CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 5

DATE: **March 15, 2021**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **Grand Junction Fire Department Fire Station #3 Construction IFB-4889-21-DH**

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Q. Is the City looking to contract AV scope of work out directly? Are you accepting bids for this at this time, or will this be a bid out at a later date?

   A. The City is not aware of any AV need at this station that belongs to the City.

2. For clarification, the reference to the "HVAC Air-Distribution System" on Addendum 4 number 3 should be "HVAC Air Cleaning Units." Number 3 should be read as "As a reminder, the City will be providing the HVAC Air Cleaning Units and the Washer/Extractor as stated in Appendix B2: Project Manual – Vol02 and Appendix C: Construction Drawings. The Contractor will install these elements during construction of the Fire Station."

3. Is the wire mesh locker system shown in the Bunker Gear Room #134 to be furnished and installed by the contractor?

   A. The wire mesh storage lockers in Room 134 shall be furnished and installed by the contractor. Please make the following changes to the Construction Documents:

   - On Sheet A1-1, change keynote 10-1 to read: "Wire Mesh Storage Lockers".
   - In Project Manual, Volumes 1 and 2, add Section 10 51 43 – Wire Mesh Storage Lockers to Table of Contents.
   - In Project Manual, Volume 1, add Section 10 51 43 – Wire Mesh Storage Lockers as attached.

4. Is the extractor washer drainpipe large enough for the flows from the washer?

   A. The drainpipe has been called out on sheet P1-1 as 4" dia. See attached revised drawing. The 3" floor sink will work at this location to drain the extractor washer.

5. Please see attached revised Architectural Sheets A3-6 and A3-9:
   - Revised Detail 1/A3-6 on sheet A3-6, to include dimension string from roof surface to bottom of fiber cement siding.

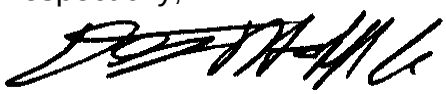
- Added Detail 10/A3-9 and Detail 11/A3-9 to sheet A3-9 for roof flashing detail to brick wall above roof.

6. Please see attached revised Plumbing and Electrical Sheets P1-1, P3-2 and E1-3. These clouded changes are in response to comments from the Building Department.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

SECTION 10 51 43
WIRE MESH STORAGE LOCKERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Design, fabrication and installation of wall mounted and free-standing turnout gear lockers as specified herein.

1.02 RELATED SECTIONS

A. Section 03 30 00 - Cast-In-Place Concrete, for mounting surface for free-standing lockers.

B. Section 04 22 00 - Concrete Unit Masonry, for mounting surface for wall-mounted lockers.

1.03 SUBMITTALS

A. Product Data: Submit manufacturer's product data and installation instructions.

B. Shop Drawings: Submit manufacturer's shop drawings for each individual run of lockers.

C. Samples: Submit manufacturer's standard color samples.

D. Owner's Manual: Provide maintenance manual at closeout.

E. Warranty: Submit manufacturer's standard warranty.

1.04 QUALITY ASSURANCE

A. Manufacturer shall have a minimum of five years experience in the direct manufacture of lockers.

B. Installer Qualifications: Installer shall have experience necessary to assure lockers are installed properly and according to manufacturer's instructions.

C. Reference:
   1. ASTM A513 – Minimum properties of Electric-Resistance-Welded Carbon Allow Steel Mechanical Tubing.
   2. ASTM A510 – Minimum properties of Wire Rods and Coarse Round Wire, Carbon Steel and Alloy Steel.

1.05 DELIVERY, STORAGE AND HANDLING

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers with labels identifying product and manufacturer's name.

B. Storage: Store materials in a clean dry area.

C. Handling: Protect materials and finish during installation and handling to prevent damage.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Acceptable Manufacturers: Subject to compliance with requirements of the contract documents, acceptable manufacturer's are as follows:
   1. GearGrid Corporation, 670 SW 15th Street, Forest Lake, MN 55025. Toll-free 888-643-6694. Phone 651-464-4468. Fax 651-464-4780. Web site www.geargrid.com. Email sales@geargrid.com.
   2. Additional manufacturer's may be approved, however approval does not preclude the manufacturer from providing documentation supporting their product meets or exceeds all aspects of this specification section. Failure to provide proper documentation will result in the rejection of submitted product.

2.02 TURNOUT GEAR LOCKER FABRICATION

A. Lockers must be fabricated and manufactured in the U.S.A. Products not manufactured in the U.S.A will be rejected at the time of submittals.

B. Model: GEARGRID Wall Mounted and Free-Standing Storage Systems.

C. Locker Sizes:
   1. Super Jumbo 24”: Overall dimension- 74.5” high x 25.25” wide x 24” deep.
      a. Clear Opening Width: 22.75”.

D. Construction: Units shall be welded at all applicable joints. Forming of metal shall be completed by standard cold-forming operations. Use of fasteners will only be required to allow for knock-down shipping, securing units to mounting surface and on applicable accessories.

E. Vertical Dividers:
   1. Outer Frames: 1.25” O.D. x 16 gauge wall thickness ASTM A513 steel tubing.
   2. Inner Grid: 0.25” diameter ASTM 510 cold drawn steel wire resistance welded to a 3” square pattern.
   3. Inner Grid wires must be full length and width of inside vertical divider frame. Wires not running full length or width, thus creating exposed wire ends will not be acceptable.
   4. Inner Grid wires must run horizontally and vertically creating a square or rectangular grid pattern only. Grid wires not creating a square or rectangular grid pattern will not be acceptable.
   5. Inner Grid wires shall intersect and cross all perpendicular wires, and shall be welded at all intersections.

F. Back Panel:
   1. Required on each locker to protect the locker contents and wall substrate, as well as provide an additional panel for accessory attachment.
   2. Grid: 0.25” diameter ASTM 510 cold drawn steel wire resistance welded to a 3” square pattern.
   3. Back panel must engage and be secured to vertical dividers via horizontal wires which extend into mounting holes pre-drilled in vertical dividers. Back panels are sandwiched between vertical dividers, preventing them from being removed after assembly is complete.
   4. Inner Grid wires must be full length and width of inside vertical divider frame. Wires not running full length or width, thus creating exposed wire ends will not be acceptable.
   5. Inner Grid wires must run horizontally and vertically creating a square or rectangular grid pattern only. Grid wires not creating a square or rectangular grid pattern will not be acceptable.
   6. Inner Grid wires shall intersect and cross all perpendicular wires, and shall be welded at all intersections.

G. Shelves: (1) Upper, (1) Lower. 0.25” diameter ASTM 510 cold drawn steel wire resistance welded and cold formed. Upper shelf shall include an integrated 20 gauge steel bracket to accept a 2” x 16” name placard, unless doors are selected as an option, in which case the name placard will be integrated into the door.

H. Apparel Hooks: (4) per locker opening. .192” diameter ASTM 510 cold drawn steel wire resistance welded, cold formed and powder coated. Apparel hooks must securely engage and snap onto side or back grid, to prevent unintentional disengagement of hook.

