THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Corrections
DIVISION OF ADMINISTRATIVE SERVICES
Juneau Procurement Office

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Issue Date: March 3, 2020

ATTN: Bidders

RE:	**Project Name:**	HMCC Mental Health Upgrades
	Project Number:	200003987
	Project Location:	Hiland Mountain Correctional Center
	New RFP Deadline:	**March 13, 2020 prior to 4:00 PM local time**

Addendum # One (1)

This addendum forms a part of the contract documents and modifies the original drawings and/or specifications for the subject work. In case of conflicts between this addendum and previously issued documents, this addendum shall take precedence.

The following are questions from interested parties and the department's response and RFP changes to the contract drawings and specifications:

1. The RFP deadline date and time shall be extended from March 10, 2020 to **March 13, 2020 prior to 4:00 PM local time.**

2. **A601 finish and door schedule calls out Frame type 1A as not used. The openings coinciding with frame type 1A are called out to be used on the floor plans A102, A103 and A104. Please advise if this is a new frame that is to be used?**

   RESPONSE: Delete 'NOT USED' note from door elevation 1A. Maintain Door 1A as called out in the plans and schedule. Refer to revised A601 (see attached).

3. **Is there an Electrical Drawing for Demo in the Mezzanine?**

   RESPONSE: The mezzanine is new construction. Demolition work in the area where it will be built is shown on the floor plans.

4. **Where is drawing E003 referenced in electrical drawings E401 notes 2 and 13?**

   RESPONSE: This reference should be E002.

5. **The specifications don't say anything about using or not using MC cable. To help keep cost down, Can we use MC cable where not exposed? i.e. inside of the new walls. Fixture whips if applicable.**

   RESPONSE: Use of MC cable is acceptable.

6. **Project drawings reference fire alarm specification for acceptable type of smoke detector vandal guard for the cell devices, but there are no fire alarm specifications issued with project documents. Please clarify.**

   RESPONSE: See attached specification 28 46 00 Fire Detection and Alarm.

7. **Please clarify type of fiber optic backbone to be used for video surveillance backbone between gym fan room and main video surveillance rack in House 5 Admin area. The video surveillance specification section 2.8 discussing the POE network switch for cameras specifies RJ45 SFP modules for the uplink ports, not Fiber SFP modules.**

   RESPONSE: Fiber optic backbone is existing and in use. Network switches shall be connected via RJ45 SFP for transmission over existing fiber. If modification to individual fiber connections is used instead, replacement with fiber SFP modules will be addressed at that time.

8. **Sheet A003 Partition Configuration (Type) E- CMU shows 1 layer of 5/8" fire rate plywood run horizontally. It is not shown on the ceiling assemblies. What supports this rated plywood?**

   RESPONSE: Remove the horizontal (1) layer 5/8" fire rated plywood from wall type E-CMU.

9. **Structural General Notes-S002 states that no soils report of Geotech engineering is being provided but that testing and inspections are required. Is the contractor to assume that all existing soils will be adequate to support new footings or should an allowance be carried for excavation and fill?**

   RESPONSE: Contractor shall install 24" of non-frost susceptible materials below all new concrete footings and slabs on the exterior of the building. Existing no disturbed soils below the new 24" of NFS can be assumed to be adequate unless determined otherwise.

10. **Reference sheet S101-Note 20 calls for 4" rigid insulation and appears the bounds are within the hashing extending out 4'-6" from face of footings. However details 1&2 S401 appear to show the insulation running under the footings as well as the slab on grade. Please clarify where insulation is required?**

RESPONSE: Keynote 20 on sheet S101 specifies to install the insulation "below the new footings and slab". The insulation shall extend out beyond the footprint of the new footings and slab to the extents shown on plan sheet S101.

11. **Reference sheet S101. Is the depth of existing F55 footings known? Please provide if so.**

    RESPONSE: Per the asbuilt documents, the top of the existing footing is anticipated to be 18" below top of slab. The existing footing is anticipated to be 18" thick.

12. **Elevations 1/A403 and 2/A404 call out "24x48" wall access door (high) to catwalk" Please clarify catwalk construction and dimensions?**

    RESPONSE: Remove work 'CATWALK' from note. No catwalk required.

13. **Please clarify if any or all exposed mechanical/electrical/steel/existing metal ceiling paneling is intended to receive new paint?**

    RESPONSE: Yes, all exposed mechanical/electrical/steel/existing metal ceiling paneling to receive new paint. Paint all ductwork and electrical exposed per 09 90 00, 1.2, C, 1. Sheet A105, A106, and A107, RCP LEGEND: add: 'PAINT EXPOSED METAL DECK AND STRUCTURE' to 'EXPOSED TO STRUCTURE' item on legend.

14. **Please provide gauge for 12" metal stud joists forming control platform floor?**

    RESPONSE: Provide 20 gauge 12" metal studs at control platform floor.

15. **On plan sheet A104/Detail #1, a wall type "DA" is shown at gridlines 12.3 & A.75. However, on plan sheets A301 & A403/Details #2, a wall type "BAa" is shown at gridline A.75. Please clarify which wall type should be used?**

    RESPONSE: Detail 1, A104: Revise wall type "DA" shown at grid lines 12.3 & A.75 to be wall type BAa.

16. **On plan sheet A102/Detail #1, there is a window shown at gridlines 12.9 & A that is not identified with a marking ID. Please clarify the window type at this location?**

    RESPONSE: Window type at this location is Type A.

17. **On plan sheet A201/Detail #3, there are three locations shown that will require demolition as indicated by notes #1 & 2. On plan sheet A101/Detail #2, there are only two locations identified by notes #16 & 17 that will require demolition. Please clarify the extent of demolition required at the exterior clerestory wall.**

RESPONSE:

1. *Detail 2/A101, see revised plan and added note 17 indicating location of demolished area (see attached).*
2. *Detail 3/A201, keynote '2' between grids 'G' and 'G.5' revise to keynote '1'.*

18. **On plan sheet A201, the Exterior Elevation Key Notes #1 & 2 reference detail "6/A503" for typical wall assembly construction at the note locations. Detail 6/A503 references a casework section elevation. Please provide the correct plan sheet & detail number that we are to reference for the exterior wall assemblies identified by notes #1 & 2 on plan sheet A201.**

    RESPONSE: Revise detail reference '6/A503' to '3/A504'.

19. **Plan sheet S001/Design Criteria states that the minimum footing depth below finished grade shall be 42 inches. Please confirm the depth below grade for which the existing footings at the new F55 footings were placed.**

    RESPONSE: The new F55 footings shall match the depth of the existing footings that are being retrofitted (Per the asbuilt documents, the top of the existing footing is anticipated to be 18" below top of slab. The existing footing is anticipated to be 18" thick).

20. **Plan sheet S001/Design Criteria states that the minimum footing depth below finished grade shall be 42 inches. Please confirm the depth below grade for the F33 footings.**

    RESPONSE: The new F33 footings shall have a top of footing that is 12" below the top of the existing slab.

21. **On plan sheet A201/Details #2, 3, & 4, the concrete slab thickness is shown at 6" deep. Please confirm the depth of the existing interior slab on grade.**

    RESPONSE: The '-0-6" grade' indicated on the elevations A201/Details #2, 3, & 4 is to reference the grade at the exterior of the building is lower that the interior first floor elevation of the concrete slab. This does not indicate the grade elevation at the interior below the existing slab. Existing documents indicate that the slab on grade varies from 5"-12" thick. Field verify during construction.

22. **Under the instrumentation and control for HVAC, specification section 23 09 00, it describes a room pressure monitor, SRCM, are there any rooms that require an SRCM as part of this project? I could not find anything on the drawings referring to location, if needed, of the SRCM.**

    RESPONSE: The room air pressure monitoring stations are located outside Infirmary/Detox Cell 35 and Infirmary Cell 34.

23. **Reflective Ceiling Plan A105 calls for a Type C ceiling in Day Room 30 at gird 12.3 which is single layer GWB, but detail 4/A503 shows a double layer of GWB or Type 4 ceiling. Please clarify?**

    RESPONSE: Provide ceiling type 2 as indicated on Ceiling Plan A105, (1) layer 5/8" glass mat gypsum.

24. **References are made to a catwalk above Room 30. This catwalk does not show up on the section drawings or reflective ceiling plans. Please provide information regarding this catwalk?**

    RESPONSE: Remove reference of 'CATWALK' in documents. Catwalk is not in scope.

25. **Do the Detention Ceiling Panels require field finish painting? If so what color and what finish? No mention of these panels can be found in either 099000 Painting, 09600 High-Performance Coatings, or Interior Finish Legend on Sheet A601.**

    RESPONSE: Refer to revised specification sections 099000 Painting and 099600 High-Performance Coatings. Revisions are indicated with text underlined (see attached).

26. **Plan Key Note #'s 1 & 2 on sheet A102 reference a wall patch detail 6/A503. This is not the correct detail. 6/A503 is a casework section drawing. Please provide correct patch detail?**

    RESPONSE: Revise detail reference '6/A503' to '3/A504'.

27. **Section 099000 Painting para. 3.6 Interior Paint Schedule, A. calls for one coat of SG acrylic on existing painted CMU but there is not paint system listed for new interior CMU walls. Please provide a paint system for new interior concrete masonry units?**

    RESPONSE: Refer to revised specification sections 099000 Painting and 099600 High-Performance Coatings. Revisions are indicated with text underlined (see attached).

28. **It appears that the walls between adjacent cells are either 'EA' type walls or 'GA' type walls. 'EA' and 'GA' walls have a layer of GWB on framing on one side of the wall from the top of the block to the structure above. How do we determine which side of the wall to attach the GWB?**

    RESPONSE: Face of GWB to face DAY ROOM 30 and HALL 2 or NURSE STATION 41, DAY ROOM 38 and HALL 53. Between cells in ceiling space GWB may be installed on either side.

29. **Section 099000 Painting, does not list a paint system for new interior concrete masonry block. Please provide paint system?**

RESPONSE: See revised spec section 09 90 00 painting for new interior concrete masonry block paint system (see attached).

30. **In specification section 00020-Request For Proposals of the bid documents, page 1 of 2 references two different project numbers. Project No. 170002415 is referenced at the heading and Project No. 200003987 is referenced in the "Submission of Proposals" section. Please clarify which project number we should reference for our RFP submission.**

    RESPONSE: Project No. 200003987

31. **Please clarify location and size of contractor's laydown space?**

    RESPONSE: There are two potential locations for laydown space: in the parking lot on the west end; and, the adjacent exterior space next to the area of work. Approximate size of laydown space is 2,000 - 3,000 square feet.

