Addendum No. 2
February 21, 2022

Twin Falls Fire Station 2

Bid date revised to **February 24, 2022**. Bids due prior to 2:00PM.

This addendum addresses the following:

- Architect Addendum Narrative.
- Revised drawings.
- Starr Corp Pre-Bid RFI responses.
- Approved Substitution Requests.

Attachments:

- Revised Bid Package Descriptions by Starr Corp dated 2/21/22
- Pivot North Addendum No. 2, Dated February 21, 2022

End of Add. No. 2

TWIN FALLS FIRE STATION 2

Bids to Starr Corporation by February 24, 2022 @ 2:00PM — Revised Bid Package Descriptions 2/21/22 (ADD-02)

Bid Package No.	Package Description	Spec Section	Description	Additional Comments - (All items include material, labor, and equipment for installation, except as noted otherwise)
BP-01 CONCRETE				
01	CONCRETE	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
01	CONCRETE	031000	Concrete Forming and Accessories	
01	CONCRETE	032000	Concrete Reinforcing	Provide and install all concrete reinforcement to include but not limited to rebar, remesh, smooth dowel rods, fibermesh, etc.
01	CONCRETE	033000	Cast-In-Place Concrete	Provide and install concrete footings, stem walls, slabs, curbs of all types, sidewalks, sign post bases, flatwork @ utility structures, light poles bases, sign bases, site furnishings bases, etc. NOTE: Site Fence post concrete bases by Others. Install steel bollards provided by Others.
01	CONCRETE	051200	Structural Steel Framing	High-strength grouting of column bases included in this scope of work.
01	CONCRETE	321313	Concrete Paving	All concrete driveway & parking lot areas. Include joint sealants in this scope of work.
01	CONCRETE	071113	Bituminous Dampproofing	Provide foundation dampproofing in this scope of work.
01	CONCRETE	072100	Thermal Insulation	Provide foundation insulation for this scope of work.
01	CONCRETE	079005	Joint Sealers	Applicable to this scope of work.
BP-02 POLISHED CONCRETE FINISHING				
02	POLISHED CONCRETE FINISHING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
02	POLISHED CONCRETE FINISHING	033536	Polished Concrete Finishing	
02	POLISHED CONCRETE FINISHING	079005	Joint Sealers	Applicable to this scope of work.
BP-03 MASONRY				
03	MASONRY	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
03	MASONRY	042000	Unit Masonry	
03	MASONRY	042200	Concrete Unit Masonry	
BP-04 STRUCTURAL STEEL: SUPPLY & INSTALL (ADD-01)				
04	STRUCTURAL STEEL	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
04	STRUCTURAL STEEL	050513	Shop - Applied Coatings for Metal	
04	STRUCTURAL STEEL	051200	Structural Steel Framing	Grouting of column bases by Others.
04	STRUCTURAL STEEL	055000	Metal Fabrications	Supply steel pipe bollards to be installed by Others.
BP-04a STRUCTURAL STEEL: INSTALL, ONLY (ADD-01)				
04	STRUCTURAL STEEL	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
04	STRUCTURAL STEEL	050513	Shop - Applied Coatings for Metal	
04	STRUCTURAL STEEL	051200	Structural Steel Framing	Grouting of column bases by Others.
04	STRUCTURAL STEEL	055000	Metal Fabrications	Supply steel pipe bollards to be installed by Others.
BP-04b STRUCTURAL STEEL: SUPPLY, ONLY (ADD-01)				
04	STRUCTURAL STEEL	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
04	STRUCTURAL STEEL	050513	Shop - Applied Coatings for Metal	
04	STRUCTURAL STEEL	051200	Structural Steel Framing	
04	STRUCTURAL STEEL	055000	Metal Fabrications	Supply steel pipe bollards to be installed by Others.
BP-05 ROUGH CARPENTRY				
05	ROUGH CARPENTRY	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
05	ROUGH CARPENTRY	061000	Rough Carpentry	
05	ROUGH CARPENTRY	061600	Sheathing	
05	ROUGH CARPENTRY	061753	Shop-Fabricated Wood Trusses	
05	ROUGH CARPENTRY	062000	Finish Carpentry	ADD-01: Supply & install exterior wood soffits at canopies. Refer to Spec Section 062000-2; 2.3; B; 1 - 7.
05	ROUGH CARPENTRY	119000	Equipment	Supply & install appliances (C.F.C.I.) in this section.
BP-06 CASEWORK				

