



# Purchasing & Contracting Department

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Charlie Pierce  
Borough Mayor

## **ADDENDUM NO. 2**

**This addendum consists of 13 pages**

**TO:** All Bid Packet Holders

**FROM:** Kenai Peninsula Borough – Purchasing & Contracting

**DATE:** October 17, 2019

**SUBJECT:** Invitation to Bid – ITB20-011 Nikiski Fire Station No. 3

**DUE DATE:** November 6, 2019 by no later than 2:00 PM

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**Bidders must acknowledge receipt of this Addendum in the appropriate place on the Bid Form. Failure to do so may result in the disqualification or rejection of the bid.**

As specified in Section 9 of the Kenai Peninsula Borough's invitation to bid, we have agreed to answer written questions received through October 23, 2019. Attached are formal responses to all the questions that we have received to date.

We look forward to receiving your bid by no later than 2:00 PM on November 6, 2019.

Note: Information in this addendum takes precedence over original information. All other provisions of the document remain unchanged.

<b><u>ITEM NO.</u></b>	<b><u>REFERENCE</u></b>	<b><u>DESCRIPTION</u></b>
02-01	Plan Holder Question	Q: Is there an anticipated date for the Notice to proceed? <b>A: <i>Please refer to Instructions to bidders and Timeline and procedures. Also refer to G.C for association with the contract process.</i></b>
02-02	Plan Holder Question	Q: Do you have an engineer's estimate for the project?

**A: An Engineers estimate will be provided after the bid opening.**

- |       |                      |  |
|-------|----------------------|--|
| 02-03 | Plan Holder Question | <p>Q: Please provide a specification section for "Ceiling Type C5 - Tectum Ceiling Panels"</p> <p><b>A: Please see the attached revised specification 09 51 10 adding part 2.02 C Tectum Panels.</b></p>   |
| 02-04 | Plan Holder Question | <p>Q: Finish Schedule sheet A2.1 indicates rooms 112 &amp; 113 are to receive C-5 Tectum ceiling panels. Sheet A7.1 indicates rooms 112-113 are to be exposed. Please clarify the RCP finish at Rooms # 112 &amp; 113?</p> <p><b>A: Please see the revised sheet A2.1, Finish schedule Rooms 112 and 113 shall receive finish C-4. Ceilings are to be exposed to structure with painted finish.</b></p>  |
| 02-05 | Plan Holder Question | <p>Q: Second Floor RCP Sheet A7.2 appears to indicate Tectum ceiling panels at Room #211. The Finish Schedule Sheet A2.1 indicates room #211 is to have the C-4 ceiling finish. Please clarify the Tectum Ceiling Panels are at room #211?</p> <p><b>A: Please see the revised sheet A2.1, Finish schedule Room 211 shall receive finish C-5. Ceilings are to be painted per C-4 and receive Tectum Ceiling Panels as shown on sheet A7.2.</b></p>   |
| 02-06 | Plan Holder Question | <p>Q: There is a discrepancy between specification sections (09 51 10 2.02.B), (09 51 10 2.02.C), the Finish Schedule on Sheet A2.1, and the RCP Sheets A7.1 &amp; A7.2.</p> <ul style="list-style-type: none"><li>a. Specification section (09 51 10 2.02.B) lists ACT-1 as Cirrus #581 - 2x2 tile, but the RCP hatching on Sheets A7.1 &amp; A7.2 show ACT-1 as a 2x4 tile.</li><li>b. Specification section (09 51 10 2.02.C) lists ACT-2 as Fine Fissured #1729 – 2x4 tile, but the RCP hatching on Sheets A7.1 &amp; A7.2 show ACT-2 as a 2x2 tile.</li></ul> |

		<p>c. The ceiling type "C-3" that is listed for various rooms on the Finish Schedule Sheet A2.1, do not match the hatching callouts on RCP Sheets A7.1 &amp; A7.2.</p> <p>d. Please clarify the ceiling types and corresponding ACT types with respect to the Finish Schedule Sheet A2.1, RCP Sheets A7.1 &amp; A7.2, and the specification sections (09 51 10 2.02 B) &amp; (09 51 10 2.02 C)</p> <p><b>A: Please see the revised sheets A2.1, A7.1 and A7.2 showing the correct ceiling types corresponding with the Reflected Ceiling Plan and Specifications.</b></p>
02-07	Plan Holder Question	<p>Q: Please revise Finish Schedule Ceiling types to Include the Type C-2 ceiling types 2x2 Cirrus#581.</p> <p><b>A: Please see the revised sheet A2.1 showing the correct ceiling types corresponding with the Reflected Ceiling Plan and Specifications.</b></p>
02-08	Plan Holder Question	<p>Q: Request for substitution for CertainTeed Northgate SBS shingles.</p> <p><b>A: Please provide a formal substitution request form on as provided in specification section 01 63 00 Product Options and Substitutions.</b></p>
02-09	Pre-Bid Question	<p>Q: Can the start date be delayed outside the 300 Days from NTP since there is limited construction time this year?</p> <p><b>A: Please see Instructions to Bidder revised Substantial Completion Days.</b></p>
02-10	Pre-Bid Question	<p>Q: Are there liquidated damages in the contract?</p> <p><b>A: See Part II Article 10</b></p>
02-11	Pre-Bid Question	<p>Q: Is the Lot unimproved?</p> <p><b>A: The lot previously had a mobile home on site. See Survey document AS1.</b></p>
02-12	Pre-Bid Question	<p>Q: Can we dig test holes prior to bidding?</p>

		<b>A: 5 Test holes have been dug with associated data in documents. See AS1 and C6.7.</b>
02-13	Pre-Bid Question	Q: Is there test hole data already available? <b>A: See 02-13.</b>
02-14	Pre-Bid Question	Q: Are there any DBE requirements? <b>A: No there are no DBE requirements.</b>
02-15	Pre-Bid Question	Q: There are no Generator specs in the documentation. <b>A: <i>The generator will be Owner provided and contractor installed.</i></b>
02-16	Pre-Bid Question	Q: Are there any other contractors providing a service on this project? <b>A: <i>A G2 Alerting System will be installed by a local contractor in coordination with the KPB &amp; the contractor awarded this project.</i></b>
02-17	Pre-Bid Question	Q: Is the Pump house design final? <b>A: <i>Additional information will be provided in the next addendum.</i></b>
02-18	Pre-Bid Question	Q: Can we burn materials on the site? <b>A: <i>No – See 31 10 00</i></b>
02-19	Pre-Bid Question	Q: Is the water table depth known? <b>A: <i>Water table depth is unknown. Expected well drill depth is 100-ft to 150-ft per Spec Section 332100 Water Supply Wells.</i></b>
02-20	Pre-Bid Question	Q: Are any wells required? <b>A: <i>There are 2 wells required for this project, see 33 121 00, 1.03.</i></b>
02-21	Pre-Bid Question	Q: Are there any regulations regarding migratory birds? <b>A: <i>Please refer to G.C. for compliance with all Authorities Having Jurisdiction.</i></b>

