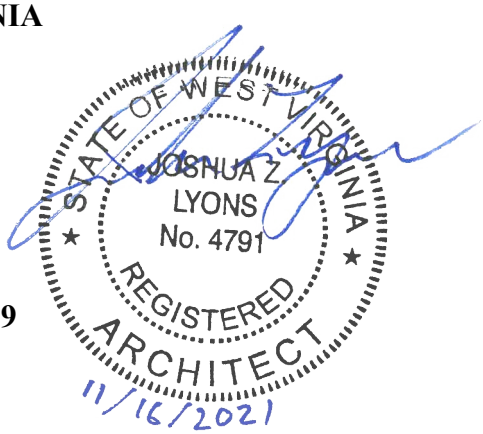
CENTRAL WEST VIRGINIA REGIONAL AIRPORT AUTHORITY
KANAWHA COUNTY, WEST VIRGINIA

RESTROOM RENOVATIONS

ADDENDUM #2

NOVEMBER 16, 2021

THRASHER PROJECT #060-10003.09



TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Thursday, November 4, 2021 on the above-referenced project. The following are clarifications and responses to questions posed by contractors for the above reference project.

A. GENERAL

1. Hydrotek flush valves & faucets are approved as an alternate manufacturer.
2. Contractor to include a $10,000 allowance for structural members for Concourse A where we are removing part of the bearing wall.
3. Drawings show the anticipated tie ins for under slab sewer. It will be the contractor's responsibility to verify the exact locations of these during construction. Accurate as built drawings were not available to design from.

B. SPECIFICATIONS

1. Index updated to reflect additional specs added
2. Spec Section 087100 added – Door Hardware
3. Spec Section 092216 added – Non-Structural Metal Framing
4. Hardware Schedule added

C. DRAWINGS

None

D. QUESTIONS AND RESPONSES

QUESTION

1. Please clarify if B&O Taxes are required.

RESPONSE

B&O Taxes are not required

QUESTION

2. Please clarify if a Building Permit will be required.

RESPONSE

No building permit is required

QUESTION

3. Are all employees and subcontractors working in the facility required to have a background check? If yes, who will be responsible for the cost?

RESPONSE

Not everyone is required to have a background check to receive a badge to work on the sterile side of the airport. Anyone working on the sterile side that doesn't have a badge, will be required to be escorted and nearby someone who does. It is highly recommended that multiple staff per shift pass the background check and receive a security badge. The cost for this is $100 per badge and is to be included in your bid.

QUESTION

4. Has an asbestos survey been made? If asbestos is found, who will be responsible for the cost of remediation?

RESPONSE

No asbestos survey has been completed. In the event that ACM are found, the removal will be negotiated with the successful bidder

QUESTION

5. Will the Notice to Proceed be given after the submittal process and materials are delivered to prevent any unforeseen delays?

RESPONSE

A notice to proceed will be given once the lowest qualified bid is accepted by the Owner. It is anticipated that this will happen within 30 days of the bid opening.

QUESTION

6. Are we to provide restroom signage or reuse existing? If new, could a signage spec be provided?

RESPONSE

Reuse the existing signage. This signage will be replaced with another contract in the near future.

QUESTION

7. Toilet Partitions – spec calls for laminate over particleboard while the schedule calls for Class A fire rated. Please clarify which type we are to provide.

RESPONSE

Toilet partitions are to be laminate over particle board

QUESTION

8. There is not a door hardware specification or hardware set list in the project manual and the door schedule does not indicate what type hardware set is required at each door location.

RESPONSE

A door hardware schedule has been provided as part of this addendum

QUESTION

9. Are we to reuse existing door hardware? If not, could a door hardware spec/schedule be provided?

RESPONSE

A door hardware schedule has been provided as part of this addendum

QUESTION

10. Could a non-structural metal framing spec be provided?

RESPONSE

A non-structural metal framing spec has been provided as part of this addendum.