2.03 ACCESSORIES

A. Tubular Frame Wall Structure:
   1. Model: Tubular Frame Wall Structure Units
   2. Tubular Frame Wall Structures are engineered specifically for each installation and are designed to ship in a knocked-down configuration for efficient shipping. Wall structure components are bolted together with hardware as supplied or identified.
   3. Construction: Units shall be welded at all applicable joints. Forming of metal shall be completed by standard cold-forming operations. Use of fasteners will only be required to allow for knock-down shipping, securing units to mounting surface and on applicable accessories.
      a. Vertical Posts: 4” x 4”, 0.250” wall thickness ASTM A513 steel tube.

b. Floor Mounting Plates: ½” steel plate welded to Vertical Posts. 3/8” mounting holes as needed.
c. Mounting plate hole configurations subject to locker layout.
d. Horizontal Frames: 4” x 4”, 0.1875” wall thickness ASTM A513 steel tube. Frames mechanically fastened to Vertical Posts with supplied or identified hardware.
    1) Note: If PowerBars (Electric Raceway) are used, top Horizontal Frame will be 6” high x 4” wide, 0.1875” wall thickness steel tube.

2.04 FINISH

A. General: All system components excluding assembly and mounting hardware and stainless steel components are to receive the standard finish.

B. Standard Finish: Components to be cleaned using a phosphatized bath, clear water rinse and electro-statically coated with a durable and UV-stable TGIC powder coating process. Thickness of applied finish shall be 3 – 4 mm for added protection.
    1. Anti-Corrosive Primer: (Optional)

C. Color: To be selected from manufacturer's standard colors.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine area to receive lockers. Notify architect if area are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

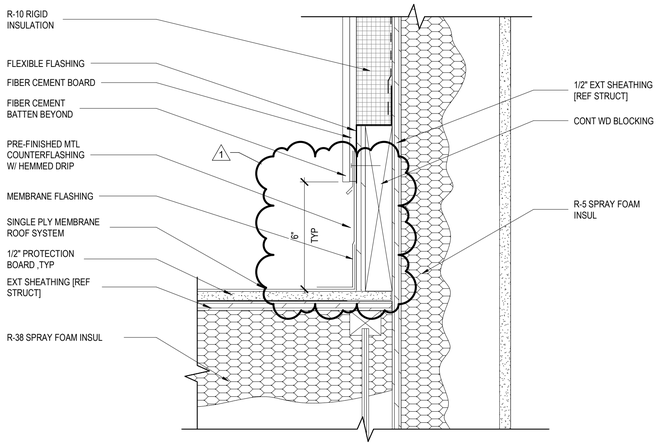
3.02 INSTALLATION

A. Install lockers in accordance with manufacturer’s instructions.

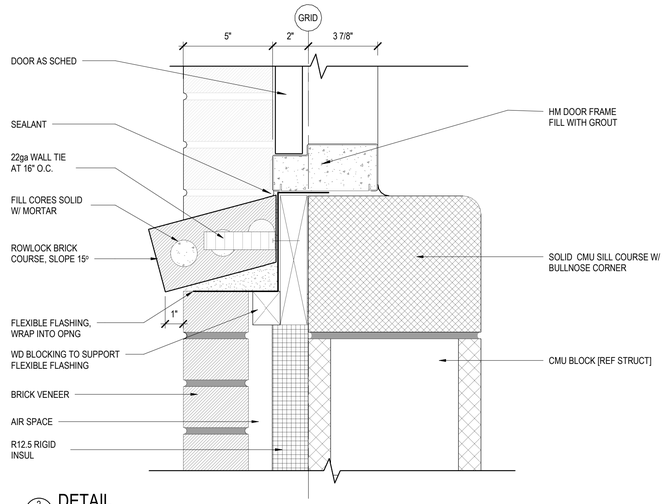
B. Use manufacturer’s hardware for assembly.

C. Anchor to mounting surface with proper hardware.

END OF SECTION



1 A3-6 DETAIL
3" = 1'-0"



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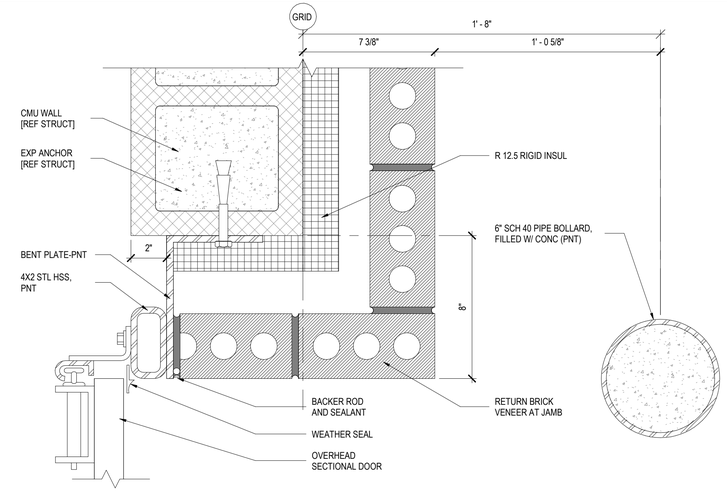
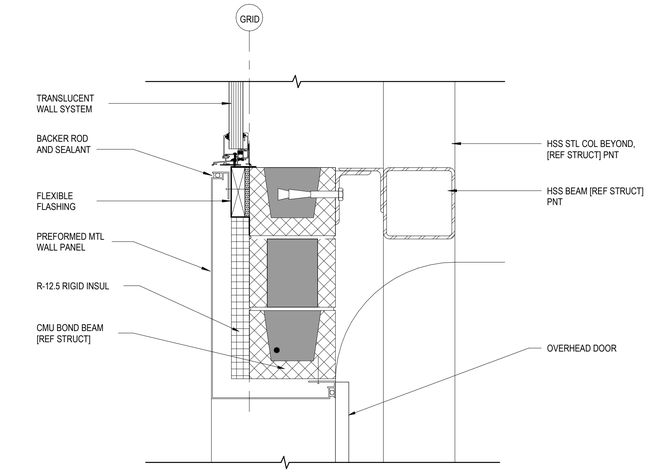
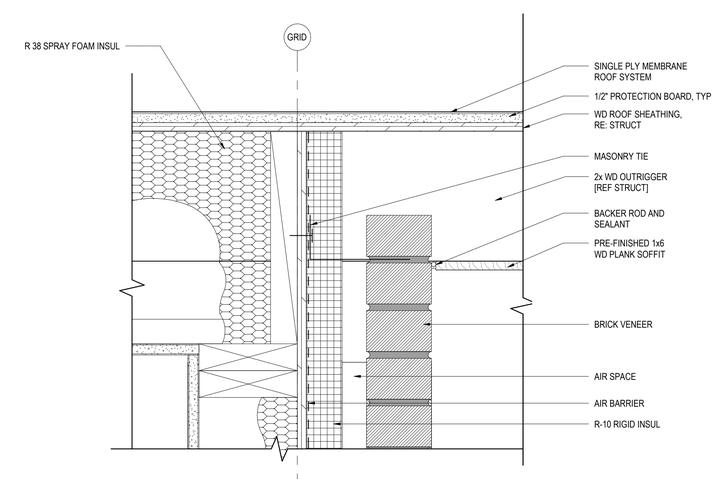