- 02-22      Plan Holder Question      Q: Why doesn't this bid site not publish the bidders list? What federal money is involved & how much? Is there a DBE requirement in this contract?  
A: ***See 02-15 regarding the DBE question. The Plan Holders list is now available on Bid Express.***
- 02-23      Plan Holder Question      Q: Landscaping?  
A: ***See Division - 31 Earthwork.***

SECTION 09 51 10

ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 DESCRIPTION

A. Work Included:

1. Suspended metal grid system complete with all trim.
2. Lay-in ceiling panels.

B. Related Work Specified Elsewhere:

- |    |                |                           |
|----|----------------|---------------------------|
| 1. | Section 062000 | Finish Carpentry          |
| 2. | Section 092500 | Gypsum Wallboard          |
| 3. | Section 109250 | Miscellaneous Specialties |

C. Reference Standards:

1. American Society for Testing and Materials (ASTM):
  - a. C635-83 Metal Suspension System for Acoustical Tile and Lay-In Panel Ceilings.
  - b. C636-76 (1981) Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels.
  - c. D1761-77 Mechanical Fasteners in Wood.
  - d. E84-84 Surface Burning Characteristics of Building Materials.
2. Uniform Building Code (UBC) : UBC Standard 47-18, including Part III - Lateral Design Requirements.

1.02 QUALITY ASSURANCE

- A. Provide acoustical panels and suspension materials bearing UL Classification marking.

1.03 SUBMITTALS

- A. Clearly indicated grid layouts and related dimensioning, junctions with other work or ceiling finishes, inter-relation of mechanical and electrical items related to system.

1. Show insert and hanger spacing and fastening details, splicing method for main and cross runners, acoustical unit support at lighting fixtures, and installation details.
2. Include detailed locations of lighting fixtures, sprinkler heads, detectors, ceiling diffusers, air return grilles and air volume control dampers.

- B. Submit manufacturer's information, installation instructions and product data under provisions of Section 013400.

- C. Furnish suspension system manufacturer's lateral loading capacity and displacement or elongation characteristics for proposed systems indicating:

1. Bracing pattern and wire sizes.
2. Tension and compression force capabilities of main runner splices, cross runner or connections and expansion devices.

#### 1.04 ENVIRONMENTAL REQUIREMENTS

- A. Do not install acoustical ceiling until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead mechanical work is completed, tested, and approved.
- B. Permit wet work to dry prior to commencement of installation.
- C. Maintain uniform temperatures of minimum 61 degrees F and humidity of 20 percent to 40 percent prior to, during, and after installation.

#### 1.05 EXTRA STOCK

- A. Furnish extra materials under provisions of Section 017500.
- B. Furnish not less than the percentage of each type acoustical ceiling material supplied as noted below. Furnish fill original, unopened, undamaged cartons only.
  - 1. Acoustical tiles: One percent, minimum.
  - 2. Acoustical panels: Two percent, minimum.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Acoustical Panels and Tiles: Armstrong World Industries, Inc.
- B. Suspension System: Armstrong World Industries, Inc.

#### 2.02 ACOUSTICAL CEILING UNITS

- A. Acoustical Panels Basis of Design:
- B. Acoustical Ceiling System **ACT – 1** : Armstrong / Cirrus #581
  - 1. Thickness: 7/8"
  - 2. Color: White
  - 3. Size: 24in X 24in
  - 4. Edge Profile: Tegular for interface with compatible Armstrong grid. The suspension system must be leveled to within 1/4" in 10 feet and must be square to within 1/16" in 2 feet.
  - 5. Noise Reduction Coefficient (NRC): ASTM C 423; Classified with UL label on product carton, 0.90.
  - 6. Articulation Class (AC): ASTM E 1111; Classified with UL label on product carton 190.
  - 7. Flame Spread: ASTM E 1264; Class A (UL)
  - 8. Light Reflectance (LR): ASTM E 1477; White Panel: Light Reflectance: 0.86
  - 9. Dimensional Stability: HumiGuard Plus - temperatures up to 120 degrees F and high humidity excluding only exterior use, use over standing water, and direct contact with moisture .
  - 10. Mold/Mildew Inhibitor: The front and back of the product have been treated with BioBlock, a paint that contains a special biocide that inhibits or retards the growth of mold or mildew, ASTM D 3273.
  - 11. Acceptable Product: Optima Vector, 3908, as manufactured by Armstrong World Industries.

- C. Tectum Panels: Armstrong - Tectum® Direct-Attached Ceiling Panels
1. Surface Texture: Coarse
  2. Composition: Aspen wood fibers bonded with inorganic hydraulic cement
  3. Color: White
  4. Size: 34" x 96"
  5. Thickness: Standard 1"
  6. Edge Profile: long edge beveled, short edge square
  7. Noise Reduction Coefficient (NRC): ASTM C 423 ; Mounting; D-20 (0.85)
  8. Flame Spread: ASTM E 1264; Class A
  9. Light Reflectance (LR) White Panel: ASTM E 1477;
  10. Dimensional Stability: HumiGuard Plus
  11. Sustainable: EPD (Environmental Product Declaration) and HPD (Health Product Declaration)
  12. Acceptable Product: Tectum® Direct-Attached as manufactured by Armstrong World Industries
  13. Install Tectum® Direct-Attached Ceiling Panels in accordance manufacturer's installation instructions. Provide 7/8" hat channels at 24" on center for direct-attached ceiling panels as outlined in Mounting D-20 of the installation manual.

## PART 3 EXECUTION

### 3.01 INSPECTION

- A. Verify that existing conditions are ready to receive work.
- B. Beginning of installation means installer accepts condition of existing substrates.