QUESTION

11. Could a thermal insulation spec be provided?

RESPONSE

Thermal insulation is not required for this project except incidentally where infilling existing construction to match. For these instances, provide insulation matching type in existing construction. For the batt insulation shown in the partition types on A5.02, provide Owens Corning Sound Attenuation Batts (Basis of Design), or equal.

QUESTION

12. At the pre-bid it was mentioned that the window at the Ticket Lobby might stay and not get demoed. Please clarify. If this window is to get infilled, what wall finish is to be on the exterior side?

RESPONSE

This existing glass block window is to remain.

QUESTION
13. Who is the current fire alarm company?

RESPONSE
Newtech maintains the detectors and the electronic systems. Brewer maintains the sprinkler system.

QUESTION
14. Would 1 GFCI receptacle to protect the rest of the downline receptacles in each restroom be acceptable instead of a GFCI receptacle at every location?

RESPONSE
Install GFCI receptacles at every location as noted on the plans

QUESTION
15. It is indicated that a GFCI receptacle is to be at each mirror location for the mirrors to plug in to on the power circuit but the drawings also show the lighting circuit controlling the mirrors. Please clarify which is correct.

RESPONSE
The lighted mirror plugs into the GFCI outlet that is located behind the mirror. There is a factory on/off switch on the mirror. The lighting circuit from the wall switch is feeding light fixture F35 in the ceiling, not the mirror light.

E. CLARIFICATIONS

None

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 1:00 p.m. on Friday, November 19, 2021 at Central WV Regional Airport Authority, 100 Airport Road, Suite 175, Charleston, Kanawha County, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.

Craig M. Baker
Architecture Division Manager

CENTRAL WEST VIRGINIA AIRPORT AUTHORITY
KANAWHA COUNTY, WEST VIRGINIA
PROPOSED
RESTROOM RENOVATIONS
Thrasher Project # 060-10003.09

- I N D E X -

Execution and Closeout Requirements	017000
Operation and Maintenance Data	017823
Project Record Documents	017839
Selective Demolition	024119
Miscellaneous Rough Carpentry	061053
Hollow Metal Doors and Frames	081113
Flush Wood Doors	081416
Door Hardware	087100
Hardware Schedule	
Gypsum Board	092900
Ceramic Tiling	093013
Acoustical Panel Ceilings	095113
Interior Painting	099123
Plastic-Laminate-Clad Toilet Compartments	102113.16
Toilet, Bath, and Laundry Accessories	102800
Solid Surfacing Countertops	123661.16
Quartz Agglomerate Countertops	123661.19
Hangers And Supports for Fire-Suppression Piping and Equipment	210529
Wet-pipe Sprinkler System	211313
Sleeves and Sleeve Seals for Plumbing Piping	220517
Ball Valves for Plumbing Piping	220523.12
Check Valves for Plumbing Piping	220523.14
Hangers And Supports For Plumbing Piping And Equipment	220529
Testing, Adjusting, And Balancing For Plumbing	220593
Plumbing Piping Insulation	220719
Domestic Water Piping	221116
Sanitary Waste and Vent Piping	221316
Commercial Water Closets	224213.13
Commercial Urinals	224213.16
Commercial Lavatories	224216.13
Drinking Fountains	224713
Identification for HVAC Piping and Equipment	230553
Testing, Adjusting, and Balancing for HVAC	230593
Duct Insulation	230713
Metal Ducts	233113
Flexible Ducts	233346
HVAC Power Ventilators	233423
Air Diffusers	233713.13
Registers and Grilles	233713.23
Wall and Ceiling Unit Heaters	238239.19
Low-Voltage Electrical Power Conductors and Cables	260519
Raceway and Boxes for Electrical Systems	260533
Identification for Electrical Systems	260553
Lighting Control Devices	260923
Wiring Devices	262726
LED Interior Lighting	265119

SECTION 08710 - DOOR HARDWARE

PART 1 -GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Commercial door hardware.
2. Cylinders for doors specified in other Sections.
3. Electrified door hardware.