32. **Is it permissible for the contractor to fence off the open rec yard to keep the area secure during operations? Will it be acceptable to store materials such as CMU, metal framing, and sheathing in this area if fenced?**

    RESPONSE: Yes, the fencing barrier shall be completely secure.

33. **Please confirm drawings areas labeled as "Phase 1" are base bid and "Phase 2" is the alternate bid, with reference to the provided bid schedule for pricing.**

    RESPONSE: Base bid work includes all work shown on drawing sheets denoted with "Phase 1." Additive Alternate #1 includes all work shown on drawing sheets denoted with "Phase 2."

34. **If the "Phase 2" (Alternate Bid), is not awarded, what will the use be of the remaining area not being converted? The use of the area will dictate the fire alarm system coverage required for that area.**

    RESPONSE: The area of Phase 2 work, if additive alternate #1 is not awarded, will most likely remain a storage room.

35. **Per the sequence of operations, specification section 23 09 93, the 3 new RTUs are to have standalone programmable thermostats. Is there any interest in integrating these RTUs to the existing Siemens DDC system for possible control or monitoring?**

    RESPONSE: Yes, to incorporate the RTU to DDC is acceptable.

36. **Per the sequence of operations, specification section 23 09 93, the unit heaters are to be tied to the second stage of the RTU thermostat. Is there any interest having these unit heaters controlled and monitored by the existing Siemens DDC system?**

RESPONSE: Yes, to incorporate the unit heaters to DDC is acceptable.

37. **Per the sequence of operations, specification section 23 09 93, Exhaust Fans 1,3, & 9 are to be tied into the local lighting circuit for operation. Is there any interest in having these exhaust fans controlled and monitored by the existing Siemens DDC system?**

RESPONSE: Yes, to incorporate the exhaust fans to DDC is acceptable.

38. **Per the sequence of operations, specification section 23 09 93, Exhaust Fans 2,4,5,6,7,8, & 10 are to be continuous operation. Is there any interest in monitoring these exhaust fans by the existing Siemens DDC system?**

RESPONSE: Yes, to incorporate the exhaust fans to DDC is acceptable.

39. **Will any as-built drawings be made available prior to bid? Specifically looking for fire sprinkler system as-builts.**

RESPONSE: Yes, sprinkler as-built drawings will be made available for review at the DOC Facilities office in Anchorage.

40. **Will digital construction submittals be acceptable during project?**

RESPONSE: Yes.

41. **Will digital submission of bids be acceptable?**

RESPONSE: No.

42. **Please provide Sign in sheet from site walk.**

RESPONSE: Please see attached prebid meeting sign-in sheet.

43. Sheet E002: REVISE fire alarm control panel type in Sheet Note 3 to be a Siemens "Desigo" control panel.

44. Sheet E303, Details 1 and 2: DELETE motor starter/disconnect for RTU-1, RTU-2, and RTU-3. Unit shall be supplied with integral disconnect.

45. Sheet E403, Detail 1: ADD Sheet Note 2 at the locations for RTU-1 and RTU-2 to read "Provide connection to building fire alarm system for shut down upon activation of area smoke detection in area served by unit."

46. Specification Section 260533: ADD to 2.5(B): "Provide factory topcoat red conduit for fire alarm system."

47. Specification Section 282300:
2.6(A): REVISE camera model to be "Axis P3245-LV" or approved equal.
2.6(C): REVISE camera model to be "Hanwha TNV-7010RC". NO SUBSTITUTIONS ALLOWED.

48. Sheet A101: See attached revised sheet A101. At Grid 10 & Grid F add keynote 21 callout. Add keynote 21 to DEMOLITION SHEET NOTES: 21. DEMOLISH CMU FOR NEW OPENING. DO NOT OVERCUT CORNERS – REFER TO FLOOR PLANS AND DETAILS FOR NEW OPENING DIMENSIONS.

49. Sheet A601: Refer to revised door elevation types for DHL. There is now DHL-1 and DHL-2 indicating which DHL type door requires Pass-Through-Openings. Refer to revised door schedule for these callout delineations.

50. Note 13 on Drawing E501 add: Provide a ~~new 6~~-strand OM3 fiber optic cable backbone in conduit outside of the building from the Gym fan room to the Main Control Room, and network cabling from the Gym fan room to the new equipment. Provide rack-mounted fiber connector housing in both rooms. Assume LC connectors, with all strands terminated and tested for future use.

End of Addendum #1, Total pages with attachments is 39

Please be reminded that all addendums must be acknowledged on your bid proposal.

Sincerely,

John Schauwecker
Procurement Manager

Attachments (6)

cc: Ryan Henderson, Facilities Manager I, DOC
Dan Aicher, Facilities Manager II, DOC

SECTION 09 90 00 - PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes surface preparation and field painting of exposed exterior and interior items and surfaces.

1. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.

B. Related Sections include the following:

1. Section 09 96 00 “High-Performance Coatings” for shower room floor finish.
2. Section 13 42 63 “Steel Detention Cell Modules” for detention cell ceiling finishes.

C. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Department will select from standard colors and finishes available.

1. Painting includes field painting of exposed bare and covered pipes and ducts (including color coding), hangers, exposed steel and iron supports, and surfaces of mechanical and electrical equipment that do not have a factory-applied final finish.

D. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, labels and exterior horizontal traffic surfaces.

1. Prefinished items including, but not limited to, the following factory-finished components:

a. Architectural casework.
b. Acoustical ceiling panels.
c. Finished mechanical and electrical equipment.
d. Light fixtures.
e. Exterior concrete surfaces.

2. Concealed surfaces including, but not limited to, walls or ceilings in the following generally inaccessible spaces:

a. Furred areas.
b. Ceiling plenums.
c. Pipe spaces.

3. Finished metal surfaces including, but not limited to, the following:

    a. Anodized aluminum.
    b. Stainless steel.
    c. Chromium plate.

4. Operating parts include, but not limited to, moving parts of operating equipment and the following:

    a. Valve and damper operators.
    b. Linkages.
    c. Sensing devices.
    d. Motor and fan shafts.

5. Labels: Do not paint over UL, FMG, or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

1.3 DEFINITIONS

A. General: Standard coating terms defined in ASTM D 16 apply to this Section.

1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.
2. Eggshell refers to low-sheen finish with a gloss range between 20 and 35 when measured at a 60-degree meter.
3. Semigloss refers to medium-sheen finish with a gloss range between 35 and 70 when measured at a 60-degree meter.
4. Full gloss refers to high-sheen finish with a gloss range more than 70 when measured at a 60-degree meter.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

B. Samples for Verification: For each type of paint system and each color and gloss of topcoat.

1. Submit four Samples on 8-by-10 inch cardstock for Department’s review of color and texture only:
2. Step coats on Samples to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.
5. Submit Samples on the following substrates for Department's review of color and texture only:

    a. Stained Wood: Provide 8- by 10-inch Samples of each stained wood finish to be used on representative rough sawn cedar surfaces.

C. Product List: For each product indicated, include the following:

1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
2. VOC content.

1.5 QUALITY ASSURANCE

A. Applicator Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

B. Source Limitations: Obtain primers for each coating system from the same manufacturer as the finish coats.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label.

B. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1. Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before starting or continuing with coating operation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Paint Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Glidden Professional Paints/PPG Amercoat Industrial, Devoe Light Industrial
2. PPG Industries, Inc. (Pittsburgh Paints).
3. Rhodda Paint Co.
4. Sherwin-Williams Co. (Sherwin-Williams).

B. Stain Manufacturers' Names: Shortened versions (shown in parentheses) of the following manufacturers' names are used in other Part 2 articles:

1. PPG Industries, Inc. (Pittsburgh Paints).
2. Samuel Cabot, Inc. (Samuel Cabot).
3. Sherwin-Williams Co. (Sherwin-Williams).

C. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products listed in other Part 2 articles for the paint category indicated.

2.2 PAINT MATERIALS, GENERAL

A. Material Compatibility:

1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

C. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 150 g/L.
3. Primers, Sealers, and Undercoaters: 200 g/L.

D. Colors: As selected by Architect from manufacturer's full range.

1. Match existing wall color and door color.

2.3 CONCRETE UNIT MASONRY BLOCK FILLERS

A. Concrete Unit Masonry Block Filler: Factory-formulated high-performance latex block fillers.

1. Pittsburgh Paints; 6-15 SpeedHide Interior/Exterior Acrylic Masonry Block Filler: Applied at a dry film thickness of not less than 7.2 mils.
2. Rodda; Sprayable Smooth Block Filler 501901: Applied at a dry film thickness of not less than 5.5 mils.

3. Sherwin-Williams; PrepRite Interior/Exterior Block Filler B25W25: Applied at a dry film thickness of not less than 8.0 mils.

2.4 INTERIOR PRIMERS

A. Interior Concrete and Masonry Primer: Factory-formulated alkali-resistant acrylic-latex interior primer for interior application.

1. Pittsburgh Paints; 4-603 Perma-Crete Interior/Exterior Alkali Resistant Primer: Applied at a dry film thickness of not less than 1.2 mils.
2. Rodda; 501601 First Coat 100% Acrylic Int./Ext. Primer: Applied at a dry film thickness of not less than 1.5 mils.
3. Sherwin-Williams; Loxon Concrete & Masonry Primer A24W8300: Applied at a dry film thickness of not less than 3.0 mils.

B. Interior Gypsum Board Primer: Factory-formulated latex-based primer for interior application.

1. Glidden Professional Paints; 1090-1200 Ultra Basecoat Interior Latex Wall Primer/Sealer: Applied at a dry film thickness of not less than 1.2 mils.
2. Pittsburgh Paints; 6-2 SpeedHide Interior Quick-Drying Latex Sealer: Applied at a dry film thickness of not less than 1.0 mil.
3. Sherwin-Williams; PrepRite 200 Latex Wall Primer B28W200 Series: Applied at a dry film thickness of not less than 1.6 mils.

C. Interior Wood Primer for Acrylic-Enamel and Semigloss Alkyd-Enamel Finishes: Factory-formulated alkyd- or acrylic-latex-based interior wood primer.