06	CASEWORK	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
06	CASEWORK	062000	Finish Carpentry	ADD-01: Excludes Spec Section 062000-2; 2.3; B; 1 - 7 regarding exterior wood soffits at canopies. Provided and installed by BP-05 Rough Carpentry.
06	CASEWORK	064100	Architectural Wood Casework	
06	CASEWORK	123600	Countertops	
06	CASEWORK	079005	Joint Sealers	Applicable to this scope of work.
BP-07 ROOFING				
07	ROOFING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
07	ROOFING	072100	Thermal Insulation	
07	ROOFING	074213	Metal Wall Panels	Provide & install molded, rigid cellular polystyrene board insulation at Wall Types X-M12MP, X-M12HRMP, X-W60MP & X-W60MPT, (REF: G0.05), where metal wall panels occur.
07	ROOFING	075400	Thermoplastic Membrane Roofing	
07	ROOFING	076200	Sheet Metal Flashing and Trim	Provide & install downspout tubes down to underground roof drain leaders to include the metal cover plate, (RE: 1/ C5.50).
07	ROOFING	077200	Roof Accessories	
07	ROOFING	079005	Joint Sealers	Applicable to this scope of work.
BP-08 DOORS & HARDWARE				
08	DOORS & HARDWARE	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
08	DOORS & HARDWARE	081113	Hollow Metal Doors and Frames	Includes installation.
08	DOORS & HARDWARE	081416	Flush Wood Doors	Includes installation.
08	DOORS & HARDWARE	087100	Door Hardware	Includes installation. As applicable to this scope of work.
BP-09 SECTIONAL DOORS, (ADD-02)				
09	SECTIONAL DOORS	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
09	SECTIONAL DOORS	083613	Sectional Doors	ADD-02: The insulated panel portions of the Sectional Doors to be field-painted as noted on Door Schedule; Sheet A7.01 by BP-14 Paint. The Vision Panels will be factory powder coated.
09	SECTIONAL DOORS	079005	Joint Sealers	Applicable to this scope of work.
BP-09a FOUR-FOLD SIDE OPENING METAL DOORS, (ADD-02)				
09a	FOUR-FOLD SIDE OPENING METAL DOORS	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
09a	FOUR-FOLD SIDE OPENING METAL DOORS	083500	Four-Fold Side Opening Metal Doors	ADD-02: The insulated panel portions of the Four-Fold Side Opening Metal Doors to be field-painted as noted on Door Schedule; Sheet A7.01 by BP-14 Paint. The Vision Panels will be factory powder coated.
09a	FOUR-FOLD SIDE OPENING METAL DOORS	079005	Joint Sealers	Applicable to this scope of work.
BP-10 ALUMINUM ENTRANCES & STOREFRONTS				
10	ALUMINUM ENTRANCES & STOREFRONTS	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
10	ALUMINUM ENTRANCES & STOREFRONTS	084313	Aluminum Framed Entrances and Storefronts	
10	ALUMINUM ENTRANCES & STOREFRONTS	085413	Fiberglass Windows	ADD-01: Include this section in this Bid Package.
10	ALUMINUM ENTRANCES & STOREFRONTS	087100	Door Hardware	As applicable to this scope of work.
10	ALUMINUM ENTRANCES & STOREFRONTS	088000	Glazing	Provide all the glazing for this project.
BP-11 DRYWALL				
11	DRYWALL	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
11	DRYWALL	092116	Gypsum Board Assemblies	
11	DRYWALL	092219	Non-Structural Metal Framing	
11	DRYWALL	095100	Acoustical Ceilings	
11	DRYWALL	095426	Acoustical Wood Ceilings	
11	DRYWALL	072100	Thermal Insulation	As applicable to this scope of work.
11	DRYWALL	072119	Foamed-In-Place Insulation	
11	DRYWALL	072500	Weather Barriers	
11	DRYWALL	079005	Joint Sealers	At all walls with sound attenuation, seal top of wall at structure and bottom of wall with acoustical sealant.
BP-12 TILING				
12	TILING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
12	TILING	093000	Tiling	