### 3.02 INSTALLATION - SUSPENDED GRID AND LAY-IN PANELS

- A. Install acoustical ceiling systems in accordance with UBC Standard 47-18, including Lateral Design Requirements, and ASTM C 636 to produce finished ceiling true to lines and levels, and free from warped, soiled, or damaged grid and lay-in panels.
- B. Install fire rated ceiling systems in accordance with UL requirements, including light fixture protection.
- C. Install ceiling systems in manner capable of supporting all superimposed loads, with maximum deflection of 1/360 of span, and maximum surface deviation of 1/8 in. in 12 ft.
- D. Install after major above-ceiling work is complete. Coordinate location of hangers with other work. Ensure layer of hangers and carrying channel locations accommodate fittings and units of equipment to be placed after installation of ceiling grid system.
- E. Support main runners from hangers attached directly to structure.
  1. When obstructions preclude direct attachment to structure use trapeze suspension for spans exceeding 48 in. Form trapeze from two carrying channels back to back.
  2. Provide lateral force bracing in conformance with UBC Standard 47-18, Part III.
  3. Anchor hangers with .216 in. diameter shaft screw-eyes attached to bottom chord of wood joists; minimum 2 in. penetration of screw shaft into underside of wood chord



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where acceptable to Owner's Representative, unless otherwise required for assembly rating.

4. Do not screw into plywood roof deck.
- F. Hang independently of walls, columns, ducts, pipes, and conduit. Where carrying members are spliced avoid visible displacement of longitudinal axis or face plane of adjacent member.
- G. Center ceiling systems on room axis leaving equal border pieces, unless indicated otherwise.
- H. Do not support fixtures from or on main runners or cross runners if weight of fixture exceeds 56 lbs. or causes total dead load to exceed deflection capability, whichever weight is less.
  1. Space hanger wire 48 in. o.c. maximum.
  2. Install additional hangers at terminal ends of each suspension member, 8 in. from vertical surfaces.
  3. Support fluorescent lighting fixture safety chains independent of grid and grid suspension system.
  4. Do not splay wires more than 5 in. in 4 ft. vertical drop without countersplaying.
- I. Install edge moldings at intersection of ceiling and vertical surface, using maximum lengths, straight, true to line and level. Miter corners. Provide edge moldings at junctions with other ceiling finishes.
- J. Fit acoustical ceiling materials in place, free from damaged edges and other defects detrimental to appearance and function. Fit border units neatly against abutting surfaces.
- K. Install acoustical ceiling materials level, in uniform plane and free from twist, warp and dents.

### 3.03 ADJUSTMENTS

- A. Adjust any sags and twists which develop in ceiling system and replace any part damaged or faulty.

END OF SECTION

### OPENING SCHEDULE

OPNG. NO.	DOOR SIZE	RATING	FRAME TYPE	FRAME MAT'L	DOOR TYPE	DOOR MAT'L	DOOR GLASS MAT'L	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	HWDR GROUP	NOTE
100	3'-0"x7'-0"	0	F1	FM2	D3	DM3	GL1	1/A6.1	8/A6.2	9/A6.1	1	
101A	3'-0"x7'-0"	0	F1	FM2	D3	DM3	GL3	1/A6.2	3/A6.2	---	2	
101B	3'-0"x7'-0"	0	F1	FM2	D3	DM3	GL3	1/A6.2	3/A6.2	---	2	
102	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	3	
103	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	4	
104A	3'-8"x7'-0"	120	F2	FM1	D2	DM2	GL5	2/A6.3	6/A6.3	---	6	
104B	3'-0"x7'-0"	60	F2	FM1	D2	DM1	GL5	2/A6.1	6/A6.1	---	7	
104C	3'-8"x7'-0"	0	F2	FM1	D2	DM2	GL1	2/A6.1	6/A6.1	10/A6.1	8	
105	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	5	
107A	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	4	
107B	3'-6"x7'-0"	120	F2	FM1	D2	DM2	GL5	2/A6.3	6/A6.3	---	6	
108	3'-0"x7'-0"	0	F3	FM1	D1	DM2	---	10/A6.3	11/A6.3	---	4	
109	3'-0"x7'-0"	120	F2	FM1	D2	DM2	GL5	3/A6.3	7/A6.3	---	6	
110	3'-0"x7'-0"	0	F3	FM1	D2	DM1	GL3	10/A6.3	11/A6.3	---	9	
111A	3'-8"x7'-0"	0	F2	FM1	D2	DM2	GL1	2/A6.1	6/A6.1	10/A6.1	8	
111B	3'-8"x7'-0"	0	F2	FM1	D2	DM2	GL1	2/A6.1	6/A6.1	10/A6.1	8	
111C	13'-4"x14'-0"	0	---	---	D4	DM4	---	3/A6.1	7/A6.1	11/A6.1	---	
111D	13'-4"x14'-0"	0	---	---	D4	DM4	---	3/A6.1	7/A6.1	11/A6.1	---	
111E	3'-8"x7'-0"	0	F2	FM1	D2	DM2	GL1	2/A6.1	6/A6.1	10/A6.1	8	
111F	13'-4"x14'-0"	0	---	---	D4	DM4	---	3/A6.1	7/A6.1	11/A6.1	---	
111G	13'-4"x14'-0"	0	---	---	D4	DM4	---	3/A6.1	7/A6.1	11/A6.1	---	
111H	13'-4"x14'-0"	0	---	---	D4	DM4	---	3/A6.1	7/A6.1	11/A6.1	---	
112	3'-8"x7'-0"	0	F2	FM1	D1	DM2	---	2/A6.1	6/A6.1	10/A6.1	8	
113	3'-8"x7'-0"	0	F2	FM1	D1	DM2	---	2/A6.1	6/A6.1	10/A6.1	8	
116	3'-0"x7'-0"	0	F3	FM1	D1	DM2	---	10/A6.3	11/A6.3	---	4	
201	3'-8"x7'-0"	60	F4	FM1	D5	DM1	GL5	10/A6.3	11/A6.3	---	7	
203	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	4	
204	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	4	
205	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	10	
206	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	10	
207	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	10	
209	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	3	
210	3'-0"x7'-0"	0	F3	FM1	D1	DM1	---	10/A6.3	11/A6.3	---	3	
211	3'-0"x7'-0"	0	F3	FM1	D5	DM2	GL3	10/A6.3	11/A6.3	---	9	

- RATING**
- 0 NO RATING
  - 60 1 HOUR RATING
  - 120 2 HOUR RATING
- FRAME MAT'L**
- FM1 HOLLOW METAL
  - FM2 ALUMINUM STOREFRONT
- DOOR MAT'L**
- DM1 1 1/2" SOLID CORE WOOD
  - DM2 1 1/2" INSULATED HOLLOW METAL
  - DM3 ALUMINUM STOREFRONT
  - DM4 INSULATED OVERHEAD DOOR
- GLASS**
- GL1 1" TEMP. INSULATED CLEAR
  - GL2 1" INSULATED CLEAR
  - GL3 1/4" TEMP. CLEAR
  - GL4 1/4" CLEAR
  - GL5 1/4" FIRE RTD TEMP CLR
- NOTES**

### ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOORING	BASE	WALLS				CEILING	CEILING HEIGHT	ROOM FINISH NOTE
				NORTH	EAST	SOUTH	WEST			
100	ARCTIC ENTRY	F4	B2	W5	W5	W5	W5	C2	8'-0"	
101	LOBBY	F4	B2	W1.1	W1.1	W1.1	W1.1	C2	8'-0"	
102	UNISEX	F1.1	B1	WT1	WT1	WT1	W3	C1	8'-0"	
103	JANITOR	F4	B2	W1.1	W1.1	W1.1	W1.1	C1	8'-0"	
104	COMMONS	F3.1	B2	W1.1/W3	W3	W5	W1.1/W5	C2	8'-4"	
105	SERVER	F4	B2	W1.1	W1.1	W5	W3	C1	9'-2"	1
106	HALLWAY	F3.1	B2	W1.1	W1.1	W1.1	W3	C2	8'-4"	
107	PATIENT CARE	F3.2	B3	W3	W1.1	W1.1	W3	C1	8'-0"	
108	EMS STORAGE	F3.2	B3	W3	W1.1	W1.1	W1.1	C1	8'-0"	
109	DECON	F4	B4	W4	W1.2	W1.2	W1.2	C1	8'-0"	
110	TRAINING ROOM	F2.1	B2	W1.1	W5	W5	W1.1	C2	8'-4"	
111	APPARATUS AREA	F4	B2	W3	W3	W3	W3/W1.1	C4	VARIES	3
112	MECHANICAL	F4	B2	W3	W3	W1.1/W3	W1.1	C4	9'-6"	
113	ELECTRICAL	F4	B2	W5	W1.1	W1.1	W1.1	C4	9'-6"	
114	HOSE STORAGE/EQUIP.	F4	B2	W1.1	W1.1	W1.1	W1.1	C1	8'-6"	
115	WORKSHOP	F4	B2	W1.1	W1.1	W1.1	W1.1	C1	8'-6"	
116	STATION STORAGE	F4	B2	W5	W1.1	W1.1	W1.1	C1	8'-6"	
200	STAIR #1	F4/F1.2	B2	W5	W5	W5	W5	C2	8'-2"	2
201	LIVING ROOM	F2.2	B2	---	W1.1	W5	W5	C2	8'-4"	
202	KITCHEN	F3.2	B2	W3/W1.1	W1.1	---	W5	C2	8'-4"	
203	LAUNDRY ROOM	F3.2	B2	W5	W1.1	W1.1	W1.1	C1	8'-0"	
204	JANITOR	F3.2	B2	W5	W1.1	W1.1	W1.1	C1	8'-0"	
205	BEDROOM #1	F2.2	B2	W5	W5	W1.1	W3	C2	8'-0"	
206	BEDROOM #2	F2.2	B2	W1.1	W5	W1.1	W1.1	C2	8'-0"	
207	BEDROOM #3	F2.2	B2	W1.1	W5	W5	W1.1	C2	8'-0"	
208	HALLWAY	F3.2	B2	W1.1	W1.1	W1.1	W1.1	C2	8'-4"	
209	WOMENS BATHROOM	F1.1	B1	WT1	WT1	W3	WT1	C1	8'-0"	
210	MENS BATHROOM	F1.1	B1	WT1	WT1	WT1	WT1	C1	8'-0"	
211	EXERCISE ROOM	F4	B2	W5	W5	W1.1	W1.1	C4/C5	VARIES	

- FLOORING**
- F1.1 TILE 1
  - F1.2 TILE 2
  - F2.1 CARPET 1
  - F2.2 CARPET 2
  - F3.1 RESILIENT 1
  - F3.2 RESILIENT 2
  - F4 SEALED CONCRETE
- BASE**
- B1 TILE
  - B2 4" RUBBER BASE
  - B3 COVED BASE
  - B4 6" S.S. BASE
- WALLS**
- W1.1 G.W.B. - IPS 10 PAINT
  - W1.2 G.W.B. - IPS 20 PAINT
  - WT1 WALL TILE
  - WT2 WALL TILE
  - W3 CMFU/CMU - IPS 30 PAINT
  - W4 CMFU/CMU - IPS 40 PAINT
  - W5 CMFU/CMU - EXPOSED
- CEILING**
- C1 G.W.B. - IPS 10 PAINT
  - C2 ACOUSTICAL CEILING TILE 1
  - C4 STEEL JOISTS & DECK - IPS 50
  - C5 PAINTED TECTUM PANELS AT BOTTOM OF DECK / C4
- INTERIOR PAINT SYSTEMS**
- IPS 10 GENERAL - GWB
  - IPS 20 EPOXY - GWB
  - IPS 30 GENERAL - CMFU/CMU
  - IPS 40 EPOXY - CMFU/CMU
  - IPS 50 GENERAL - STEEL

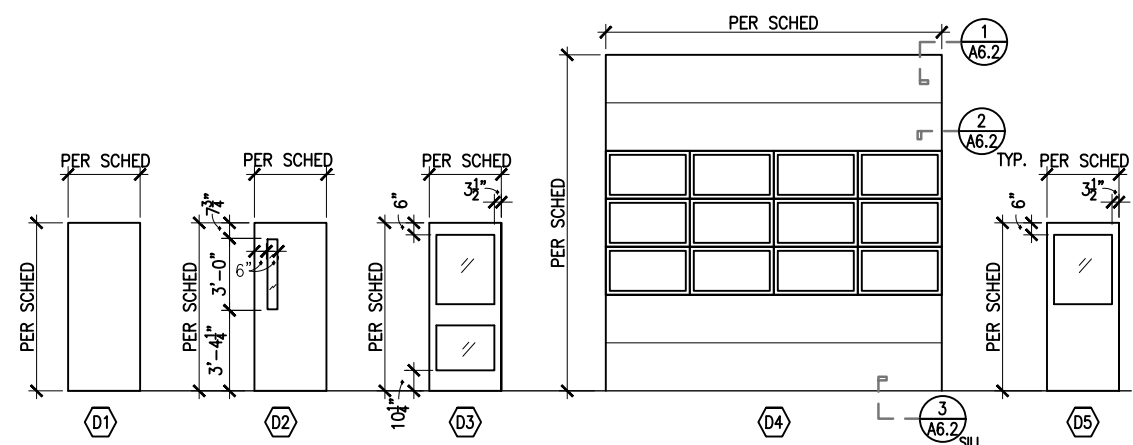
- NOTES**
1. FINISH AND PAINT GWB AT BOTTOM OF STRUCTURE.
  2. PROVIDE FLOOR TILE 2 AT LANDINGS.
  3. PROVIDE WALL TILE WT2 AT APPARATUS AREA WASH ALCOVE.