1. Glidden Professional Paints; 3210-1200 Ultra-Hide Aquacrylic GRIPPER Stain Killer Primer Sealer: Applied at a dry film thickness of not less than 1.8 mils
2. Pittsburgh Paints; 17-921 Seal Grip 100 Percent Acrylic Universal Primer: Applied at a dry film thickness of not less than 1.6 mil.
3. Sherwin-Williams; Multi-Purpose Latex Primer B51W00020: Applied at a dry film thickness of not less than 1.6 mils.

D. Interior Ferrous-Metal Primer: Factory-formulated quick-drying rust-inhibitive alkyd-based metal primer.

1. Glidden Professional Paints; 4160-6130 Devguard Multi-Purpose Tank and Structural Primer: Applied at a dry film thickness of not less than 2.0 mils.
2. Pittsburgh Paints; 90-712 Pitt-Tech One Pack Interior/Exterior Primer/Finish DTM Industrial Enamel: Applied at a dry film thickness of not less than 2.0 mils.
3. Sherwin-Williams; Pro Industrial Pro-Cryl Universal Primer B66W00310: Applied at a dry film thickness of not less than 3.0 mils.

E. Interior Zinc-Coated Metal Primer: Factory-formulated galvanized metal primer.

1. Glidden Professional Paints; 4160-6130 Devguard Multi-Purpose Tank and Structural Primer: Applied at a dry film thickness of not less than 2.0 mils.
2. Pittsburgh Paints; 90-712 Pitt-Tech One Pack Interior/Exterior Primer/Finish DTM Industrial Enamel: Applied at a dry film thickness of not less than 2.0 mils.
3. Sherwin-Williams; Pro Industrial Pro-Cryl Universal Primer B66W00310: Applied at a dry film thickness of not less than 3.0 mils.

2.5 EXTERIOR FINISH COATS

A. Exterior Semigloss Alkyd Enamel: Factory-formulated semigloss alkyd enamel for exterior application.

1. Glidden Professional Paints; 2516 Alkyd Semgloss Enamel; Applied at a dry film thickness of not less than 1.5 mils.
2. Pittsburgh Paints; Applied at a dry film thickness of not less than 1.5 mils.
3. Sherwin-Williams; SWP Exterior Oil Base Gloss A2 Series; Applied at a dry film thickness of not less than 4.0 mils.

2.6 EXTERIOR WOOD STAIN PRODUCTS

A. Semitransparent Oil/Alkyd Stain: Factory-formulated oil- or oil/alkyd-resin-based semitransparent wood stain applied at spreading rate recommended by manufacturer.

1. Pittsburgh Paints: 77-890 Series Rez Exterior Stain Semi-Transparent Oil Stains.
2. Samuel Cabot: Semi-Transparent Stains 0300/6300 Series.
3. Sherwin-Williams: Exterior Alkyd Semi-Transparent Wood Preservative Stain A14 Series.

2.7 INTERIOR FINISH COATS

A. Interior Flat Latex-Emulsion Size: Factory-formulated flat latex-based interior paint.

1. Glidden Professional Paints; 1200 Ultrahide 250 Interior Flat Latex Wall & Trim Finish: Applied at a dry film thickness of not less than 1.4 mils.
2. Pittsburgh Paints; 6-70 Line SpeedHide Interior Wall Flat-Latex Paint: Applied at a dry film thickness of not less than 1.0 mil.
3. Sherwin-Williams; ProMar 200 Interior Latex Flat Wall Paint B30W200 Series: Applied at a dry film thickness of not less than 1.4 mils.

B. Interior Low-Luster Acrylic Enamel: Factory-formulated eggshell acrylic-latex interior enamel.

1. Pittsburgh Paints; 6-411 Series SpeedHide Eggshell Acrylic Latex Enamel: Applied at a dry film thickness of not less than 1.25 mils.
2. Rodda; 533001 Lasyn Eggshell Finish Wall Paint: Applied at a dry film thickness of not less than 1.5 mils.
3. Sherwin-Williams; ProMar 200 Interior Latex Egg-Shell Enamel B20W200 Series: Applied at a dry film thickness of not less than 1.6 mils.

C. Interior Semigloss Acrylic Enamel: Factory-formulated semigloss acrylic-latex enamel for interior application.

1. Glidden Professional Paints; 1406 Ultrahide 250 Acrylic Semi-Gloss Interior Wall & Trim Enamel: Applied at a dry film thickness of not less than 1.5 mils.
2. Pittsburgh Paints; 6-500 Series SpeedHide Interior Semi-Gloss Latex: Applied at a dry film thickness of not less than 1.0 mil.
3. Sherwin-Williams; ProMar 200 Latex Semi-Gloss, B31 Series: B31W200 Series: Applied at a dry film thickness of not less than 1.3 mils.

D. Interior Semigloss Alkyd Enamel: Factory-formulated semigloss alkyd enamel for interior application.

1. Glidden Professional Paints; 2516 Alkyd Semgloss Enamel; Applied at a dry film thickness of not less than 1.5 mils.
2. Pittsburgh Paints; Applied at a dry film thickness of not less than 1.5 mils.
3. Sherwin-Williams; SWP Exterior Oil Base Gloss A2 Series; Applied at a dry film thickness of not less than 4.0 mils.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

1. Wood: 15 percent.
2. Gypsum Board: 12 percent.

C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

D. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

E. Proceed with coating application only after unsatisfactory conditions have been corrected.

1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. General: Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

B. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

1. Provide barrier coats over incompatible primers or remove and reprime.

D. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions. Back roll block filler to fill voids.

E. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer, but not less than the following:

1. SSPC-SP 3, "Power Tool Cleaning."

F. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

G. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

H. Wood Substrates:

1. Scrape and clean knots. Before applying primer, apply coat of knot sealer recommended in writing by topcoat manufacturer for exterior use in paint system indicated.
2. Sand surfaces that will be exposed to view, and dust off.
3. Prime edges, ends, faces, undersides, and backsides of wood.
4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

I. Cotton or Canvas Insulation Covering Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

3.3 APPLICATION

A. General: Apply paint according to manufacturer's written instructions.

1. Use applicators and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
3. Paint both sides and edges of exterior doors and entire exposed surface of exterior door frames with exterior paint.
4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

C. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

D. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:

1. Paint the following work where exposed to view in occupied spaces:

a. Equipment, including panelboards.
b. Uninsulated metal piping.
c. Pipe hangers and supports.
d. Metal conduit.
e. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.

2. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.
3. Sand lightly between each succeeding enamel or varnish coat.

E. Mechanical and Electrical Work: Painting of mechanical and electrical work is limited to items exposed in equipment rooms and occupied spaces, except in mechanical equipment rooms, and electrical rooms.

F. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.

G. Prime Coats: Before applying finish coats, apply a prime coat, as recommended by manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to insufficient sealing.

H. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

I. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.

1. Provide satin finish for final coats.

J. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.4 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 EXTERIOR PAINT SCHEDULE

A. Zinc-Coated Metal: Provide the following finish systems over exterior zinc-coated metal surfaces:

1. Semi-Gloss Alkyd Enamel Finish: Two finish coat over a factory applied primer.

a. Finish Coats: Exterior semi-gloss alkyd enamel.

3.6 INTERIOR PAINT SCHEDULE

A. Concrete Unit Masonry: Provide the following finish systems over interior concrete masonry:

1. Semigloss Acrylic-Enamel Finish: One finish coat over existing painted surface.

a. Finish Coat: Interior semigloss acrylic enamel.

B. Concrete Unit Masonry: Provide the following finish systems over interior concrete masonry:

1. Semigloss Acrylic-Enamel Finish: Two finish coats over a block filler.

a. Block Filler: Concrete unit masonry block filler.
b. Finish Coats: Interior semigloss acrylic enamel.

C. Gypsum Board: Provide the following finish systems over interior gypsum board surfaces:

1. Low-Luster Acrylic-Enamel Finish (Mezzanine Offices and Corridor Only): Two finish coats over a primer.

a. Primer: Interior gypsum board primer.
b. Finish Coats: Interior low-luster acrylic enamel.

2. Semigloss Acrylic-Enamel Finish: Two finish coats over a primer.

a. Primer: Interior gypsum board primer.
b. Finish Coats: Interior semigloss acrylic enamel.

D. Wood: Provide the following paint finish systems over new interior wood surfaces:

1. Semigloss Acrylic-Enamel Finish: Two finish coats over a wood undercoater.

a. Primer: Interior wood primer for acrylic-enamel and semigloss alkyd-enamel finishes.
b. Finish Coats: Interior semigloss acrylic enamel.

E. Ferrous Metal: Provide the following finish systems over ferrous metal:

1. Semigloss Alkyd Enamel Finish: Two finish coats over a primer.

a. Primer: Interior ferrous-metal primer.
b. Finish Coats: Interior semi-gloss alkyd enamel.

F. Zinc-Coated Metal: Provide the following finish systems over interior zinc-coated metal surfaces:

1. Semigloss Alkyd-Enamel Finish: Two finish coats over a primer.

a. Primer: Interior zinc-coated metal primer.
b. Finish Coats: Interior semi-gloss alkyd enamel.

G. All-Service Jacket over Insulation: Provide the following finish system on cotton or canvas insulation covering:

1. Flat Acrylic Finish: Two finish coats. Add fungicidal agent to render fabric mildew proof.

a. Finish Coats: Interior flat latex-emulsion size.

3.7 EXTERIOR WOOD STAIN SCHEDULE

A. Exterior Wood Siding: Provide the following stain systems on exterior wood siding, and wood trim including fasciae and soffits:

1. Semitransparent Oil/Alkyd Finish: Two coats.

a. Stain Coats: Semitransparent oil/alkyd stain.

END OF SECTION

SECTION 09 96 00 - HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes surface preparation and field application of high-performance coating systems to items and surfaces scheduled.

B. Related Sections include the following:

1. Section 09 90 00 "Painting" for general field painting.
2. Section 13 42 63 "Steel Detention Cell Modules" for shop-primed ferrous metal.

1.3 DEFINITIONS

A. Standard coating terms defined in ASTM D 16 apply to this Section.

B. Gloss ranges used in this Section include the following:

1. Semigloss refers to medium-sheen finish with a gloss range between 30 and 65 when measured at a 60-degree meter.
2. High gloss refers to high-sheen finish with a gloss range more than 65 when measured at a 60-degree meter.