3 A3-6 JAMB AT OVERHEAD DOOR
3" = 1'-0"



4 A3-6 DETAIL
1 1/2" = 1'-0"



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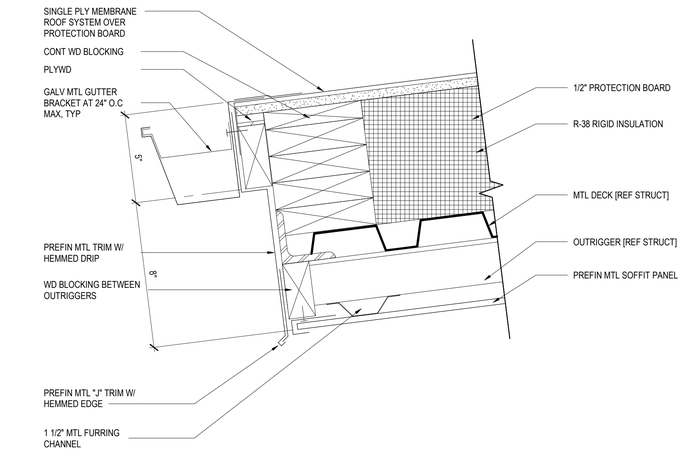
3" = 1'-0"



6 A3-6 DETAIL
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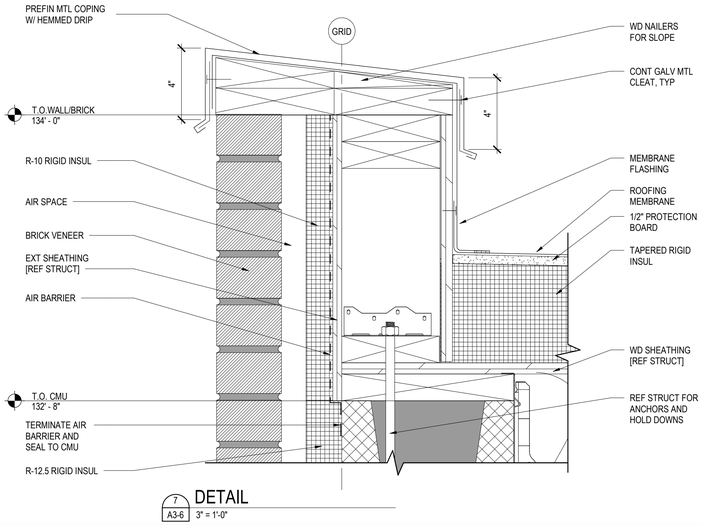
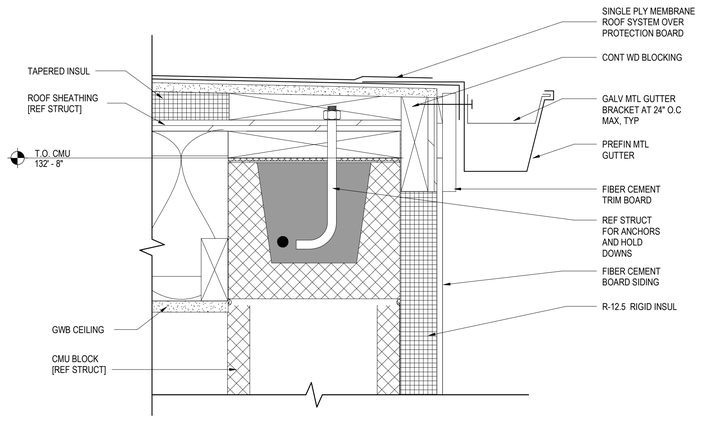
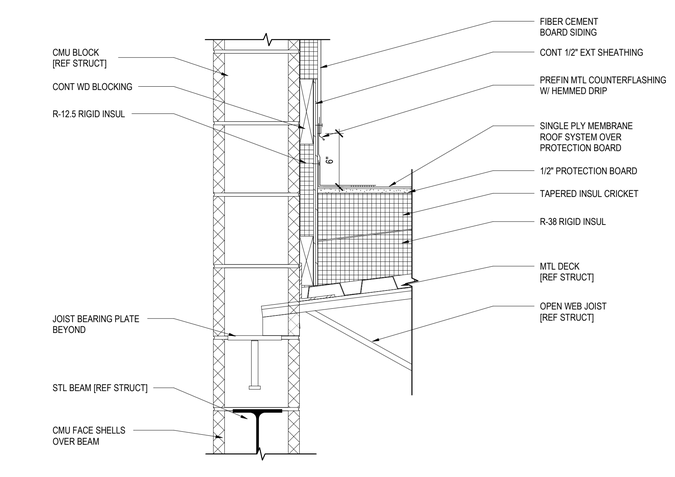


7 A3-6 DETAIL
3" = 1'-0"



8 A3-6 DETAIL
3" = 1'-0"



9 A3-6 DETAIL
1 1/2" = 1'-0"

Project Team:
Print Date: 3/12/2021 7:15:34 AM

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Project Management
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BLYTHE GROUP + co.

GRAND JUNCTION FIRE DEPARTMENT FIRE STATION #3

582 25 1/2 RD GRAND JUNCTION, COLORADO 81505

EXTERIOR DETAILS

FOR CONSTRUCTION

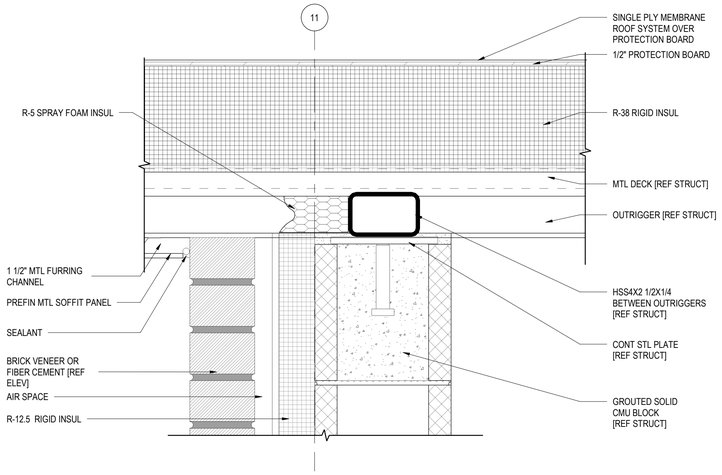
REV.	DESC.	DATE:
1	ADD 5	3/12/2021

DATE: 2/25/2021

PROJECT #: 2072

SHEET #:

A3-6



1 A3-9 EXTERIOR DETAIL
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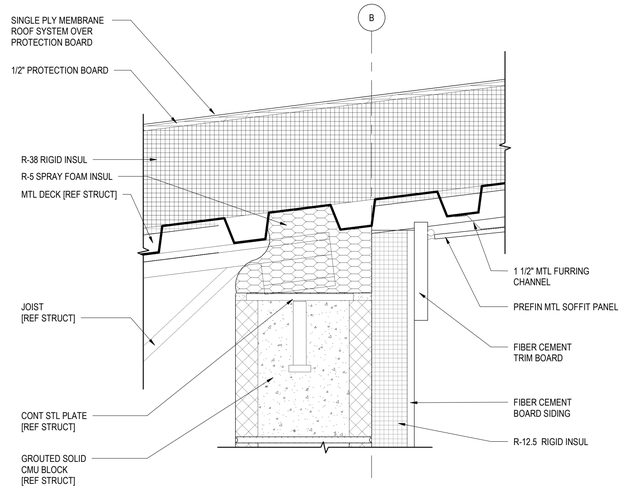

2 A3-9 EXTERIOR DETAIL
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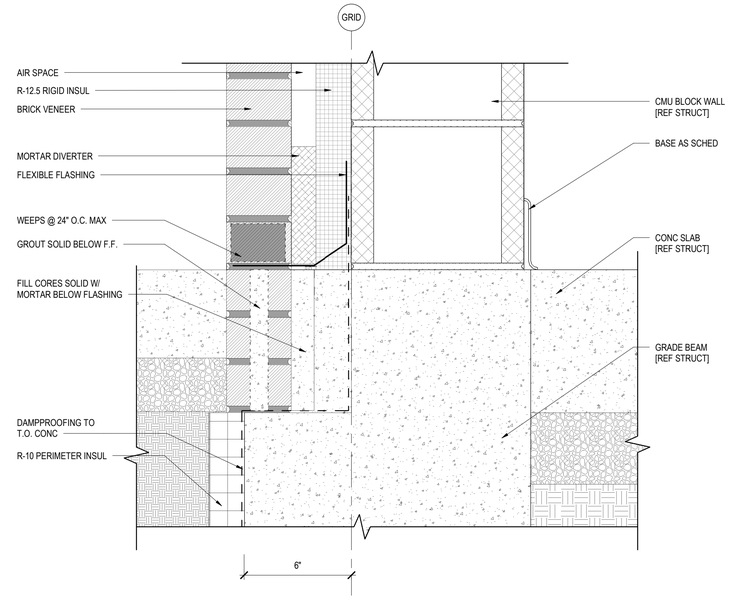

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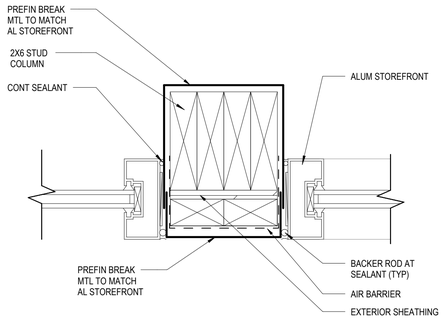
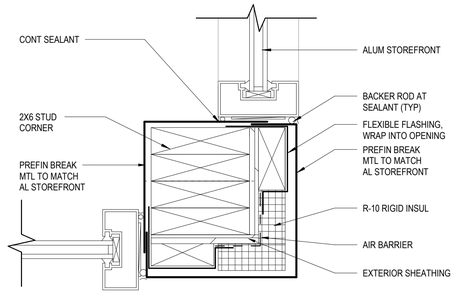
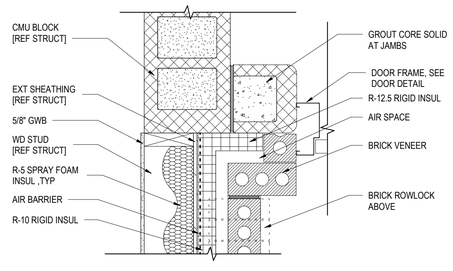


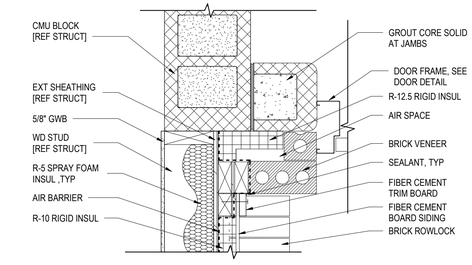
4 A3-9 WINDOW JAMB AT BRAKE MTL
3" = 1'-0"



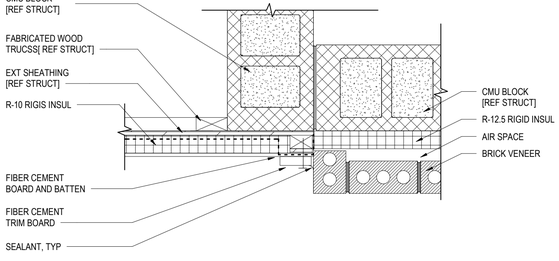
5 A3-9 WINDOW JAMB AT MTL PANEL
3" = 1'-0"



6 A3-9 DETAIL @ BRICK
1 1/2" = 1'-0"



7 A3-9 DETAIL @ FIBER CEMENT SIDING
1 1/2" = 1'-0"



8 A3-9 DETAIL @ FIBER CEMENT SIDING ABOVE LOWER ROOF
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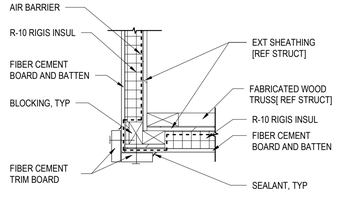

9 A3-9 DETAIL @ FIBER CEMENT SIDING CORNER
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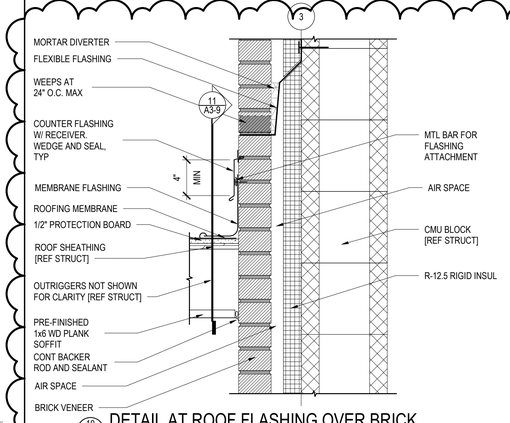
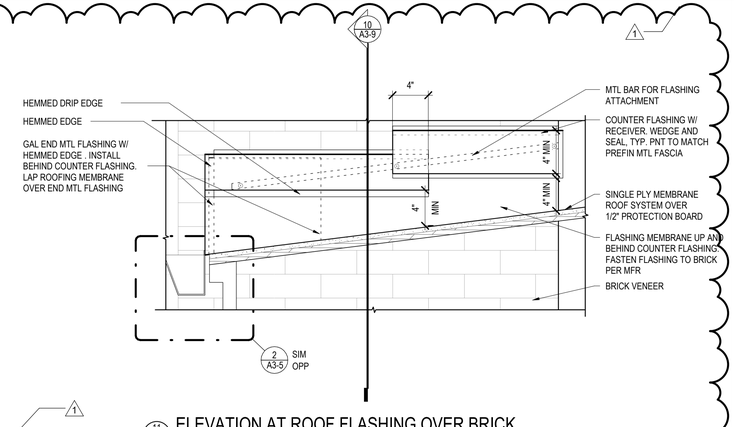