### DOOR NOTES

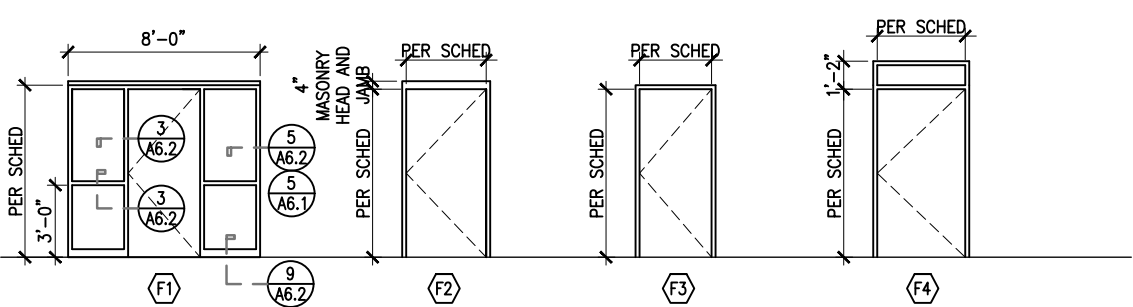
1. COORDINATE KEYING OF LOCKS WITH BUILDING OWNER. PROVIDE TWO KEYS PER LOCK. FABRICATE FRAMES TO ALLOW CLEARANCES AND SHIM SPACE AROUND PERIMETER.
2. ACCURATELY FIT CORNERS AND HAIRLINE JOINTS. ALIGN FACES AND SECURE FRAMES RIGIDLY IN PLACE. PROVIDE INTERNAL REINFORCING FOR DOOR HARDWARE. INSURE FRAMES ARE PLUMB, LEVEL AND FREE OF WARPS AND TWISTS.
3. DOOR FRAMES SHALL BE LOCATED 4" FROM ADJACENT WALL TO BACK SIDE OF FRAME, UNLESS OTHERWISE NOTED.
4. DOOR/OPENING DIMENSIONS INDICATED ARE NOMINAL. DIMENSIONS FOR FLOOR FINISH AND UNDERCUT HAVE NOT BEEN TAKEN INTO ACCOUNT. CONTRACTOR SHALL MODIFY DIMENSIONS AS REQUIRED FOR DIMENSIONAL VARIATIONS DUE TO SITE CONDITIONS AND CONSTRUCTION TOLERANCES.
5. UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHES BY 1/2" (UNLESS OTHERWISE NOTED).

### FINISH NOTES

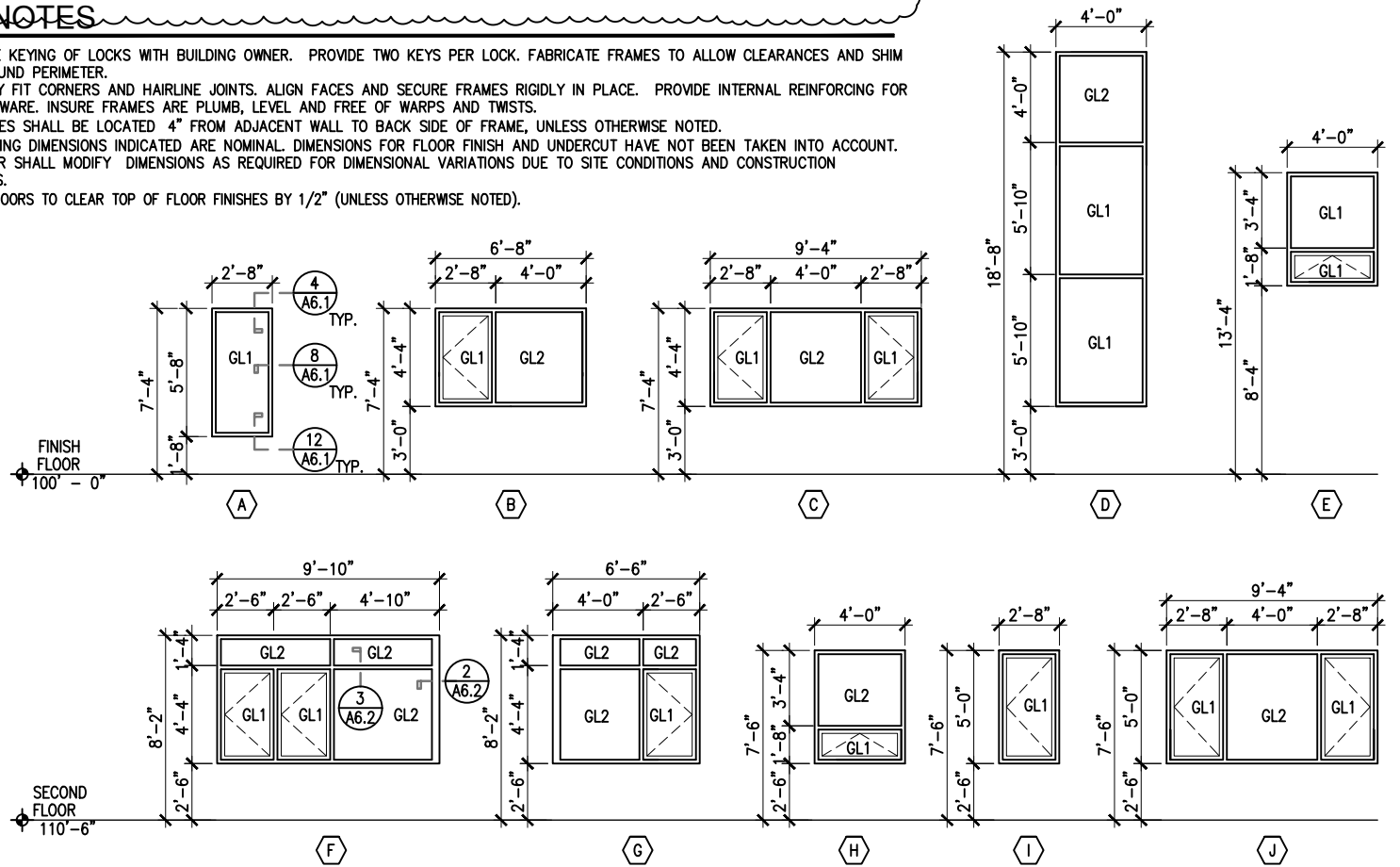
1. THE CONTRACTOR SHALL PROPERLY PREPARE THE SURFACES PER FINISH MANUFACTURER'S SPECIFICATIONS PRIOR TO APPLICATION OF FINISH. ALL FINISHES AND ADJOINING SURFACES SHALL REMAIN FREE OF GLUE, PLASTER AND PAINT EXCESS.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BETWEEN TRADES TO INSURE PROPER INSTALLATION OF FINISH FOR COLORS AND QUALITIES.
3. PREPARE FLOOR AREAS AS REQUIRED TO RECEIVE FLOOR FINISHES, INCLUDING FLASH PATCHING REQUIRED TO LEVEL TO 1/4" IN 20' AND SMOOTH FLOOR.
4. DOOR FRAMES SHALL BE PAINTED AND DOORS SHALL BE STAINED UNLESS NOTED OTHERWISE.
5. ANY CHANGE IN FLOOR FINISH SHALL OCCUR AT CENTERLINE OF DOOR OR CASED OPENING UNLESS OTHERWISE NOTED. RAMP AS REQUIRED TO SET TOP OF CARPET 1/8" ABOVE ADJACENT FINISH (IF POSSIBLE).
6. NO SEAMS IN CARPET SHALL OCCUR PERPENDICULAR TO DOORS OR ENTRIES. SEAMS OCCURRING PARALLEL TO DOORS SHALL BE CENTERED DIRECTLY UNDER DOOR IN CLOSED POSITION. ALL TRANSITIONS BETWEEN CARPET AND CONCRETE SHALL OCCUR WITH A VINYL REDUCER TRANSITION STRIP.
7. PAINT AND FINISH EXPOSED SURFACES UNLESS OTHERWISE NOTED. PAINT SURFACES BEHIND REMOVABLE EQUIPMENT OR FURNITURE. PAINT BEHIND NON-REMOVABLE ITEMS WITH PRIME COAT ONLY.
8. CONFIRM THAT MATERIALS USED FOR INTERIOR WALL AND CEILING FINISHES MEET OR EXCEED THE FOLLOWING FLAME SPREAD RATINGS:
  - A. ENCLOSED VERTICAL EXIT WAYS - CLASS 1 OR A,0-25.
  - B. OTHER EXIT WAYS - CLASS 11 OR B,26-75
  - C. ROOMS AND OTHER AREAS - CLASS 111 OR C,76-200.