C. Environments: The following terms are used in Part 2 of this Section to distinguish between different corrosive exposures:

1. "Severe environments" are highly corrosive industrial atmospheres with sustained exposure to high humidity and condensation and with frequent cleaning using strong chemicals. Environments with heavy concentrations of strong chemical fumes and frequent splashing and spilling of harsh chemical products are severe environments.
2. "Moderate environments" are corrosive industrial atmospheres with intermittent exposure to high humidity and condensation, occasional mold and mildew development, and regular cleaning with strong chemicals. Environments with exposure to heavy concentrations of chemical fumes and occasional splashing and spilling of chemical products are moderate environments.
3. "Mild environments" are industrial atmospheres with normal exposure to moderate humidity and condensation, occasional mold and mildew development, and infrequent cleaning with strong chemicals. Environments with low levels of mild chemical fumes and occasional splashing and spilling of chemical products are mild environments. Normal outdoor weathering is also considered a mild environment.

1.4 SUBMITTALS

A. Product Data: For each coating system indicated. Include block fillers and primers.

1. Material List: An inclusive list of required coating materials. Indicate each material and cross-reference the specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
2. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each material specified.

B. Samples for Verification: For each color and material to be applied, with texture to simulate actual conditions.

1. Provide stepped Samples defining each separate coat, including primers. Use representative colors when preparing Samples for review. Resubmit until required sheen, color, and texture are achieved.
2. List of material and application for each coat of each sample. Label each sample for location and application.
3. Submit samples on the following substrates for Department’s review of color and texture:

    a. Submit four Samples on 8-by-10 inch cardstock for Department’s review of color and texture only:

C. Product List: For each product indicated, include the following:

1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
2. VOC content.

1.5 QUALITY ASSURANCE

A. Applicator Qualifications: Engage an experienced applicator who has completed high-performance coating system applications similar in material and extent to those indicated for Project and whose work has a record of successful in-service performance.

B. Source Limitations: Obtain primers and undercoat materials for each coating system from the same manufacturer as the finish coats.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label with the following information:

1. Name or title of material.
2. Product description (generic classification or binder type).
3. Manufacturer's stock number and date of manufacture.
4. Contents by volume, for pigment and vehicle constituents.
5. Thinning instructions.
6. Application instructions.
7. Color name and number.
8. Handling instructions and precautions.

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F. Maintain containers used in storage in a clean condition, free of foreign materials and residue.

1. Protect materials from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and applying coatings.

1.7 PROJECT CONDITIONS

A. Apply coatings only when temperature of surfaces to be coated and surrounding air temperatures are between 45 and 95 deg F.

B. Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1. Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before proceeding with or continuing coating operation.
2. Work may continue during inclement weather only if areas and surfaces to be coated are enclosed and temperature within the area can be maintained within limits specified by manufacturer during application and drying periods.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products indicated in the coating system descriptions.

B. Products: Subject to compliance with requirements, provide one of the products indicated in the coating system descriptions.

C. Manufacturers' Names: The following manufacturers are referred to in the coating system descriptions by shortened versions of their names shown in parenthesis:

1. Carboline Company (Carboline).
2. Pittsburgh Paint; PPG Industries, Inc. (PPG).
3. Sherwin Williams; Industrial and Marine Coatings (S-W).
4. Tnemec Company, Inc. (Tnemec).

2.2 COATINGS MATERIALS, GENERAL

A. Material Compatibility: Provide primers, undercoats, and finish-coat materials that are compatible with one another and substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Material Quality: Provide manufacturer's highest grade of the various high-performance coatings specified. Materials not displaying manufacturer's product identification are not acceptable.

1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

2.3 COLORS

A. Colors: As selected by Architect from manufacturer's full range.

2.4 INTERIOR HIGH-PERFORMANCE COATING SYSTEMS

A. Concrete Shower Room Floors: Provide the following finish systems over interior concrete surfaces:

1. Moderate Environment (Semigloss Finish): One finish coat over an intermediate coat and a primer.

a. Primer: Epoxy primer applied at spreading rate recommended by manufacturer.

1) Carboline: 888 2-Component Polyamide Epoxy.
2) PPG: 97-14XX Series Pitt-Guard DTR Epoxy.
3) S-W: Primer not required.
4) Tnemec: Series 66 Hi-Build Epoxoline Polamidoamine Epoxy.

b. Intermediate Coat: Epoxy applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 2.0 to 5.0 mils.

1) Carboline: 888 2-Component Polyamide Epoxy.
2) PPG: 97-1XXX Series Aquapon High Build Semi-Gloss Polyamide Epoxy Coating.
3) S-W: Epolon II Multi-Mil Epoxy Series B62V800.
4) Tnemec: Intermediate coat not required.

c. Topcoat: Semigloss polyamide epoxy applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 2.0 to 5.0 mils, unless otherwise indicated.

1) Carboline: 888 2-Component Polyamide Epoxy.
2) PPG: 97-1XXX Series Aquapon High Build Semi-Gloss Polyamide Epoxy Coating.
3) S-W: Epolon II Multi-Mil Epoxy Series B62V800.
4) Tnemec: Series 66 Hi-Build Epoxoline Polamidoamine Epoxy.

B. Ferrous Metal: Provide the following finish systems over interior ferrous-metal steel detention cell modules surfaces:

1. Mild Environment (Semigloss Finish): One finish coat over an intermediate coat and a primer.

a. Primer: Acrylic or epoxy primer, as recommended by manufacturer for this substrate, applied at spreading rate recommended by manufacturer.

1) Carboline: 888 2-Component Polyamide Epoxy.
2) PPG: 90-7XX Series Pitt-Tech One Pack Interior/Exterior Primer Finish DTM Industrial Enamel.
3) S-W: Kem Kromik Universal Metal Primer B50Z Series.
4) Tnemec: Series 18 Enviroprime.

b. Intermediate Coat: Acrylic enamel applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 1.0 to 4.0 mils.

1) Carboline: 3359 Water-Borne Acrylic.
2) PPG: 90-4XX Series Pitt-Tech One Pack Interior/Exterior High Performance Waterborne Satin DTM Industrial Enamel.
3) S-W: DTM Acrylic Semi-Gloss Coating B66W200 Series.
4) Tnemec: Series 29 Tuf-Cryl Water Based Acrylic Emulsion.

c. Topcoat: Semigloss acrylic enamel applied at spreading rate recommended by manufacturer to achieve a dry film thickness of 1.0 to 4.0 mils.

1) Carboline: 3359 Water-Borne Acrylic.
2) PPG: 90-4XX Series Pitt-Tech One Pack Interior/Exterior High Performance Waterborne Satin DTM Industrial Enamel.
3) S-W: DTM Acrylic Semi-Gloss Coating B66W200 Series.
4) Tnemec: Series 29 Tuf-Cryl Water Based Acrylic Emulsion.

C. Aggregate: Sand

PART 3 - EXECUTION

3.1 EXAMINATION

A. With Applicator present, examine substrates and conditions under which high-performance coatings will be applied, for compliance with coating application requirements.

1. Apply coatings only after unsatisfactory conditions have been corrected and surfaces to receive coatings are thoroughly dry.
2. Start of application is construed as Applicator's acceptance of surfaces within that particular area.

B. Coordination of Work: Review other Sections in which primers or other coatings are provided to ensure compatibility of total systems for various substrates. On request, furnish information on characteristics of specified finish materials to ensure compatible primers.

1. If a potential incompatibility of primers applied by others exists, obtain the following from the primer Applicator before proceeding:

    a. Confirmation of primer's suitability for expected service conditions.
    b. Confirmation of primer's ability to be top coated with materials specified.

2. Notify Department about anticipated problems before using the coatings specified over substrates primed by others.

3.2 PREPARATION

A. Cleaning: Before applying high-performance coatings, clean substrates of substances that could impair bond of coatings. Remove oil and grease before cleaning.

1. Schedule cleaning and coating application so dust and other contaminates from cleaning process will not fall on wet, newly coated surfaces.

B. Surface Preparation: Clean and prepare surfaces to be coated according to manufacturer's written instructions for each substrate condition and as specified.

1. Provide barrier coats over incompatible primers or remove primers and reprime substrate.
2. Cementitious Substrates: Prepare concrete surfaces to be coated. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen if required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods to prepare surfaces.

    a. Use abrasive blast-cleaning methods if recommended by coating manufacturer.
    b. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not coat surfaces if moisture content exceeds that permitted in manufacturer's written instructions.

3. Ferrous-Metal Substrates: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with SSPC recommendations.

    a. Blast-clean steel surfaces as recommended by coating manufacturer and according to SSPC-SP 10/NACE No. 2.
    b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.

C. Touch up bare areas and shop-applied prime coats that have been damaged. Wire brush, solvent clean, and touch up with same primer as the shop coat.Material Preparation: Carefully mix and prepare coating materials according to manufacturer's written instructions.

1. Maintain containers used in mixing and applying coatings in a clean condition, free of foreign materials and residue.

2. Stir materials before applying to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into the material. Remove film and, if necessary, strain coating material before using.
3. Use only the type of thinners approved by manufacturer and only within recommended limits.

3.3 APPLICATION

A. General: Apply high-performance coatings according to manufacturer's written instructions.

1. Use applicators and techniques best suited for the material being applied.
2. Do not apply high-performance coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
3. Coating colors, surface treatments, and finishes are indicated in the coating system descriptions.
4. Provide ventilation to prevent odors from passing to occupied adjacent spaces.
5. Provide finish coats compatible with primers used.
6. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, grilles, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.

B. Scheduling Coating: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for coating as soon as practicable after preparation and before subsequent surface deterioration.

1. The number of coats and film thickness required is the same regardless of application method.

    a. Omit primer on metal surfaces that have been shop primed and touchup painted.
    b. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer.
    c. Where Drawings require sanding, sand between applications to produce a smooth, even surface. Broadcast sand over wet intermediate coat to resistance. Vacuum loose sand before topcoat application.
    d. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until coating has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and application of another coat does not cause undercoat to lift or lose adhesion.

2. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance. Give special attention to edges, corners, crevices, welds, exposed fasteners, and similar surfaces to ensure that they receive a dry film thickness equivalent to that of flat surfaces.

C. Application Procedures: Apply coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

1. Brush Application: Use brushes best suited for material applied and of appropriate size for the surface or item being coated.

    a. Apply primers and first coats by brush unless manufacturer's written instructions permit using roller or mechanical applicators.

b. Brush out and work brush coats into surfaces in an even film.
c. Eliminate cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Neatly draw glass lines and color breaks.