10 A3-9 DETAIL AT ROOF FLASHING OVER BRICK
1 1/2" = 1'-0"



11 A3-9 ELEVATION AT ROOF FLASHING OVER BRICK
1 1/2" = 1'-0"

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GRAND JUNCTION FIRE DEPARTMENT FIRE STATION #3

582 25 1/2 RD GRAND JUNCTION, COLORADO 81505

EXTERIOR DETAILS

FOR CONSTRUCTION

REV.	DESC.	DATE:
1	ADD 5	3/12/2021

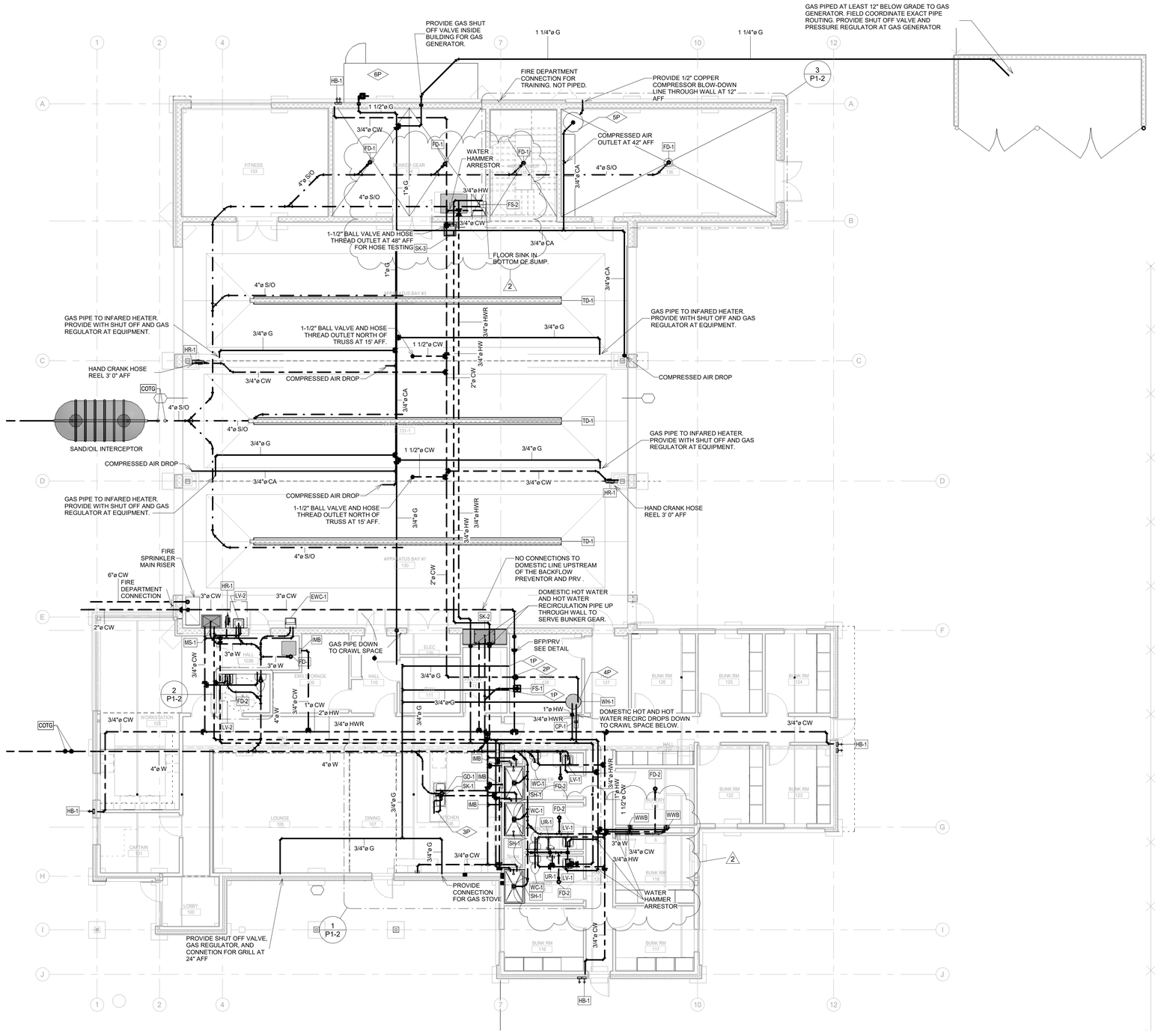
DATE: 2/25/2021

PROJECT #: 2072

SHEET #:

A3-9

Project Team:
Print Date: 3/12/2021 7:15:35 AM



P1-1 PLUMBING KEYNOTES

Note Number	Note Text
1P	GAS PIPE UP FROM CRAWL SPACE TO GAS FURNACE. PROVIDE WITH SHUT OFF VALVE AND MEDIUM TO LOW PRESSURE REGULATOR
2P	DOMESTIC COLD WATER PIPE UP THROUGH MECHANICAL ROOM TO SERVE VEHICLE BAYS
3P	DOMESITC HOT WATER AND SANITARY WASTE PIPES TO SERVE DISHWASHER
4P	GAS PIPE UP FROM CRAWL SPACE TO GAS WATER HEATER. PROVIDE WITH SHUT OFF VALVE AND MEDIUM TO LOW PRESSURE REGULATOR.
5P	PROVIDE WITH QUINCY MODEL QP-5 80 GALLON/5HP AIR COMPRESSOR. COORDINATE POWER WITH ELECTRICAL CONTRACTOR. 230V/3PH MOTOR.
6P	GAS METER LOCATION. GAS METER SIZED FOR MEDIUM PRESSURE. APROXIMATE LONGEST LENGTH IS 165' WITH AN ESTIMATED TOTAL CONNECTED LOAD OF 3248 CFH. FIELD COORDINATE EXACT LOCATION OF METER.

NORTH

PLUMBING - FLOOR PLAN

1/8" = 1'-0"

Project Team: BCE
Print Date: 3/12/2021 12:22:06 PM

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Phone: (970) 422-7676

GRAND JUNCTION FIRE DEPARTMENT - FIRE STATION #3

580 25 1/2 RD GRAND JUNCTION, COLORADO 81505

PLUMBING - FLOOR PLAN

FOR CONSTRUCTION

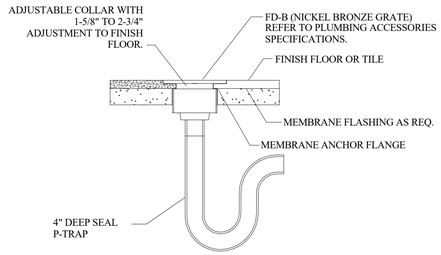
REV.	DESC.	DATE:
2	COMMENTS	03-12-21

DATE: 2-25-2021

PROJECT #: 20-213

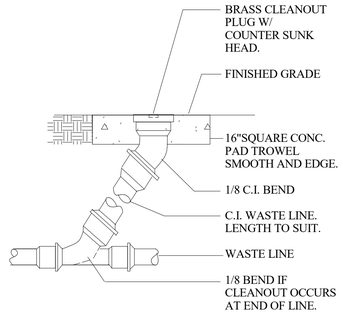
SHEET #:

P1-1



MECHANICAL AREA FLOOR DRAIN

NOT TO SCALE



CLEANOUT TO GRADE

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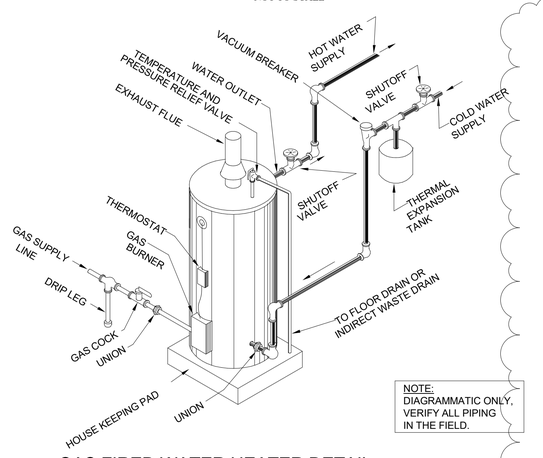
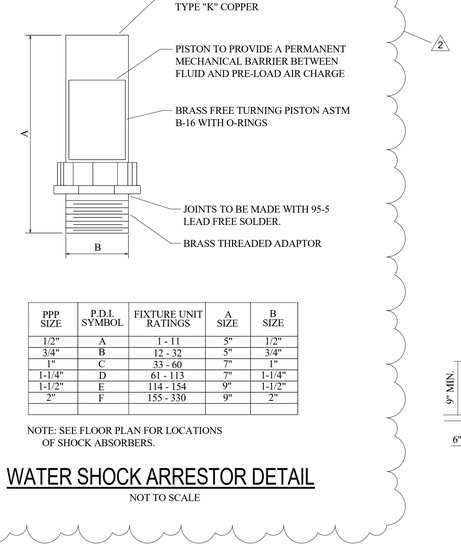


GAS FIRED WATER HEATER DETAIL

NOT TO SCALE



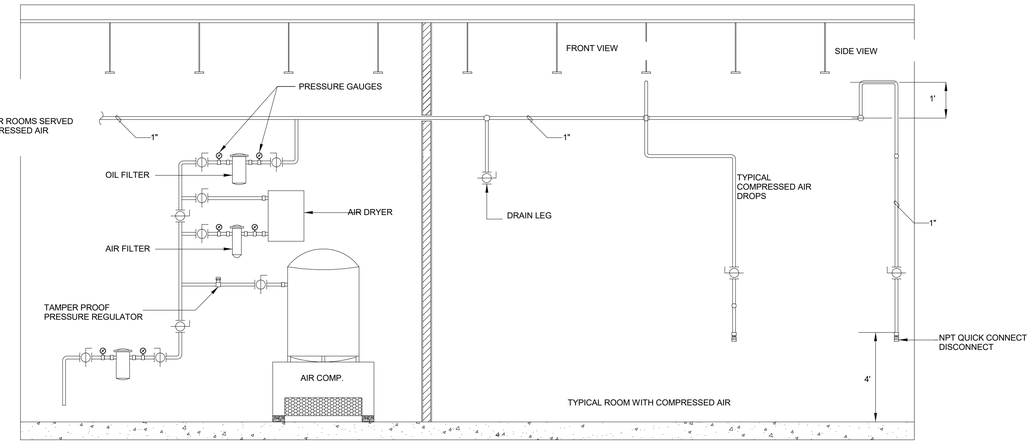
NOTE:
DIAGRAMMATIC ONLY, VERIFY ALL PIPING IN THE FIELD.

PPP SIZE	P.D.I. SYMBOL	FIXTURE UNIT RATINGS	A SIZE	B SIZE
1/2"	A	1 - 11	5"	1/2"
3/4"	B	12 - 32	5"	3/4"
1"	C	33 - 60	7"	1"
1-1/4"	D	61 - 113	7"	1-1/4"
1-1/2"	E	114 - 154	9"	1-1/2"
2"	F	155 - 330	9"	2"

NOTE: SEE FLOOR PLAN FOR LOCATIONS OF SHOCK ABSORBERS.

WATER SHOCK ARRESTOR DETAIL

NOT TO SCALE



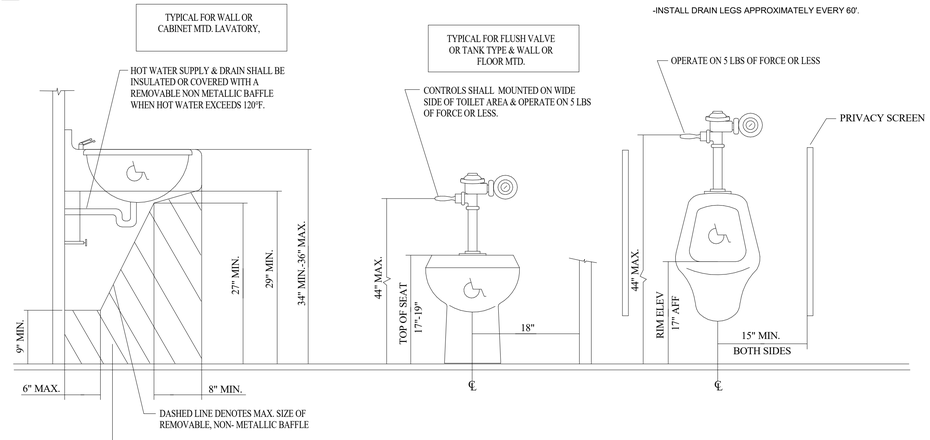
TYPICAL AIR COMPRESSOR SET UP DETAIL
N.T.S.

GENERAL NOTES:

-REQUIRED MAINTENANCE OF FILTERS WHEN PRESSURE DROP ACROSS FILTER IS 10PSI OR GREATER.

-INSTALL COMPRESSED AIR LINES AT A SLOPE OF 1/8" PER FOOT.

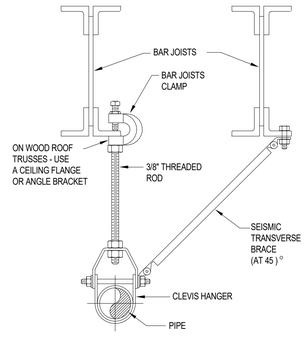
-INSTALL DRAIN LEGS APPROXIMATELY EVERY 60'.



ACCESSIBLE PLUMBING FIXTURE INSTALLATION

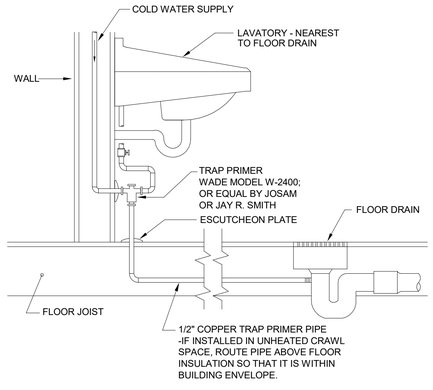
NOT TO SCALE

NOTE:
PROVIDE SEISMIC RESTRAINTS FOR PIPING AS FOLLOWS:
- 1" & 1-1/2" PIPES: 20 FT. ON CENTER
- 2" & 2-1/2" PIPES: 30 FT. ON CENTER
- 3" , 4" & 6" PIPES: 40 FT. ON CENTER



PIPE SUPPORT AND SEISMIC RESTRAINT DETAIL - HORIZONTAL PIPING

NOT TO SCALE



FLOOR DRAIN TRAP PRIMER DETAIL

NOT TO SCALE

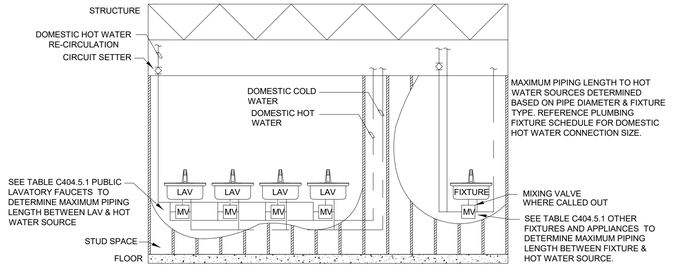


TABLE C404.5.1 PIPING VOLUME AND MAXIMUM PIPING LENGTHS

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES) PER FOOT LENGTH	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4	0.33 = .0026 GAL	4 FT.	50 FT.
5/16	0.5 = .0039 GAL	4 FT.	50 FT.
3/8	0.75 = .0059 GAL	3 FT.	50 FT.
1/2	1.5 = .0117 GAL	2 FT.	43 FT.
5/8	2 = .0156 GAL	1 FT.	32 FT.
3/4	3 = .0234 GAL	0.5 FT.	21 FT.
7/8	4 = .0312 GAL	0.5 FT.	16 FT.
1	5 = .0391 GAL	0.5 FT.	13 FT.
1 1/4	8 = .0625 GAL	0.5 FT.	8 FT.
1 1/2	11 = .0859 GAL	0.5 FT.	6 FT.
2 OR GREATER	18 = .1406 GAL	0.5 FT.	4 FT.