1.2 SUBMITTALS

A. Product Data: For each product indicated.

B. Shop Drawings: Include details of electrified door hardware and wiring diagrams.

C. Samples: For each exposed finish.

D. Door Hardware Schedule: Organized into door hardware sets indicating type, style, function, size, label, hand, manufacturer, fasteners, location, and finish of each door hardware item. Include description of each electrified door hardware function, including sequence of operation.

E. Keying Schedule: Detail Owner's final keying instructions for locks.

F. Product certificates.

1.3 QUALITY ASSURANCE

A. Supplier Qualifications: Person who is or employs a qualified DHI Architectural Hardware Consultant.

B. Source Limitations: Obtain electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that are listed to perform electrical modifications, by a testing and inspecting agency acceptable to authorities having jurisdiction, are acceptable.

C. Keying Conference: Conduct conference at Project site. Incorporate keying conference decisions into final keying schedule.

D. Pre-Installation Conference: Conduct conference at Project site.

E. Keys: Deliver keys to Owner by registered mail.

F. Templates: Obtain and distribute templates for doors, frames, and other work specified to be factory prepared for installing door hardware.

G. Standards: Comply with BHMA A156 series standards, Grade 1.

H. Certified Products: Provide door hardware that is listed in BHMA directory of certified products.

1.4 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fails in materials or workmanship within warranty period from date of Substantial Completion.

1. Warranty Period for Manual Closers: 10 years.
2. Warranty Period for Exit Devices: 3 years.
3. Warranty Period for Locks: 7 years.
4. All other hardware one year.

PART 2 -PRODUCTS

2.1 MANUFACTURERS

A. Product: Subject to compliance with requirements, provide the product named for each door hardware item indicated in Door Hardware Sets.

B. Basis-of-Design Product: Product named for each door hardware item indicated in Door Hardware Sets establishes the basis of design. Provide either the named product or a comparable product by one of the manufacturers specified for each type of hardware item.

C. Manufacturers Used in the specification:

Products	**Manufacture Specified**	**Acceptable Equals**
Hinges	Ives	Hager, Stanley
Continuous Hinges	Ives	Roton, Select
Locksets	Schlage L9000/ND	No substitutions
Closers	LCN 4040XP	No substitutions

Overhead Stops	Glynn Johnson	Rixson, Sargent
Push/Pulls, Stops	Ives	Hager, Rockwood
Flushbolts	Ives	Hager, Rockwood
Thresholds/Seals	Zero	Hager, National Guard
Power	Von Duprin/Schlage	No substitutions
Transfers/Supplies	Electronics	
Cylinders	Schlage	No substitutions

2.2 DOOR HARDWARE

A. Scheduled Door Hardware: Provide door hardware according to Door Hardware Sets at the end of Part 3. Manufacturers' names are abbreviated.

2.3 HINGES

A. General: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

B. Hinge Base Metal: Unless otherwise indicated, provide the following:

1. Exterior Hinges: Stainless steel, with stainless-steel pin.
2. Interior Hinges: Steel, with steel pin.
3. Hinges for Fire-Rated Assemblies: Steel, with steel pin.

C. Non-removable Pins: Provide set screw in hinge barrel that prevents removal of pin while door is closed; for out-swinging exterior doors.

D. Screws: Phillips flat-head screws; screw heads finished to match surface of hinges.

E. Metal Doors and Frames: Machine screws (drilled and tapped holes).

2.4 MECHANICAL LOCKS AND LATCHES

A. Cylindrical Locks:

1. Locks shall be ANSI A156.2, Series 4000 Grade 1 UL Listed for 3-hour doors. Manufactured from heavy gauge cold rolled steel mechanisms that are corrosion treated for normal conditions.
2. Locks to have standard 2-3/4” backset with a full 1/2" reversible dead latch. Thru-bolted mounting post for positive interlock to the door with concealed mounting screws.

3. Lever trim shall be pressure cast zinc to match finishes. The design specified, with 3-7/16" diameter roses. Trim shall be applied by "no exposed screws".