2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by manufacturer for the material and texture required.
3. Spray Equipment: Use mechanical methods to apply coating if permitted by manufacturer's written instructions and governing regulations.

a. Use spray equipment with orifice size recommended by manufacturer for material and texture required.
b. Apply each coat to provide the equivalent hiding of brush-applied coats.
c. Do not double back with spray equipment building-up film thickness of two coats in one pass, unless recommended by manufacturer.

D. Minimum Coating Thickness: Apply each material no thinner than manufacturer's recommended spreading rate. Provide total dry film thickness of the entire system as recommended by manufacturer.

E. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by manufacturer, to material required to be coated or finished that has not been prime coated by others.

1. Recoat primed and sealed substrates if there is evidence of suction spots or unsealed areas in first coat, to ensure a finish coat with no burn-through or other defects caused by insufficient sealing.

F. Completed Work: Match approved Samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements.

3.4 CLEANING

A. Cleanup: At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

1. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

3.5 PROTECTION

A. Protect work of other trades, whether being coated or not, against damage from coating operation. Correct damage by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.

1. Provide "Wet Paint" signs to protect newly coated finishes. After completing coating operations, remove temporary protective wrappings provided by others to protect their work.
2. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces. Comply with procedures specified in PDCA P1.

END OF SECTION

SECTION 28 46 00 - FIRE DETECTION AND ALARM – Issued per Addendum #1 2-28-2020

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Contractor designed and installed extension to the existing addressable fire alarm and smoke detection system. This is a performance type specification describing the minimum acceptable fire alarm system. The Contractor shall design and install the fire alarm and smoke detection system in accordance with the requirements of NFPA 72 and ICC/ANSI A117.1. The fire alarm devices on the drawings are shown in suggested locations. The final locations of all devices shall be solely determined by the Contractor and shall be in accordance with NFPA 72 and ICC/ANSI A117.1.

1.2 RELATED SECTIONS

A. Section 26 05 19 – Low-Voltage Electrical Power Conductors and Cables.

B. Section 26 05 33 – Raceway and Boxes for Electrical Systems.

C. Section 26 05 53 – Identification for Electrical Systems.

1.3 REFERENCES

A. NFPA 72 - National Fire Alarm Code.

B. NFPA 101 - Life Safety Code.

C. International Mechanical Code (IMC).

D. Americans with Disabilities Act (ADA) and ADA Guidelines for Buildings and Facilities (ICC/ANSI A117.1).

E. ANSI S3.41 - Audible Emergency Evacuation Signals.

1.4 REGULATORY REQUIREMENTS

A. System: UL and FM listed.

B. Conform to the requirements of UL 864.

C. Conform to requirements of NFPA 101.

D. Conform to requirements of ICC/ANSI A117.1.

E. Install system in accordance with NFPA 72.

1.5 QUALIFICATIONS

A. The installation of the system shall conform to the State of Alaska requirements and be supervised by a representative with a current State Fire Alarm License.

B. System Supplier: Factory trained to provide the submitted fire alarm system.

C. Installer: Installation of the system shall be 100% field checked by a factory trained and authorized NICET Level III technician certified in the Fire Alarm System Program. The actual supervising technician must be approved prior to start of work.

1.6 SUBMITTALS

A. Submit product data and shop drawings under the provisions of Division 01.

B. Submit shop drawings prepared and signed by a NICET Level III technician certified in fire alarm systems under the provisions of Division 01. Shop drawings shall have the following requirements:

1. The Shop Drawings shall be reproduced electronically from a Master Copy supplied in digital format. Electronic copy of the Contract Drawings will be available at no charge to use as base plan for generation of electronic submittal. Shop Drawings shall be printed at Contract Drawing size and scale of floor plans on Shop Drawings shall match Contract Drawings.
2. All text on the drawings shall be legible without magnification when the shop drawings are reduced to 11" x 17".
3. Provide minimum 1/8" scale floor plans with all new auxiliary panels, field devices, raceway and conductor routing, quantities and connection requirements for every component.
4. Provide point-to-point system wiring diagrams showing interconnection of all devices.
5. Provide a riser diagram showing all new devices on each NAC, SLC, and auxiliary circuit connected to the fire alarm control panel. Individual device addresses on riser diagram are not required for initial shop drawing submittal but shall be provided on the as-built drawings.
6. Provide calculations to support battery size selection. Provide voltage drop calculations for each SLC and NAC circuit. Show the voltage drop at the furthest notification appliance from the control panel. Show all formulas and acceptable limits for all calculations. All calculations shall be shown on the shop drawings.

C. Submit shop drawings and product data to the local Fire Marshal for review and approval. All shop drawings and product data shall be reviewed and approved by the authority having jurisdiction prior to procurement and installation of materials or devices for the system.

D. Device Names: All device names that are displayed on the LCD text annunciators in the fire alarm panel and remote text annunciator panels shall be approved by the Owner. The Contractor shall request a list of approved room names for the facility prior to programming the fire alarm panel or any field devices.

1.7 PROJECT RECORD DRAWINGS

A. Submit documents under the provisions of Division 01.

B. Accurately indicate actual locations of notification appliances, initiating devices, annunciators, etc.

C. Provide Point to Point as-built wiring diagrams of the Life Safety System as installed. This shall include all connected devices with actual addresses and locations of all T-taps.

1.8 OPERATION AND MAINTENANCE DATA

A. Submit operating instructions and maintenance and repair procedures under the provisions of Division 01.

B. Include an 11" x 17" set of the fire alarm system project record drawings.

C. Include a completed copy of the NFPA 72 Inspection and Testing Form.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site, store and protect, under provisions of Division 01.

1.10 EXTRA MATERIALS

A. Provide spare parts under provisions of Division 01.

B. Provide two keys of each type.

C. Provide one addressable smoke detector.

D. Provide one smoke detector guard.

1.11 WARRANTY

A. The Contractor shall be able to provide initial contact on warranty service and/or service contract requests from their principal location within eight (8) hours of notification.

PART 2 - PRODUCTS

2.1 FIRE ALARM AND SMOKE DETECTION CONTROL PANEL

A. Existing Control Panel: Siemens "Desigo" control panel. All connected devices shall be compatible with and listed for use with this panel.

2.2 INITIATING DEVICES

A. Manual Station: Surface mounted, single action addressable manual station.

B. Ceiling Mounted Smoke Detector: Addressable, NFPA 72, photoelectric type with adjustable sensitivity, plug-in base, and visual indication of detector actuation, suitable for mounting on 4-inch outlet box. Suitable for operation on existing control panel power supply and signaling line circuit.

2.3 INTELLIGENT MODULES

A. A control relay/transponder shall be installed where building services are to be automatically controlled by the fire alarm system during a fire emergency. The control relay shall be of a type that only consumes power momentarily while transferring from the deenergized to the energized state or back again. The command to change state shall come from the control panel in accordance with the system program. The control relay shall be condition (deenergized or energized) supervised, and its condition shall be confirmed and corrected, if necessary, during each polling cycle. The control relay/transponder shall be capable of operating on the same communication channel with initiating devices/transponders so that it can be located within 3 feet of the building service device it is controlling as required by NFPA 101-Life Safety Code while its integrity is being monitored from the control panel. The address code of the control relay transponder shall be field selectable and changeable in the same manner as for other transponders. The control relay/ transponder type code shall be factory preset and not be field changeable.

2.4 NOTIFICATION APPLIANCES

A. All appliances shall be U.L. Listed for Fire Protective Service.

B. All appliances shall be of the same manufacturer as the Fire Alarm Control Panel specified to assure absolute compatibility between the appliances and the control panels, and to assure that the application of the appliances is done in accordance with the single manufacturer's instructions.

C. Any appliances that do not meet the above requirements, and are submitted for use must show written proof of their compatibility for the purposes intended. Such proof shall be in the form of documentation from all manufacturers that clearly states that their equipment (as submitted) is 100% compatible with each other for the purposes intended.

D. Fire Alarm Strobe Lights: NFPA 72 compliant, flush or surface, wall or ceiling mounted, self-synchronizing, xenon, fire alarm strobe lamp and flasher with flashrate of one flash per second, complying with the requirements of ICC/ANSI A117.1. Provide red lettered FIRE on clear lens. The strobe shall be field-selectable to provide 15, 30 75, or 110 candela synchronized flash outputs. The settings of all strobes shall be determined by the Contractor during the shop drawing process.

E. Fire Alarm Horn: ANSI S3.41 and NFPA 72 compliant, flush or surface mounted fire alarm horn with adjustable sound output level. Sound Rating: 87 dBA (reverberant) at 10 feet on the "high" setting and 82 dBA (reverberant) at 10 feet on the "low" setting. Provide minimum sound pressure level of 15 dBA above the average ambient sound level in every occupied space within the building. Provide integral fire alarm strobe light as specified above where indicated on the drawings.

F. Remote Annunciator: Provide UL Listed, supervised, remote alpha-numeric annunciator with back-lit liquid crystal display capable of providing fire alarm system information on any event recorded by the fire alarm system with a minimum 40 alpha-numeric character display of a

custom message corresponding to the event. The annunciator shall have four LED's indicating normal, alarm, supervisory and trouble conditions.

G. Notification appliances shall be listed for use on the existing fire alarm control panel power supply.

H. LED indicator: Provide a LED indicator where noted to illuminate upon building alarm.

2.5 AUXILIARY DEVICES

A. NAC Booster Power Supplies:

1. Existing Power Supplies: New notification appliances may be connected to existing booster power supplies if the unit and batteries have sufficient capacity.
2. Power supply quantity, rating and battery size shall be determined by the Contractor. All locations of new power supplies shall be approved by the Owner prior to shop drawing submittal. Provide one or more dedicated circuits for all new power supplies. Each circuit shall have a handle lock on the breaker.
3. Smoke Detection: Provide a smoke detector to protect each NAC booster power supply in accordance with NFPA 72 requirements. Note that because the quantity and locations of NAC boosters are determined by the Contractor, these smoke detectors are not shown on the Contract Drawings but they shall be provided at no additional cost to the Owner.

B. Smoke Detector Guard: ABC Control Systems #0011419-6 or -10 (-x indicates number of mounting holes) or approved equal, with the following features:

1. Hemispherical or similar shape without sharp edges.
2. Guard shall completely enclose smoke detector, maintaining at least a ¼" clearance.
3. 11 ga min perforated steel (3/16" staggered holes providing sufficient openings to allow smoke to enter detector reasonably unimpeded, while providing vandalism and ligature resistance).
4. Interior grade finish providing durable, cleanable surface.
5. UL listing with detector not required (in accordance with AHJ approval); installed guards must not disable detector function.