1. FOR 31 INCH = 25.4 MM, 1 FOOT = 304.8 MM, 1 LIQUID OUNCE = 0.0361, 1 GALLON = 128 OUNCES.
2. FOR ALL PUBLIC LAVATORYS CONTRACTOR TO INSTALL HOT WATER SOURCE WITHIN MAXIMUM PIPING LENGTH. ANY OTHER TYPE FIXTURE OR APPLIANCE SHALL HAVE HOT WATER SOURCE WITHING ALTERNATIVE MAXIMUM PIPING LENGHT, SEE TABLE ABOVE.

PLUMBING FIXTURE DOMESTIC HOT WATER RE-CIRCULATION DETAIL

NOT TO SCALE

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GRAND JUNCTION FIRE DEPARTMENT - FIRE STATION #3

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PLUMBING DETAILS

FOR CONSTRUCTION

REV.	DESC.	DATE:
2	COMMENTS	03-12-21

DATE: 2-25-2021

PROJECT #: 20-213

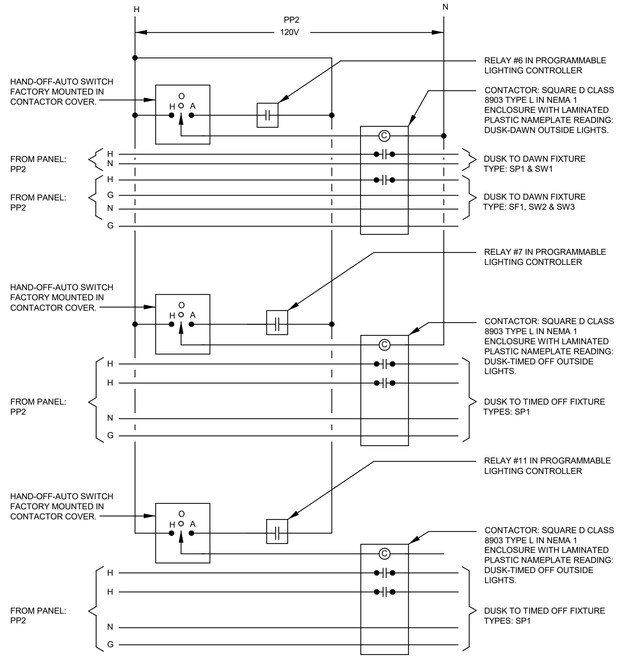
SHEET #:

P3-2

Project Team: BCE
Print Date: 3/12/2021 12:22:07 PM

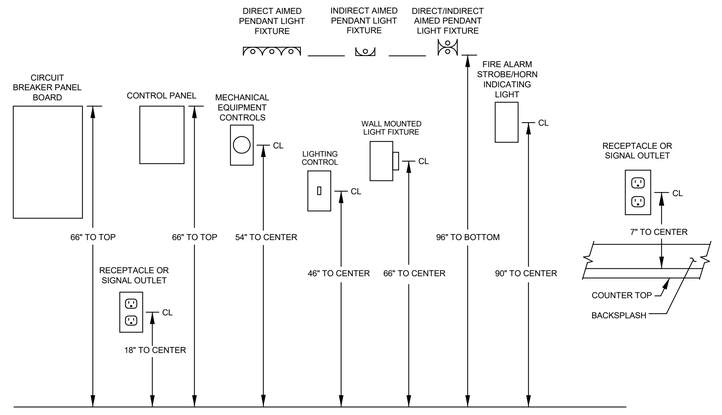
LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	LAMP	DESCRIPTION
D1	PRESCOLITE LIGHTING	LF4SL-4LFSL-20L-35K-8-B6	2000LM, 3500K, 22W, 80CRI, 120V, 0-10V LED DIMMING	RECESSED LED DOWN LIGHT, 0-10V DRIVER, SEMI-DIFFUSE CLEAR ALZAK TRIM, SEMI-DIFFUSE REF. FINISH
D2	PRESCOLITE LIGHTING	LC4SL-4LFSL-20L-35K-8-WW-B6	2000LM, 3500K, 22W, 80CRI, 120V, 0-10V LED DIMMING	RECESSED LED WALL WASH DOWN LIGHT, 0-10V DRIVER, SEMI-DIFFUSE CLEAR ALZAK TRIM, SEMI-DIFFUSE REF. FINISH
EX	COMPASS LIGHTING	CE-CAG	1.5W LED	LED EXIT LIGHT, WHITE HOUSING, GREEN LETTERING, SELF -DIAGNOSTICS, NICKEL CADIUM BATTERY
G1	COLUMBIA LIGHTING	LJT22-35WLG-FS-SFA-EDU-CS88-G2	4265LM,3500K, 42W, 80CRI, 0-10V LED DIMMING	2X2 LED RECESSED GRID TROFFER, WHITE FINISH ON STEEL HOUSING, SMOOTH FROSTED ACRYLIC SHEILDING.
H1 (2)	COLUMBIA LIGHTING	PEL-2-35-MH-FP-W-ED-U-F3CS-LHVOM5	24,320LM, 3500K, 80CRI, 0-10V LED DIMMING,	PELOTON HIGH PERFORMANCE HIGH BAY LED FIXTURE, WIDE DISTRIBUTION, FROSTED POLYCARBONATER LENS, AIRCRAFT CABLE HANGER.
L1	PINNACLE ARCHITECTURAL LIGHTING	EX4D-A-N-835-4'-WA-U-PL2-1	3000LM, 3500K, 28W, 80CRI, 0-10V LED DIMMING	WALL MOUNTED EDGE LINEAR FIXTURE, PROVIDE DOWN SHIELDING WHICH OBSCURES THE LED SOURCE, WHITE FINISH
L2	COLUMBIA LIGHTING	RLW-4-35-LW-4'-FA-W-ED-U	4251LM, 3500K, 34W, 0-10V LED DIMMING	REVALUME™ LINEAR WRAP, WHITE FINISH, FROSTED ACRYLIC SHIELDING.
L3	PINNACLE ARCHITECTURAL LIGHTING	EX1B-A-BW-835HO-835-6-AC48*-U-PL2-1-0-W	723948LM DIRECT, 2772LM INDIRECT, 79W, 80CRI, 0-10V LED DIMMING	6'L EDGE BIDIRECTIONAL LINEAR FIXTURE, SATIN LENS DIRECT SHIELDING, BATWING LENS INDIRECT SHIELDING, 15/16" BEVELED GRID MOUNTING, PROVIDE JUNCTION BOX MOUNTING FOR LIGHT MOUTNED TO GY CEILINGS
L4	COLUMBIA LIGHTING	MPS-4-35-ML-C-W-ED-U	4556LM, 3500K, 40W, 0-10V LED DRIVER	4' MULTIPURPOSE LINEAR LED FIXTURE, FROSTED ACRYLIC LENS, WIDE DISTRIBUTION.
L5	COLUMBIA LIGHTING	LXEM-4-35-HL-4-RP-ED-U	6763LM, 4000K, 80CRI, 44W, 120V	4' LINEAR ROUGH SERVICE WET LISTED IP65 AND IP66 RATED, ACRYLIC LENS
P1	BRUCK LIGHTING	LLED-35K-90-830-MC-PWH	1150LM, 3500K, 90CRI, 14.9W, 0-10V LED DIMMING	MOUTH-BLOWN GLASS PENDANT, CLEAR SHADE, MATTE CHROME FUNISH, WHITE CANOPY AND CABLE,
P2	TECH LIGHTING	700LSSPAN48-S-LED930	3622LM, 3000K, 90CRI, 76W, 0-10V DIMMING	SPAN LINEAR SUSPENSION FIXTURE, SATIN NICKEL FINISH, CABLE HUNG
T1	FINELITE LIGHTING	UC-E-22-S-PS-8W CP-*	380LM, 3500K, 87CRI, 6.1W, 120V, NON DIMMING LED	EDGE UNDER CABINET MOUNTED LIGHT FIXTURE. PROVIDE MOUNTING HARDWARE, DRIVERS, POWER SUPPLIES AND ALL NECESSARY COMPOINENTS. SILVER FINISH.
T2	CONTECH LIGHTING	TLZ24V235K 12R TLP24VHW96 ENC120V; TLCIP19HW TLPDIM10V TLPRPT TLACD6 TLAL*D6 TLACDC4 TLACDE2	358LM/FT, 3500K, 3.5W/FT, 80CRI, 120V LED DIMMING	TL TAPELIGHT SERIES, CLEAR LENS, REFER TO THE ARCHITECT REFELCTED CEILING PLAN FOR RUN LENGTH
T3	CONTECH LIGHTING	TLZ24V235K 12 TLP24VHW20 ENC; TLCIP19HW TLPDIM10V TLPRPT TLACD6 TLAL*D6 TLACDC4 TLACDE2	358LM/FT, 3500K, 3.5W/FT, 80CRI, 120V LED DIMMING	TL TAPELIGHT SERIES, CLEAR LENS, REFER TO THE ARCHITECT REFELCTED CEILING PLAN FOR RUN LENGTH
V1	WAC LIGHTING	WS-77636-3500K-30W-2561-AL	2561LM, 3500K, 30W, 120V , ELV LED DIMMING	3'L BRINK WALL MOUNTED VANITY LIGHT, BRUSHED ALUMINUM FINISH, MOUNT HORZIONTALLY OVER THE BATHROOM MIRROR.
V2	WAC LIGHTING	WS-77624-3500K-30W-2561-AL	1720LM, 3500K, 21W, 120V , ELV LED DIMMING	2'L BRINK WALL MOUNTED VANITY LIGHT, BRUSHED ALUMINUM FINISH, MOUNT HORZIONTALLY OVER THE BATHROOM MIRROR.
W1	CONTECH LIGHTING	BL3JM-WW-NK	70LM, 3000K, 5W LED	LED WALL MOUNTED BED LAMP, JUNCTION BOX MOUNTED. WARM WHITE LAMP COLOR TEMPERTURE, BRUSHED NICKEL FINISH,TOGGLE SWITCH.