2.5 BOLTS

Shall have forged bronze faceplate with extruded brass lever wrought brass guide and strike. Flush bolts for hollow metal doors shall be extension rod type door up to 7'6" in height shall have 12" steel or brass rods, manual flush bolts for doors over 7'6" in height shall be increased by 6" for each additional 6" of door height. Wood doors shall have corner-wrap type. Provide dust proof strikes for all bottom bolts.

2.6 CLOSERS

A. Surface-Mounted Closers:

B. Spring power shall be continuously adjustable over the full range of closer sizes, and allow for reduced opening force for the physically handicapped. Hydraulic regulation shall be by tamper-proof, non-critical valves. Closers shall have separate adjustment for latch speed, general speed, and back check.

C. All closers will not be seen on the public side or hallway side of the door. The appropriate drop plate or mounting plates will be used as conditions dictate.

2.7 PROTECTIVE TRIM UNITS

A. Protective Trim Units: Sized 2" inches less than door width on push side and 1" inch less than door width on pull side, by height scheduled or indicated. Fasten with exposed machine or self-tapping screws.

2.8 STOPS AND HOLDERS

A. Stops and Holders: Provide floor stops for doors, unless wall or other type stops are scheduled or indicated. Do not mount floor stops where they will impede traffic. Where floor or wall stops are not appropriate, provide overhead holders.

B. Silencers for Door Frames: Neoprene or rubber; fabricated for drilled-in application to frame.

2.9 DOOR GASKETING AND THRESHOLDS

A. Door Gasketing: Provide continuous weather-strip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide non-corrosive fasteners for exterior applications and elsewhere as indicated.

2.10 CYLINDERS, KEYING, AND STRIKES

A. Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.

B. Keying System: Owner's existing Schlage factory-registered keying system; grand master key system.

2.11 FABRICATION

A. Base Metals: Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18 for finishes. Do not furnish manufacturer's standard materials if different from specified standard.

B. Fasteners: Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated. Provide steel machine or wood screws or steel through bolts for fire-rated applications.

C. Spacers or Sex Bolts: For through bolting of hollow metal doors.

D. Fasteners for Wood Doors: Comply with requirements of DHI WDHS.2, "Recommended Fasteners for Wood Doors."

E. Finishes: Comply with BHMA A156.18.

PART 3 -EXECUTION

3.1 INSTALLATION

A. Examine doors and frames for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

B. Steel Door and Frame Preparation: Comply with DHI A115 series. Drill and tap doors and frames for surface-applied hardware according to SDI 107.

C. Wood Door Preparation: Comply with DHI A115-W series.

D. Mounting Heights: Comply with the following requirements, unless otherwise indicated:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."
3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

E. Adjust and reinforce attachment substrates as necessary for proper installation and operation. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

1. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with accessibility requirements.

1. Door Closers: Adjust sweep period so that from an open position of 70 degrees, the door will take at least three seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.

3.2 FIELD QUALITY CONTROL

A. Inspections: Owner will engage a qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

3.3 DOOR HARDWARE SETS

HARDWARE GROUP NO. 01

FOR USE ON DOOR #(S):

1-A 1-B 1-TL 2-A 2-B 2-TL

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8302 10" 6" X 16"	630	IVE
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 02

FOR USE ON DOOR #(S):

1-C 2-C 3-C

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CASED OPENING	NO HARDWARE REQUIRED		

HARDWARE GROUP NO. 03

FOR USE ON DOOR #(S):

3-TL

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9040 17A L583-363 L283-722	626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 04

FOR USE ON DOOR #(S):

3-B

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9040 17A L583-363 L283-722	626	SCH
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 05

FOR USE ON DOOR #(S):