2.6 FIRE ALARM WIRE AND CABLE

A. Fire Alarm System Power Branch Circuits: Building wire as specified in Section 26 05 19.

B. Notification Appliance Circuits: Minimum #12 AWG copper building wire, as specified in Section 26 05 19.

C. Initiating and Signaling Line Circuits: Twisted, shielded or unshielded fire alarm cable as recommended by the fire alarm system manufacturer. Minimum size #16 AWG.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install the fire alarm system in accordance with the manufacturer's instructions.

B. Install audible notification appliances with top of device not less than 90 inches above finished floor, and not less than 6 inches below finished ceiling. Install visual notification appliances such that the entire lens is not less than 80 inches and not greater than 96 inches above finished floor.

C. Install all smoke detectors a minimum of three feet from any air supply, return, or exhaust diffuser and a minimum of one foot from any light fixture.

D. Install all fire alarm system wiring in a dedicated conduit system separate from any other system wiring. Provide minimum 8 inch wire tails at each device box and 50 inch wire tails at the fire alarm control panel.

E. The Contractor is responsible to field coordinate the final location of all initiating devices and notification appliances to comply with the requirements of NFPA 72. Any initiating devices or notification appliances that are not installed in accordance with NFPA 72 shall be relocated to comply with the requirements of NFPA 72 at no cost to the Owner.

F. Detectors shall not be installed until after the construction cleanup of all trades is complete and final. Protective dust covers shall be installed on all detectors prior to final clean-up. Detectors that have been installed without dust covers prior to final clean-up shall be replaced at no cost to the Owner.

G. Program the system to identify each device with the submitted and approved designation in the LCD annunciators on the control panel and remote text annunciator.

3.2 FIELD QUALITY CONTROL

A. Test in accordance with NFPA 72 and local fire department requirements. Provide a completed NFPA 72 Inspection and Testing Form for inclusion in the Operation and Maintenance manual at the completion of testing and commissioning the fire alarm system.

B. Provide all equipment, devices and manpower as necessary to test each and every device in the fire alarm system both for function and supervision. Demonstrate that all devices connected to the system function properly.

C. The facility will not be accepted as substantially complete until the fire alarm system has been tested and demonstrated to the Owner's authorized representative as 100 percent complete and fully functional, a completed NFPA 72 Inspection and Testing form is submitted.

3.3 MANUFACTURER'S FIELD SERVICES

A. Include services of a certified technician to supervise installation, adjustments, final connections, programming and system testing.

3.4 FIRE ALARM SYSTEM IDENTIFICATION

A. Wire and Cable: Provide fire alarm unit conductors with color coded insulation, or use color coded tape at each conductor termination and in each junction box as follows:

1. Power Branch Circuit Conductors: Black, red, white.
2. Initiating Device Circuit: Black, red.

3. Detector Power Supply: Violet, brown.
4. Notification Appliance Circuit: Blue (positive), white (negative).

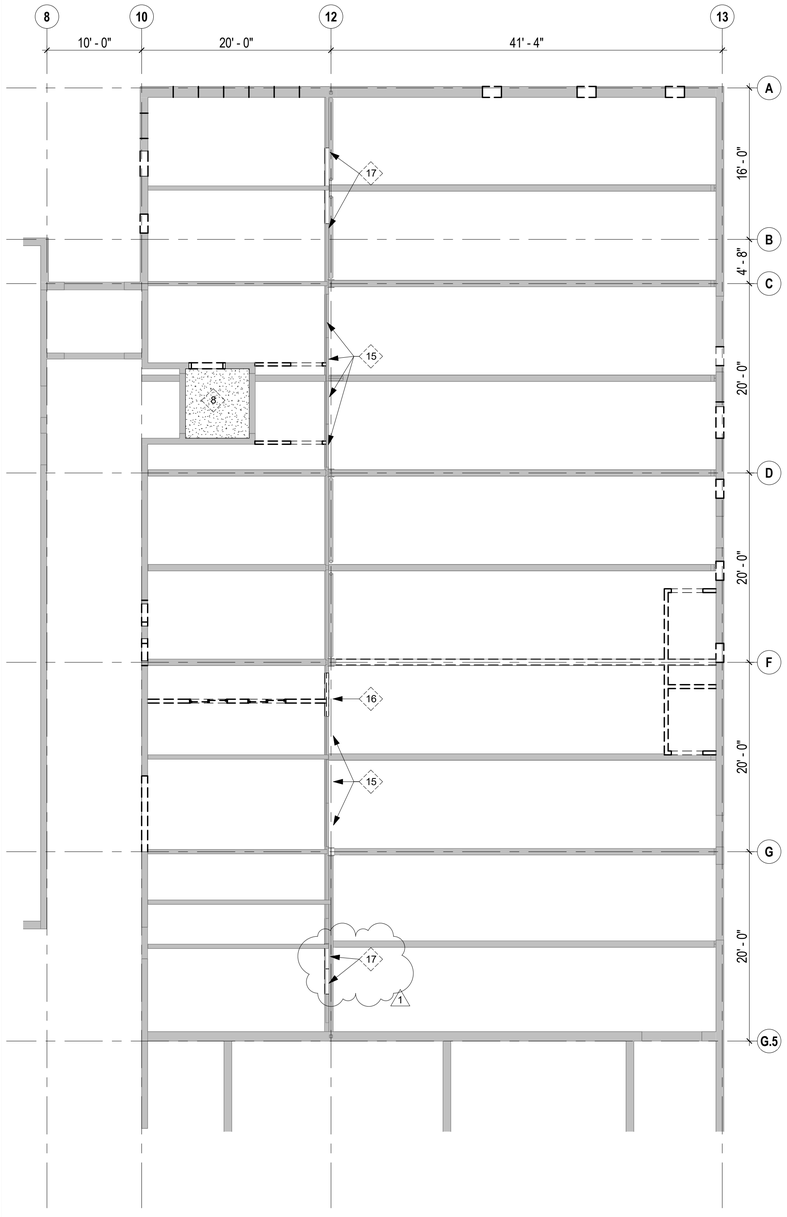
B. Identify all circuit conductors at all terminal and junction boxes per NEC 760.30. Use the circuit designations (i.e. “NAC 1”, “SLC 1”, etc.), as indicated on the shop drawings.

C. Fire Alarm Device Labels:

1. Install machine-printed device address labels on all addressable devices, including smoke/heat detectors, control relays, monitor modules, etc. Unless otherwise noted, in public spaces where devices are mounted below +80” on walls, install label on inside cover of device. At all other locations, install label on exterior cover of device. Device labels shall show the unique device address corresponding to the text annunciator description. For smoke detectors, the label shall be affixed to the base and not to the detector itself.

D. The circuit disconnecting means for the remote power booster supply or other control equipment circuits shall have a painted red handle and handle lock. The circuit(s) shall be labeled “Fire Alarm Circuit”. The circuit assignment and panel location shall be permanently identified on all fire alarm control equipment.

END OF SECTION

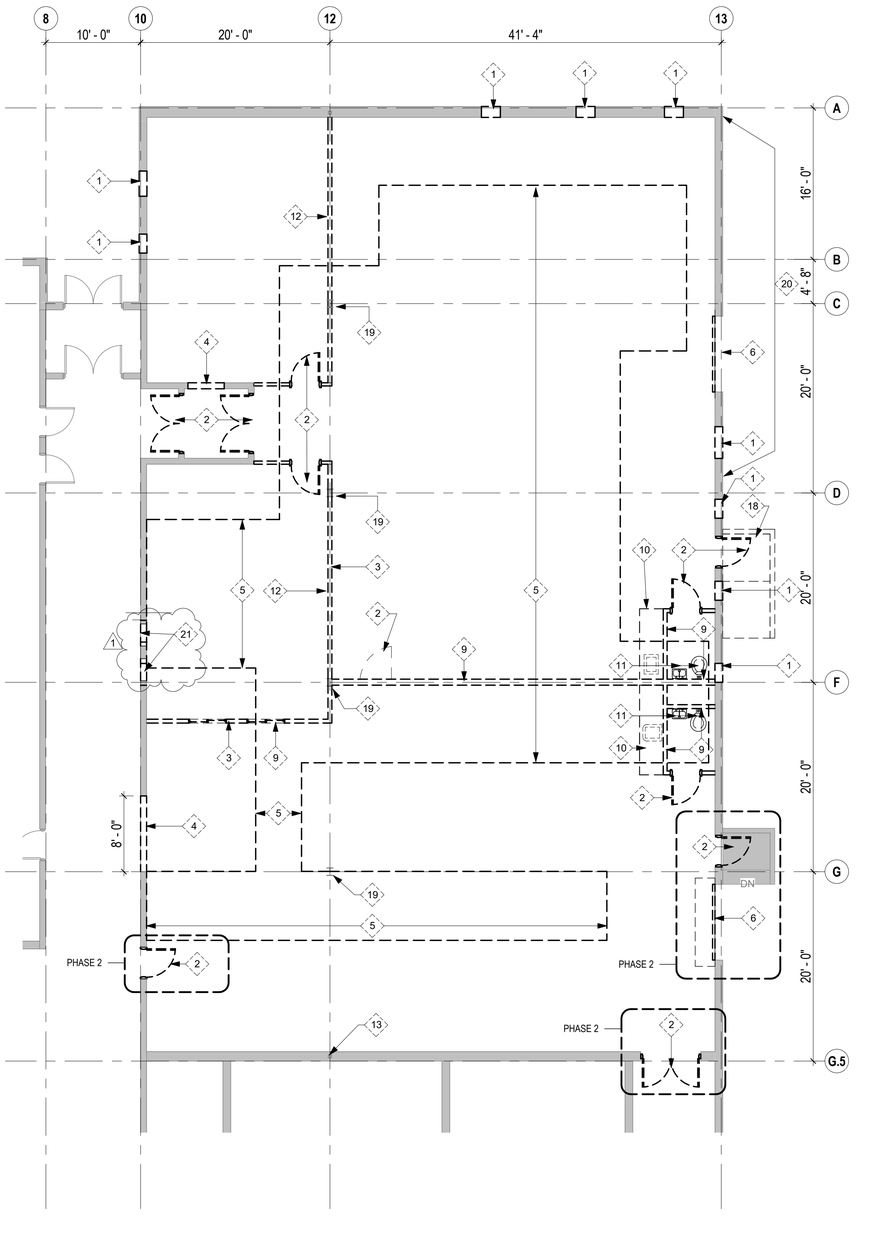


CEILING PLAN- DEMOLITION FIRST FLOOR

2 / A101 — 1/8" = 1'-0"