EXTERIOR LIGHTING CONTROL

NO SCALE



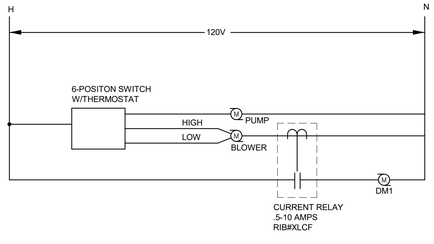
DEFAULT MOUNTING HEIGHTS

NO SCALE

CALCULATE BOX MOUNTING HEIGHT FOR WALL MOUNTED LIGHT FIXTURES USING APPROVED FIXTURE SUBMITTALS.

CALCULATE PENDANT LENGTH FOR HANGING LIGHTING FIXTURES USING APPROVED FIXTURE SUBMITTALS.

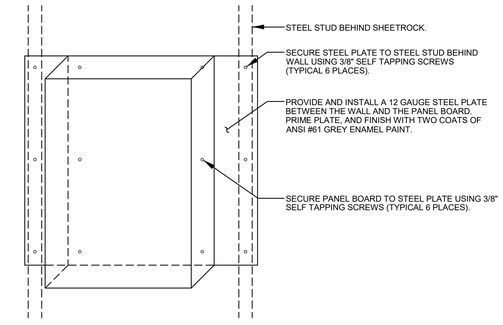
MOUNTING HEIGHTS SHOWN ON THE PLANS, IN ROOM KEYS, OR DEVICE TAGS TAKE PRECEDENCE OVER THE ABOVE.



EC1 / EC2 WIRING DIAGRAM

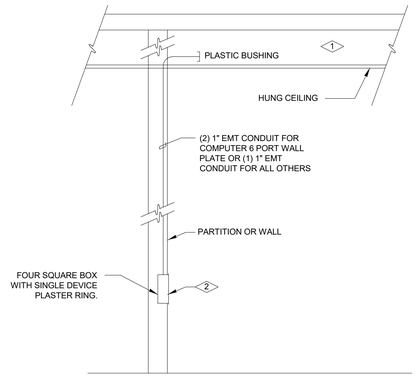
NO SCALE

ADJUST CURRENT RELAY TO OPEN DAMPER WHEN BLOWER MOTOR IS RUNNING AT LOW SPEED.



SEISMIC SUPPORT OF PANELBOARDS

NO SCALE



FLAG NOTES:

1. WIRING TO BE RUN ABOVE CEILING. USE PLENUM RATED CABLE WHERE CEILING SPACE IS USED AS A RETURN PLENUM. SUPPORT FROM STRUCTURE MIN. OF EVERY 6'-0". DO NOT LAY ON CEILING TILE OR ATTACH TO CEILING SUPPORT WIRE SYSTEM UNLESS INSTALLATION CONFORMS TO 2002 NEC 300-11.

2. LOW VOLTAGE OUTLETS (EXAMPLE TELEPHONE, FAX, DATA, ETC..) MOUNT AT 16" A.F.F. UNLESS OTHERWISE NOTED ON THE DRAWINGS, COORDINATE LOCATIONS WITH BASEBOARD, CABINETRY, WINDOWS OR OTHER ITEMS ALONG THE WALLS. REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER.

LOCATE THERMOSTATS AT 60" A.F.F. UNLESS OTHER WISE NOTED ON THE DRAWINGS, COORDINATE LOCATIONS WITH CABINETRY, WINDOWS OR OTHER ITEMS ALONG THE WALLS. REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER.

LOW VOLTAGE OUTLET WIRING DETAIL

NOT TO SCALE

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