12	TILING	079005	Joint Sealers	Applicable to this scope of work.
BP-13 FLOOR COVERING				
13	FLOOR COVERING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
13	FLOOR COVERING	096500	Resilient Flooring	
13	FLOOR COVERING	096566	Resilient Athletic Flooring	
13	FLOOR COVERING	079005	Joint Sealers	Applicable to this scope of work.
BP-14 PAINTING				
14	PAINTING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
14	PAINTING	099000	Painting and Coating	ADD-02: Field paint all insulated panel portions of both the Sectional Doors & Four-Fold Side Opening Metal Doors as noted on Door Schedule; Sheet A7.01. The Vision Panels will be factory powder coated by BP-09 Sectional Doors & BP-09a Four-Fold Side Opening Metal Doors.
14	PAINTING	071900	Water Repellents	Apply water repellents to masonry in this scope of work.
14	PAINTING	079005	Joint Sealers	Applicable to this scope of work. Include joint sealant at all interior doors, windows.
BP-15 SPECIALTIES				
15	SPECIALTIES	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
15	SPECIALTIES	101100	Visual Display Surfaces	
15	SPECIALTIES	101400	Signage	
15	SPECIALTIES	101453	Traffic Signage	
15	SPECIALTIES	102600	Wall and Corner Protection	
15	SPECIALTIES	102800	Toilet Accessories	
15	SPECIALTIES	104400	Fire Protection Specialties	
15	SPECIALTIES	105100	Lockers	
15	SPECIALTIES	105723	Prefabricated Storage Items	
15	SPECIALTIES	108013	Miscellaneous Specialties	
15	SPECIALTIES	323300	Site Furnishings	Concrete bases, if required, by Others.
BP-16 WINDOW COVERINGS				
16	WINDOW COVERINGS	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
16	WINDOW COVERINGS	122413	Roller Window Shades	Includes installation.
BP-17 FIRE PROTECTION				
17	FIRE PROTECTION	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
17	FIRE PROTECTION	210500	Common Work Results for Fire Suppression	
17	FIRE PROTECTION	211119	Fire-Department Connections	
17	FIRE PROTECTION	211313	Wet-Pipe Sprinkler Systems	
17	FIRE PROTECTION	078400	Firestopping	As applicable to this scope of work.
17	FIRE PROTECTION	079005	Joint Sealers	As applicable to this scope of work.
17	FIRE PROTECTION	083100	Access Doors & Panels	As applicable to this scope of work.
BP-18 PLUMBING				
18	PLUMBING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
18	PLUMBING	220500	Common Work Results for Plumbing	
18	PLUMBING	220523	General-Duty Valves for Plumbing Piping	
18	PLUMBING	220529	Hangers & Supports for Plumbing Piping & Equipment	
18	PLUMBING	220553	Identification for Plumbing Piping & Equipment	
18	PLUMBING	220700	Plumbing Insulation	
18	PLUMBING	221116	Domestic Water Piping	
18	PLUMBING	221119	Domestic Water Piping Specialties	
18	PLUMBING	221123	Domestic Water Pumps	
18	PLUMBING	221316	Sanitary Waste & Vent Piping	
18	PLUMBING	221319	Sanitary Waste & Vent Piping Specialties	ADD-01: The 1000 GAL Sand & Oil Interceptor shown on Sheet P2.10 & detailed on P4.01 will be provided & installed by BP-21 SITE WORK. Plumbing Contractor will stub out piping to 5'-0" outside of building where it will be connected and extended by the Site Work Contractor.