DOOR TYPES



DOOR FRAME TYPES



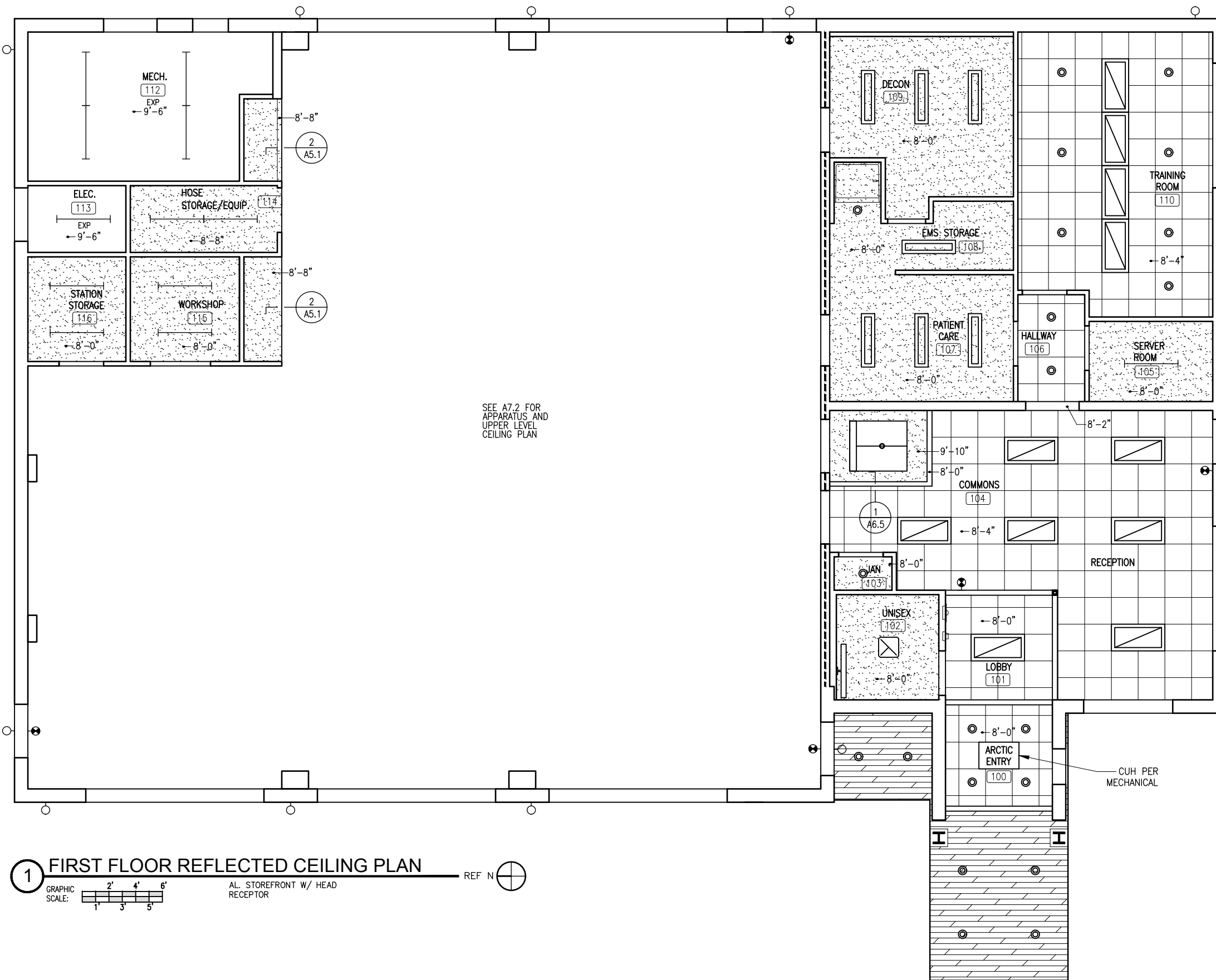
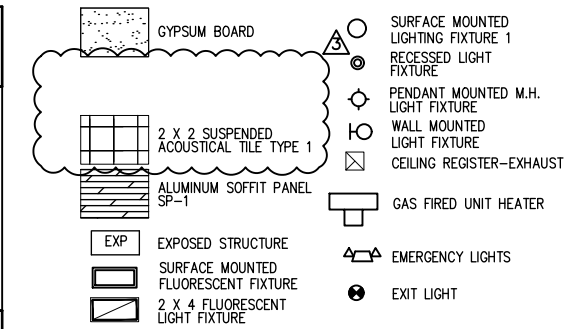
EXTERIOR WINDOW TYPES