PLAN NORTH

0" 4' 8' 16'



FLOOR PLAN- DEMOLITION FIRST FLOOR

1 / A101 — 1/8" = 1'-0"

PLAN NORTH

0" 4' 8' 16'

DEMO PLAN GENERAL NOTES

1. DEMOLISH PARTITIONS AS SHOWN.
2. PATCH HOLES IN EXISTING WALLS AND FLOOR SLAB TO REMAIN

DEMO PLAN GENERAL NOTES

EXISTING

DEMO DOOR

DEMO WALL

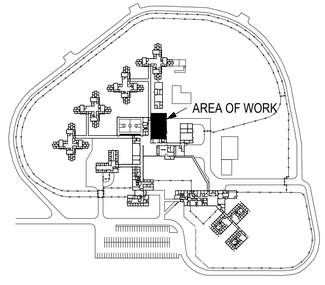
DEMOLITION SHEET NOTES

XX

1 DEMOLISH CMU, INSULATION, AND SIDING FOR NEW DOOR OR WINDOW. DO NOT OVERCUT CORNERS - REFER TO FLOOR PLANS FOR NEW OPENING DIMENSIONS
2 DEMOLISH DOOR, FRAME, AND HARDWARE- SALVAGE TO DEPARTMENT
3 DEMOLISH INTERIOR LITE
4 DEMOLISH CMU FOR NEW DOOR. DO NOT OVERCUT CORNERS. REPAIR CONCRETE FLOOR
5 DEMOLISH SLAB ON GRADE CONCRETE FOR NEW PLUMBING AND ELECTRICAL. COORDINATE EXTENT OF DEMO WITH NEW UNDERSLAB UTILITIES
6 DEMOLISH OVERHEAD SECTIONAL DOOR AND WOOD SIDING ABOVE OPENING TO ROOF EAVE.
8 DEMOLISH SURFACE APPLIED ACOUSTICAL TILES
9 DEMOLISH STUD FRAME PARTITION
10 DEMOLISH CASEWORK AND SINK
11 DEMOLISH LAVATORY AND TOILET
12 DEMOLISH STUD FRAME PARTITION TO BOTTOM OF LOWER BEAM
13 EXISTING COLUMNS TO REMAIN- COLUMN FOUNDATION MUST NOT BE DISTURBED- PROTECT DURING ADJACENT FLOOR SLAB DEMOLITION FOR NEW UTILITES
15 CLERESTORY WINDOWS TO REMAIN
16 DEMOLISH CLERESTORY WINDOW
17 DEMOLISH MECHANICAL LOUVER AND GYPSUM APPLIED TO INTERIOR OF LOUVER
18 DEMO CONCRETE RAMP, CURB AND LANDING
19 EXISTING COLUMN TO REMAIN - REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION ON FOOTING REINFORCEMENT
20 REMOVE EXTERIOR VERTICAL CEDAR SIDING WHERE NEW EXTERIOR REC YARD IS LOCATED, PREP SURFACE FOR NEW FINISH
21 DEMOLISH CMU FOR NEW OPENING. DO NOT OVERCUT CORNERS - REFER TO FLOOR PLANS AND DETAILS FOR NEW OPENING DIMENSIONS

1

ALL WORK THIS SHEET IS PHASE 1 U.N.O.



OVERALL KEY PLAN

ARCHITECTS:
RIM ARCHITECTS
645 'G' Street, Suite 400
Anchorage, Alaska 99501
Phone: 907.258.7777
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www.rimarchitects.com

CONSTRUCTION DOCUMENTS

PROJECT TITLE: HMCC MENTAL HEALTH UPGRADES
ADDRESS: 9101 HESTERBERG ROAD EAGLE RIVER, AK 99577
OWNER: HILAND MOUNTAIN CORRECTIONAL CENTER- DEPARTMENT OF CORRECTIONS
SHEET TITLE: DEMOLITION PLANS- FIRST FLOOR AND REFLECTED CEILING

NO	DESCRIPTION	DATE
1	Addendum 1	2020.02.28

REVISIONS

DATE : 2019.11.06
PROJECT NO : 181025
DRAWN BY : MRB
CHECKED BY : SB

DWG NO: A101

DOOR SCHEDULE

OPENING	TYPE	SIZE WIDTH	SIZE HEIGHT	DOOR OR BORROWED LITE MAT	DOOR OR BORROWED LITE FINISH	FRAME TYPE	FRAME MAT	FRAME FINISH	GLAZING TYPE	FIRE RATING (MINUTES)
01A	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	7A	DHM	PAINT	FSSG	90
01B	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	7A	DHM	PAINT	SG	
03	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1	DHM	PAINT	SG	
04	DSL	3' - 0"	6' - 8"	DHM	PAINT	4	DHM	PAINT	SG	
05	F	3' - 0"	7' - 0"	HM	PAINT	5	HM	PAINT	~	
07A	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	SG	
07B	F	1' - 2"	1' - 2"	DAD	PAINT	3	DAD	PAINT	~	
08	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT	~	45
10A	DSL	3' - 0"	7' - 4"	DHM	PAINT	4	DHM	PAINT	TG	
10B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
11	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
12A	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
12B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
14	SH	3' - 0"	7' - 0"	SST	FF	5	SST	FF	WWF	
15A	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
15B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
16A	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	SG	
16B	NL	3' - 0"	7' - 0"	IHM	PAINT	5	IHM	PAINT	ISG	
17	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
18A	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
18B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
19A	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
19B	F	1' - 2"	1' - 2"	DAD	PAINT	3	DAD	PAINT	~	
20A	DSL	3' - 0"	7' - 4"	DHM	PAINT	4	DHM	PAINT	TG	
20B	F	1' - 2"	1' - 2"	DAD	PAINT	3	DAD	PAINT	~	
21A	DSL	3' - 0"	7' - 4"	DHM	PAINT	4	DHM	PAINT	SG	
21B	F	1' - 2"	1' - 2"	DHM	PAINT	3	DAD	PAINT	~	
22	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	TG	
23A	DHL-2	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	SG	
23B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
24	SH	3' - 0"	7' - 0"	SST	FF	5	SST	FF	WWF	
25	SH	3' - 0"	7' - 0"	SST	FF	5	SST	FF	WWF	
26A	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1A	DHM	PAINT	SG	
26B	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1	DHM	PAINT	SG	
26C	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT		
27	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
28	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
29A	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
29B	F	2' - 0"	4' - 4"	DHM	PAINT	8	DHM	PAINT		
29C	F	2' - 0"	4' - 4"	DHM	PAINT	8	DHM	PAINT		
31A	F	3' - 0"	4' - 4"	HM	PAINT	-	HM	PAINT		
31B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
31C	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
33	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
34	DSL	3' - 0"	7' - 4"	DHM	PAINT	4	DHM	PAINT	TG	
35A	DSL	3' - 0"	7' - 4"	DHM	PAINT	4	DHM	PAINT	SG	
35B	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT	~	
37	NL	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT	TG/IB	
38A	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	7A	DHM	PAINT	FSSG	90
38B	F	3' - 0"	7' - 0"	IHM	PAINT	5	IHM	PAINT		
39	HL	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT	TG/IB	
40	F	3' - 0"	7' - 0"	HL	PAINT	9	HM	PAINT		45
46	SH	3' - 0"	7' - 0"	SST	FF	5	SST	FF	WWF	
47	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
48	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
49	NL	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT	TG/IB	
50	NL	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT	TG/IB	
51	F	2' - 8"	7' - 0"	HM	PAINT	9	HM	PAINT		
52	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
53	F	2' - 0"	4' - 0"	DAD	PAINT	2	DAD	PAINT		
M1	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
M2	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
M3	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
M4	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
M5	F	3' - 0"	7' - 0"	HM	PAINT	9	HM	PAINT		
M6	DHL-1	3' - 0"	7' - 0"	DHM	PAINT	1	DHM	PAINT	SG	

WINDOW SCHEDULE

MARK	COUNT	LEVEL	WITDH	HEIGHT	GLAZING	COMMENTS
A	6	FIRST FLOOR	2' - 0"	2' - 6"	ISG	
B	1	FIRST FLOOR	2' - 0"	3' - 4"	ISG	
C	1	FIRST FLOOR	2' - 8"	3' - 4"	ISG	
E	6	FIRST FLOOR / MEZZ	4' - 7"	4' - 2"	TG	PROVIDE SG IN ROOM 35
F	1	FIRST FLOOR	2' - 0"	2' - 6"	SG	
G	1	MEZZANINE	2' - 8"	4' - 0"		
H	1	MEZZANINE	2' - 8"	4' - 0"		
Grand total: 17	17					

INTERIOR FINISH LEGEND:

		CODE	MATERIAL	COLOR	NOTES
FLOOR		CONC	CONCRETE- SEALED	---	ALL ROOMS TO RECEIVE SEALED CONCRETE UNLESS NOTED OTHERWISE
		CPT	CARPET	SEE SPEC	INSTALL IN ROOM: OFFICES: M1, M2, M3, M4, M5, MEZZANINE 45
		VCT	VINYL COMPOSITION TILE		INSTALL IN ROOM: STAFF BREAK ROOM 3, STORAGE ROOM 48, OFFICE 27, ST TLT 28, MED STOR/DIST 29, HALL 26, CONTROL 31 DENTAL /EXAM PT SUITE 39, DENTAL/ EQUIP STORAGE 52, P.T. INTERVIEW 37, EXAM 49, AND EXAM 50
		PT	EPOXY PAINT		SHOWERS: 14, 24, 25, 46, ROOMS: 34, 35
BASE		RB	RESILIENT BASE		ALL ROOMS TO RECEIVE RESILIENT BASE UNLESS NOTED OTHERWISE, NO BASE IN 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 34, 35, 46
WALL		PT-1	PAINT- FIELD	OFF WHITE, MATCH EXISTING	ALL ROOMS TO RECEIVE PT-1 UNLESS NOTED OTHERWISE
		PT-2	EPOXY PAINT	OFF WHITE, MATCH EXISTING	PROVIDE EPOXY PAINT IN SHOWERS 14, 24, 25 AND 46
		FRP	FIBERGLASS REINFORCED PANEL	WHITE, USE MFR. STD TRIM AND FASTENERS	8'-0" HIGH AT JANITOR 5, STORAGE 13, AND UA ROOM 51 4'-0" HIGH FRP IN STAFF TOILET 28 AND PAINTED GYPSUM ABOVE, PT-1
CEILING		ACP-1	ACOUSTICAL CEILING PANEL	WHITE	SEE RCP A105
		EXP	EXPOSED	OFF WHITE	BUILDING STANDARD
		GB	GYPSUM BOARD	OFF WHITE	WATER RESISTANT GYPSUM BOARD CEILINGS OF SHOWER UNITS
		MTL	METAL PANEL	FACTORY FINISH	METAL PANEL CEILING, REFER TO A003 FOR TYPES
MISCELLANEOUS		PL-1	PLASTIC LAMINATE	WILSONART, TAN SOAPSTONE 4887-38	COUNTERTOP, ALL COUNTERTOP LOCATIONS UNLESS NOTED OTHERWISE
		PL-2	PLASTIC LAMINATE	WILSONART, LODEN ZEPHYR 4844-60	CABINET FACES, ALL CABINET LOCATIONS
		STN	SIMULATED STONE	MEGANITE, ROCKY ROAD GRANITE 789	COUNTERTOP AT CONTROL 31 AND NURSE STATION 41
			RISER, TREAD, AND STRINGER	SEE SPEC.	INSTALL AT STAIR LOCATION