3-E

PROVIDE EACH OPENING WITH THE FOLLOWING:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	SET	AUTO FLUSH BOLT	FB31P/FB41P (AS REQ'D)	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80BDC SPA	626	SCH
1	EA	CYLINDER/PERMANENT CORE	MATCH OWNER'S EXISTING KEY SYSTEM	626	SCH
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
2	EA	SURFACE CLOSER	4040XP CUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	SET	MEETING STILE	328AA-S	AA	ZER
2	EA	GASKETING	488SBK PSA	BK	ZER
1	EA	NOTE	ASTRAGAL BY DOOR SUPPLIER		B/O

END OF SECTION

SECTION 092216 - NON-STRUCTURAL METAL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Non-load-bearing steel framing systems for interior partitions.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.3 INFORMATIONAL SUBMITTALS

A. Product Certificates: For each type of code-compliance certification for studs and tracks.

B. Evaluation reports for embossed, high-strength steel studs and tracks firestop tracks post-installed anchors and power-actuated fasteners.

1.4 QUALITY ASSURANCE

A. Code-Compliance Certification of Studs and Tracks: Provide documentation that framing members are certified according to the product-certification program of the Certified Steel Stud Association, the Steel Framing Industry Association, or the Steel Stud Manufacturers Association.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: For fire-resistance-rated assemblies that incorporate non-load-bearing steel framing, provide materials and construction identical to those tested in assembly indicated, according to ASTM E119 by an independent testing agency.

B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated on Drawings, according to ASTM E90 and classified according to ASTM E413 by an independent testing agency.

2.2 FRAMING SYSTEMS

A. Framing Members, General: Comply with ASTM C754 for conditions indicated.

1. Steel Sheet Components: Comply with ASTM C645 requirements for steel unless otherwise indicated.
2. Protective Coating: ASTM A653/A653M, G40 or Coating with equivalent corrosion resistance of ASTM A653/A653M, G40, hot-dip galvanized unless otherwise indicated.

B. Studs and Tracks: ASTM C645. Use either conventional steel studs and tracks or embossed, high-strength steel studs and tracks.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. ClarkDietrich.
b. Jaimes Industries.
c. Marino\WARE.
d. SCAFCO Steel Stud Company.
e. Steel Network, Inc. (The).

2. Minimum Base-Steel Thickness: As required by performance requirements for horizontal deflection, but not less than 20 ga.
3. Depth: As indicated on Drawings.

C. Slip-Type Head Joints: Where indicated, provide one of the following:

1. Clip System: Clips designed for use in head-of-wall deflection conditions that provide a positive attachment of studs to tracks while allowing 3-inch minimum vertical movement.

a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1) ClarkDietrich.
2) Fire Trak Corp.
3) SCAFCO Steel Stud Company.
4) Steel Network, Inc. (The).

2. Single Long-Leg Track System: ASTM C645 top track with 2-inch-deep flanges in thickness not less than indicated for studs, installed with studs friction fit into top track and with continuous bridging located within 12 inches of the top of studs to provide lateral bracing.
3. Double-Track System: ASTM C645 top outer tracks, inside track with 2-inch-deep flanges in thickness not less than indicated for studs and fastened to studs, and outer track sized to friction-fit over inner track.
4. Deflection Track: Steel sheet top track manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above; in thickness not less than indicated for studs and in width to accommodate depth of studs.

a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1) ClarkDietrich.
2) SCAFCO Steel Stud Company.
3) Steel Network, Inc. (The).

D. Firestop Tracks: Top track manufactured to allow partition heads to expand and contract with movement of structure while maintaining continuity of fire-resistance-rated assembly indicated; in thickness not less than indicated for studs and in width to accommodate depth of studs.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. ClarkDietrich.
b. Fire Trak Corp.
c. SCAFCO Steel Stud Company.
d. Steel Network, Inc. (The).

E. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. ClarkDietrich.
b. Marino\WARE.
c. SCAFCO Steel Stud Company.
d. Steel Network, Inc. (The).

2. Minimum Base-Steel Thickness: As required for appropriate blocking strength and pull-out resistance, but not less than 0.0179 inch.