**Revisions:**

- REV. 9.26.19
- ADD. 2 10.16.19

Date: FEB. 7, 2019  
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 File Name: 1168.DWG  
**Sheet Title:**  
 SCHEDULES  
**Sheet:**  
 A2.1  
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**CEILING PLAN LEGEND**



**CEILING PLAN NOTES**

- 1 CEILING HEIGHT SHALL BE AS NOTED ON PLANS OR ROOM FINISH SCHEDULE.
- 2 SURVEY FIELD CONDITIONS AND VERIFY WORK IS BUILDABLE AS SHOWN OR IF ANY DISCREPANCIES ARE PRESENT. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS OF THESE SYSTEMS (DUCT SIZING, CIRCUITING, ETC.). LOCATION OF SWITCHES SHALL BE AS SHOWN ON LIGHTING PLAN. WHERE DISCREPANCIES OCCUR THE ARCHITECTURAL DRAWINGS SHALL GOVERN.
- 3 SEE FINISHES NOTES OR SPECIFICATIONS FOR ACOUSTICAL TILE CEILING AND GYPSUM BOARD PAINT DESCRIPTION.
- 4 INSTALL CEILING TILE HOLD DOWN CLIPS ALONG PARTITIONS AND FOR CEILING TILES LESS THAN FULL SIZE.
- 5 UNLESS OTHERWISE NOTED, SCHEDULED DOWNLIGHTS, WALL WASHERS, SMOKE DETECTORS AND EXIT SIGNS SHALL BE CENTERED IN THE CEILING TILE. LIGHT FIXTURES AND HVAC GRILLES SHALL BE LOCATED IN ALIGNMENT WITH THE CEILING GRID, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS WITH THE SUSPENDED GRID SYSTEM, AND OBTAIN WRITTEN CLARIFICATION PRIOR TO FIXTURE INSTALLATION.
- 6 CEILING TILE GRID HANGERS ARE NOT DESIGNED TO SUPPORT THE WEIGHT OF ADDITIONAL EQUIPMENT OR MATERIALS, CABLES, CONDUIT, MECHANICAL FIXTURES, ETC. SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE.
- 7 THE FINISHED CEILING SHALL BE TRUE AND LEVEL AND FREE FROM DAMAGED, WARPED OR SOILED TILES. INSTALL CEILING IN UNIFORM PLANE FREE FROM TWISTS OR WARPS.
- 8 INSTALL EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACE. USE MAXIMUM LENGTHS, STRAIGHT, TRUE AND LEVEL. MITER CORNERS AND PROVIDE MOLDING AT OTHER JUNCTIONS WITH CEILING FINISHES.
- 9 LAY DIRECTIONAL PATTERN UNITS ONE WAY WITH PATTERN AS DIRECTED BY ARCHITECT.
- 10 SUBMIT SHOP DRAWINGS SHOWING LOCATIONS, CRITICAL DIMENSIONS, OTHER CEILING FIXTURES AND GRID FOR REVIEW AND APPROVAL BY ARCHITECT PRIOR TO COMMENCING WORK.
- 11 DROPPED CEILINGS SHALL BE FRAMED WITH LIGHT GAUGE FRAMING TO SUPPORT GWB AND LIGHTING.
- 12 REFER TO ACOUSTICAL CEILING INSTALLATION REQUIREMENTS TO SIZE VERTICAL STRUTS FOR UNBRACED HEIGHT. ATTACH STEEL SECTION COMPRESSION STRUT WITH 1/R RATIO OF 200 MAX. ATTACH TO MAIN RUNNERS WITHIN 2" OF CROSS RUNNER WITH 2-#12 SELF-DRILLING SELF TAPPING (SDST) SCREWS AND TO STRUCTURE WITH 3/16" Øx2" ANCHORS AT CONCRETE/STEEL UNLESS OTHERWISE NOTED. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE.

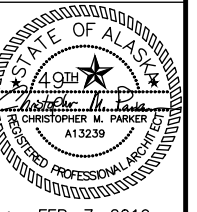
**1 FIRST FLOOR REFLECTED CEILING PLAN** REF N

GRAPHIC SCALE: 1" = 3' 5"