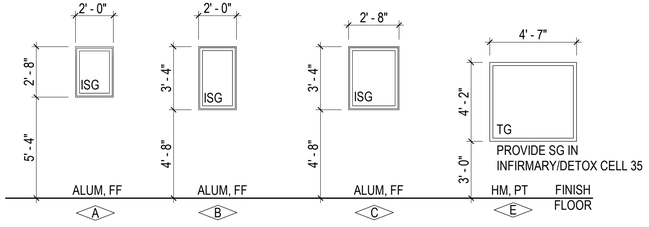
INTERIOR FINISH NOTES:

1. ALL ROOMS HAVE CONCRETE FLOOR FINISH WITH BACKER ROD AND EPOXY SEALANT BEAD WHERE WALL MEETS FLOOR OR CONCRETE BASE UNLESS NOTED OTHERWISE- REFER TO INTERIOR FINISH LEGEND FOR LOCATIONS
2. ALL ROOMS HAVE PAINTED GYPSUM BOARD WALLS OFF WHITE TO MATCH EXISTING UNLESS NOTED OTHERWISE- REFER TO INTERIOR FINISH LEGEND FOR LOCATIONS
3. PAINT ALL MAN DOORS AND FRAMES GREEN TO MATCH EXISTING INSTITUTION
4. PAINT ALL ACCESS DOORS TO MATCH GYPSUM BOARD
5. REFER TO SHEETS A105, A106, AND A107 FOR CEILING FINISHES. PAINT GYPSUM BOARD FINISHES TO MATCH WALLS.

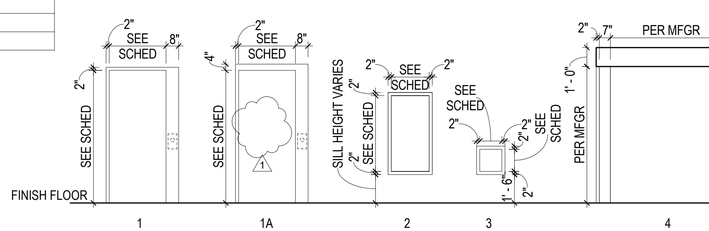
PROJECT SPECIFIC ABBREVIATIONS

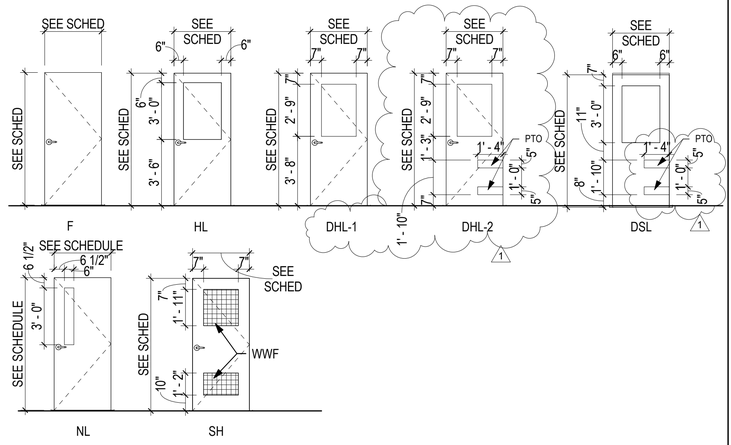
DAD	DETENTION ACCESS DOORS
DHL	DETENTION HALF-LITE
DHM	DETENTION HOLLOW METAL
DSL	DETENTION SLIDING DOORS
FF	FACTORY FINISH
FSSG	FIRE SAFETY SECURITY GLAZING
HM	HOLLOW METAL
IB	INTEGRATED BLINDS
IHM	INSULATED HOLLOW METAL
ISG	INSULATED SECURITY GLAZING
NL	NARROR LIGHT
PTO	PASS-THROUGH OPENING
SH	SHOWER
SG	SECURITY GLAZING
SST	STAINLESS STEEL
STN	SIMULATED STONE
TG	TEMPERED GLAZING
WWF	WELDED WIRE FABRIC

SEE 3/A501 FOR DETENTION DOOR FLOOR STOP DETAIL.



OPENING TYPES





DOOR TYPES

FRAME TYPES

ARCHITECTS:
RIM ARCHITECTS
645 'G' Street, Suite 400
Anchorage, Alaska 99501
Phone: 907.258.7777
Fax: 907.279.8195
www.rimarchitects.com

CONSTRUCTION DOCUMENTS

PROJECT TITLE: HMCC MENTAL HEALTH UPGRADES
ADDRESS: 9101 HESTERBERG ROAD EAGLE RIVER, AK 99577
OWNER: HILAND MOUNTAIN CORRECTIONAL CENTER- DEPARTMENT OF CORRECTIONS
SHEET TITLE: OPENING AND FINISH SCHEDULE

NO	DESCRIPTION	DATE
1	Addendum 1	2020.02.28

REVISIONS

DATE : 2019.11.06
PROJECT NO : 181025
DRAWN BY : JGE/MRB
CHECKED BY : SAB

DWG NO:
A601

HMCC Mental Health Upgrade Project
Pre-Bid Meeting Sign-In Sheet 2/20/20

Contractor	Name	Address	Phone #	Email	Comments / Concerns
Roger Hickel Contr.	Aaron Ghan	11001 Calaska Cir Anchorage, AK 99515	907-952-4452	aghan@rhc.com	
Endeavor Electric	Brian Faulkner	3560 W. 74TH Anch. AK 99502	907-279-1002	brian@endeavorak.com	
Corrections Technology ~~Bob Ellis~~ Group	Bob Ellis	6721 W. Harbor Dr. Coeur d'Alene ID 83814	509.991.2815	bobe@corrTechgroup.com	
Siemens Industry	Jake Stotler Andrew Sandefur	5333 FAIRBANKS Anch AK 99518	907-727-5253 907-382-5486	Jason.Stotler@gSiemens.com andrew.sandefur@siemens.com	
RAIN Proof Roofing	JASON DIAL	2201 EAST 84TH CRT ~~5400~~	907-344-5545	JDIAL@RAINPROOFROOFING.com	
Klebs Mechanical	Stephen McElroy	1107 E. 72nd Ave Anchorage, AK	907-365-2525	SMcelroy@Klebsheating.com	
AK Concrete Sawing	Nathan Ramos	6831 Debarr rd Anchorage AK 99504	907 354 3931	nramos@alaskaconcretesawing.com	
Chinook Roofing	George Stockwell	8750 Runsmuck PL. Anch. 99502	565-5500	georgec@chinookroofing.biz	
SR Bales Const	Daniel Fox	1200 E 76th Ave Suite 1223 Anch 99518	907-348-0820	dan@srbcak.com	
All-STAR	Bobbie L McDonald	11320 Bearpaw St Anchorage AK 99516	907-244-9222	bmed@allstaralaska.com	

HMCC Mental Health Upgrade Project
Pre-Bid Meeting Sign-In Sheet 2/20/20

KLEBS	JASON LEE	1107-E. 72ND Ave ANCHORAGE 99518	631-1848	JLee@Klebshcating.com
DENALI GENERAL CONTRACTORS	CHRIS HAMRE	P.O BOX 111490 ANCHORAGE, AK 9951	907-561-1840	CHRIS@DENALIGC.COM
JGH Plumbing + Heating	Jamie Johns	2040 S. Eklutna St Palmer, AK 99645	715-413-0665	jamie@jghinc.net Ken@jghinc.net
Samson Electric	Rick Newby	129 W Potter Drive Anchorage AK 99515	907-632-6603	rn@sei-AK.com
Roger Hickel Contracting	Sean Hickel	11001 Calaska Circle, Anchorage AK 99515	907-279-1400	shickel@rhcak.com
MEGAWATT ELECTRIC	JIM BUTCHER	510 W. FIREWEED LN #A AK 99503	901-301-6928	Jbutcher@megawattelectric.com
G2 Construction inc	Todd Major	188 Bentley trust. Rd Suite B Fairbanks, Ak 99701	907-687-7500	tmajor@g2const.com
Capstone Electric	Daniel Jeffries	20828 Bill Stephens	907 687 0231	Daniel@CapstoneAK.com
last Frontier mechanical	Tyler Gardino	6100 A St Anchorage, AK	907-982-9348	Tgardino@lastFrontiermechanical.com
Watterson	Shawn Morgan	6500 Interstate CTR Anch, AK	907-563-7441 406-531-6323	Smorgan@wcccak.com

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CHINOOK FIRE	JERRY JOHNSON	E 76TH ANCHORAGE AK	907-315-3278	JJOHNSON@CHINOOKFIRE.COM	
UNIT Company	Mike Raburn	6620 E Whitney Road	907 777 5709	mraburn@unitcompany.com	
David Dullos / Neeser Const		2501 Blueberry Rd	907-276-1056	ddullos@neeser.inc.com	
Michelle Klouda	RIM Architects	645 G St. SUITE 400	258-7777	MKlouda@RIMARCHITECTS.com	
Brian Emerton Cubs Painting	Brian Emerton		(907) 230-7132	brian@cubspainting.com	
Mikey's Edge (c/o CUB's)	Michael Hopkins		(907) 830-8080		