F. Hat-Shaped, Rigid Furring Channels: ASTM C645.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. ClarkDietrich.
b. Jaimes Industries.
c. SCAFCO Steel Stud Company.

2. Minimum Base-Steel Thickness: 0.0179 inch.
3. Depth: As indicated on Drawings.

G. Resilient Furring Channels: 1/2-inch-deep, steel sheet members designed to reduce sound transmission.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

a. ClarkDietrich.
b. Marino\WARE.
c. SCAFCO Steel Stud Company.

2. Configuration: Asymmetrical.

H. Cold-Rolled Furring Channels: 0.053-inch uncoated-steel thickness, with minimum 1/2-inch-wide flanges.

1. Depth: As indicated on Drawings.
2. Furring Brackets: Adjustable, corrugated-edge-type steel sheet with minimum uncoated-steel thickness of 0.0329 inch.
3. Tie Wire: ASTM A641/A641M, Class 1 zinc coating, soft temper, 0.062-inch-diameter wire, or double strand of 0.048-inch-diameter wire.

2.3 AUXILIARY MATERIALS

A. General: Provide auxiliary materials that comply with referenced installation standards.

1. Fasteners for Steel Framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten steel members to substrates.

B. Isolation Strip at Exterior Walls: Provide the following:
1. Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch thick, in width to suit steel stud size.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Installation Standard: ASTM C754.
1. Gypsum Board Assemblies: Also comply with requirements in ASTM C840 that apply to framing installation.

B. Install framing and accessories plumb, square, and true to line, with connections securely fastened.

C. Install supplementary framing, and blocking to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.

D. Install bracing at terminations in assemblies.

E. Do not bridge building control and expansion joints with non-load-bearing steel framing members. Frame both sides of joints independently.

3.2 INSTALLING FRAMED ASSEMBLIES

A. Install framing system components according to spacings indicated, but not greater than spacings required by referenced installation standards for assembly types.

B. Where studs are installed directly against exterior masonry walls or dissimilar metals at exterior walls, install isolation strip between studs and exterior wall.

C. Install studs so flanges within framing system point in same direction.

D. Install tracks at floors and overhead supports. Extend framing full height to structural supports or substrates above suspended ceilings except where partitions are indicated to terminate at suspended ceilings. Continue framing around ducts that penetrate partitions above ceiling.

1. Slip-Type Head Joints: Where framing extends to overhead structural supports, install to produce joints at tops of framing systems that prevent axial loading of finished assemblies.
2. Door Openings: Screw vertical studs at jambs to jamb anchor clips on door frames; install track section (for cripple studs) at head and secure to jamb studs.

    a. Install two studs at each jamb unless otherwise indicated.
    b. Install cripple studs at head adjacent to each jamb stud, with a minimum 1/2-inch clearance from jamb stud to allow for installation of control joint in finished assembly.
    c. Extend jamb studs through suspended ceilings and attach to underside of overhead structure.

3. Other Framed Openings: Frame openings other than door openings the same as required for door openings unless otherwise indicated. Install framing below sills of openings to match framing required above door heads.
4. Fire-Resistance-Rated Partitions: Install framing to comply with fire-resistance-rated assembly indicated and support closures and to make partitions continuous from floor to underside of solid structure.

    a. Firestop Track: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.

5. Sound-Rated Partitions: Install framing to comply with sound-rated assembly indicated.

E. Direct Furring:

1. Screw to wood framing.
2. Attach to concrete or masonry with stub nails, screws designed for masonry attachment, or powder-driven fasteners spaced 24 inches o.c.

F. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch from the plane formed by faces of adjacent framing.

END OF SECTION 092216

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Yeager Airport Restroom Renovations

BUILDING	DOOR NUMBERS	HWSET #
	1-A	01
	1-B	01
	1-C	02
	1-TL	01
	2-A	01
	2-B	01
	2-C	02
	2-TL	01
	3-B	04
	3-C	02
	3-E	05
	3-TL	03

Yeager Airport Restroom Renovations

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