AL. STOREFRONT W/ HEAD RECEPTOR

**Revisions:**

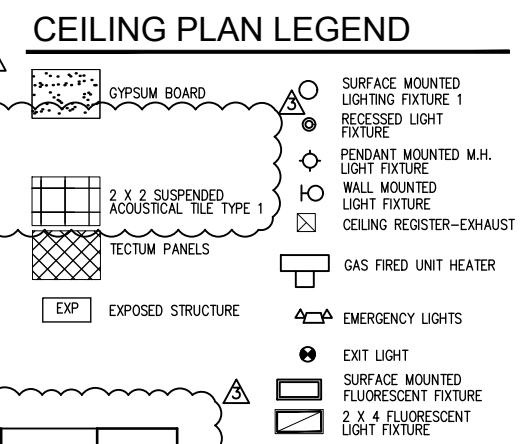
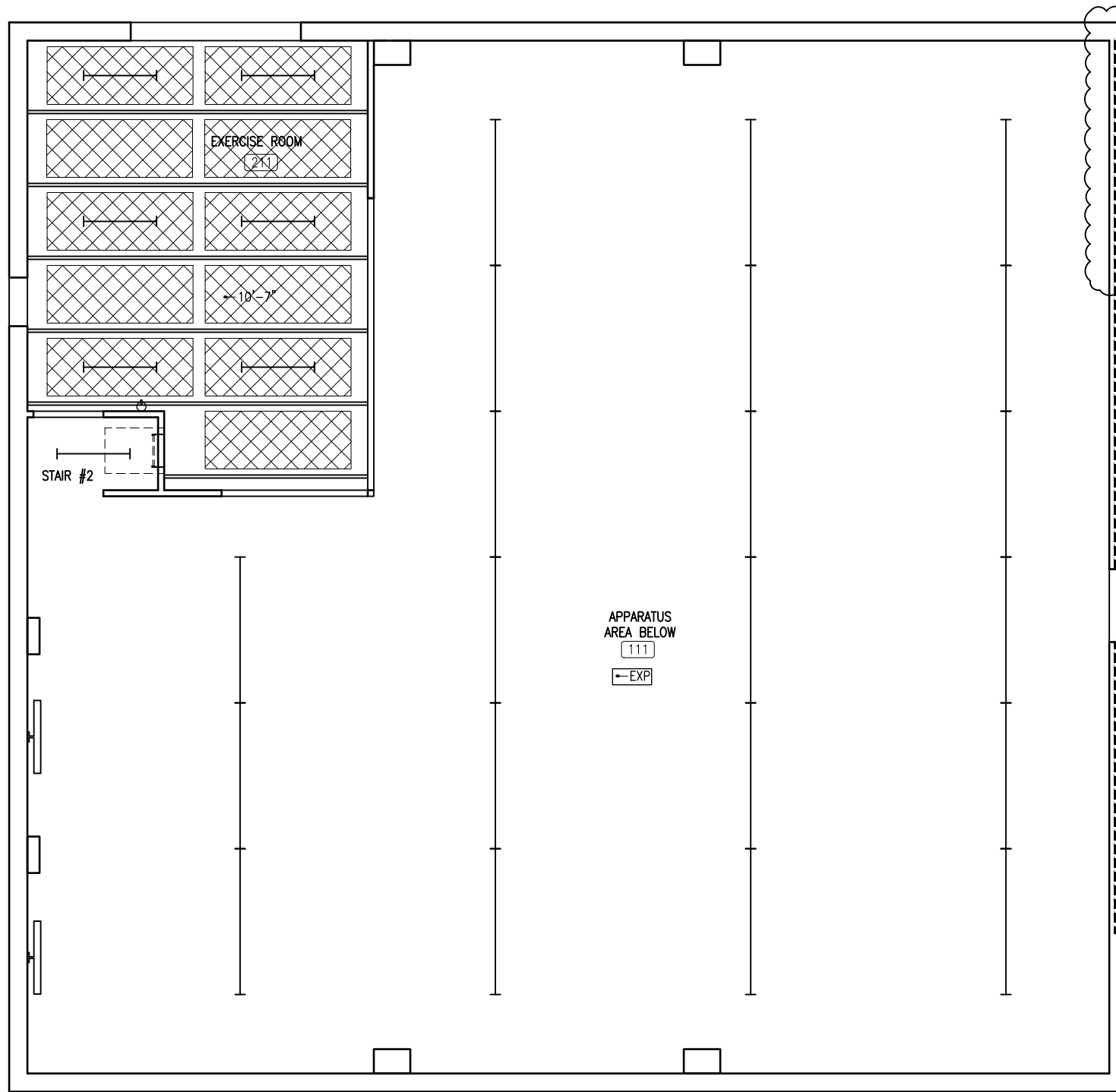
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	ADD. 2 10.16.19



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 FIRST FLOOR REFLECTED CEILING PLAN

**Sheet:**  
**A7.1**

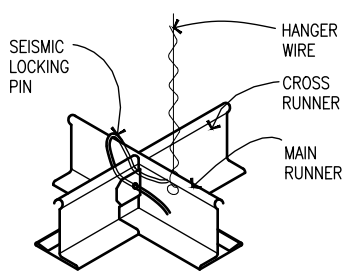


**1 SECOND FLOOR REFLECTED CEILING PLAN**

GRAPHIC SCALE: 1" = 2' 4' 6'

AL. STOREFRONT W/ HEAD RECEPTOR

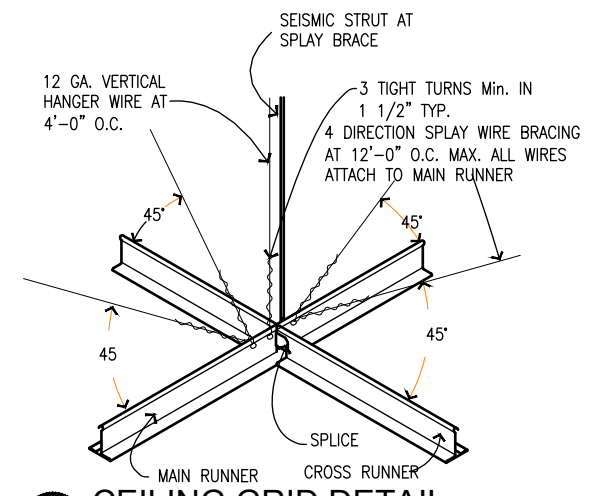
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LOCKING CLIP TO FASTEN CROSS RUNNER TO MAIN RUNNER SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE ATTACHED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES, WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR 2x DESIGN LOAD OR ULTIMATE AXIAL TENSION OR COMPRESSION (Min. 60 POUNDS)

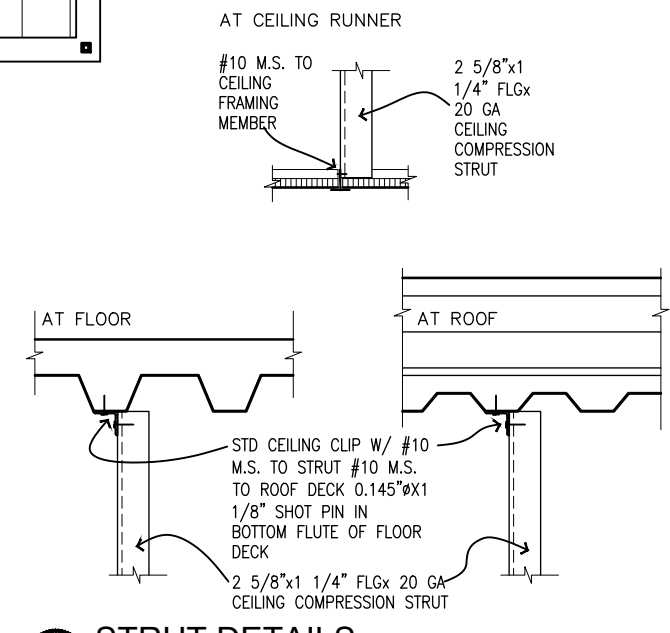
**2 CEILING GRID DETAIL**

GRAPHIC SCALE: NOT TO SCALE



**3 CEILING GRID DETAIL**

GRAPHIC SCALE: NOT TO SCALE



**4 STRUT DETAILS**

GRAPHIC SCALE: NOT TO SCALE

Revisions:	
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ADD. 2 10.16.19	

CHRISTOPHER M. PARKER  
 REGISTERED PROFESSIONAL ARCHITECT  
 A13239

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**Sheet Title:**  
 SECOND FLOOR REFLECTED CEILING PLAN

**Sheet:**  
**A7.2**

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**RFP20-011**  
**NIKISKI FIRE STATION NO. 3**  
**PRE-BID CONFERENCE**

**OCTOBER 10, 2019 – 12:30 P.M.**

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