18	PLUMBING	221413	Facility Storm Drainage Piping	
18	PLUMBING	221423	Storm Drainage Piping Specialties	
18	PLUMBING	221513	General-Service Compressed-Air Piping	
18	PLUMBING	221519	General-Service Packaged Air Compressors & Receivers	
18	PLUMBING	224000	Plumbing Fixtures	
18	PLUMBING	119000	Equipment	Include connections of water supplies, drains, etc. in this scope of work
18	PLUMBING	078400	Firestopping	As applicable to this scope of work.
18	PLUMBING	079005	Joint Sealers	As applicable to this scope of work.
18	PLUMBING	083100	Access Doors & Panels	As applicable to this scope of work.
BP-19 HVAC				
19	HVAC	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
19	HVAC	230500	Common Work Results for Mechanical	
19	HVAC	230529	Hangers & Supports for HVAC Piping & Equipment	
19	HVAC	230553	Identification for HVAC Piping & Equipment	
19	HVAC	230593	Testing, Adjusting & Balancing for HVAC	
19	HVAC	230700	HVAC Insulation	
19	HVAC	231123	Facility Natural-Gas Piping	
19	HVAC	233113	Metal Ducts	
19	HVAC	233300	Air Duct Accessories	
19	HVAC	233423	Power Ventilators	
19	HVAC	233713	Diffusers, Registers & Grilles	
19	HVAC	235123	Gas Vents	
19	HVAC	235523	Low-Intensity, Gas-Fired, Radiant Heaters	
19	HVAC	235533	Gas-Fired Unit Heaters	
19	HVAC	237223	Air-to-Air Energy Recovery Equipment	
19	HVAC	237416	Packaged, Small-Capacity, Rooftop Air-Conditioning Units	
19	HVAC	238126	Split-System Heat Pump Air-Conditioners - Direct Expansion (DX), Air-Cooled, Variable Capacity, Split System	
19	HVAC	238216	Coils	
19	HVAC	238239	Wall & Ceiling Unit Heaters	
19	HVAC	119000	Equipment	Include ducting required for appliances in this scope of work.
19	HVAC	078400	Firestopping	As applicable to this scope of work.
19	HVAC	079005	Joint Sealers	As applicable to this scope of work.
19	HVAC	083100	Access Doors & Panels	As applicable to this scope of work.
19	HVAC	089100	Louvers	Provide all louvers as shown on plans.
BP-20 ELECTRICAL, COMMUNICATIONS, FIRE ALARM				
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260500	Common Work Results for Electrical	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260519	Low Voltage Electrical Power Conductors & Cables	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260526	Grounding & Bonding for Electrical Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260529	Hangers & Supports for Electrical Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260533	Raceway & Wireway for Electrical Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260534	Cabinets, Boxes & Fittings	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260543	Underground Ducts & Raceways for Electrical Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260553	Identification for Electrical Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260583	Wiring Connections	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	260923	Lighting Control Devices	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	262413	Switchboards	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	262416	Panelboards	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	262726	Wiring Devices	

20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	262800	Low-Voltage Circuit Protective Devices	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	263213	Engine Generators	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	263600	Transfer Switches	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	264313	Surge Protective Device (SPD)	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	265000	Lighting	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	265613	Lighting Poles & Standards	ADD-01: Include excavation & backfill of all light pole bases. Forming & pouring of bases by Others.
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270500	Common Work Results for Communications	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270526	Grounding & Bonding for Communications Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270528	Cable Tray for Communications Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270544	Sleeves & Sleeve Seals for Communications Pathways & Cabling	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270533	Identification for Communications Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	270600	Schedules for Communications Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	271100	Communications Equipment Room Fittings	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	271116	Communications Cabinets, Racks, Frames & Enclosures	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	271500	Communications Horizontal Cabling	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	276000	Television Distribution Systems	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	283111	Fire Detection & Alarm	
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	119000	Equipment	Include electrical connections for appliances in this scope of work.
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	078400	Firestopping	As applicable to this scope of work.
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	079005	Joint Sealers	As applicable to this scope of work.
20	ELECTRICAL, COMMUNICATIONS, FIRE ALARM	083100	Access Doors & Panels	As applicable to this scope of work.
BP-21 SITEWORK & UTILITIES				
21	SITEWORK & UTILITIES	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety. This bid package responsible for ALL barricades, safety devices and traffic controls both onsite and offsite, as required for this scope of work.
21	SITEWORK & UTILITIES	311000	Site Clearing	Include all site demolition work shown on Sheet C1.00; Demolition Keynotes #1 thru #5. This bid package responsible for setup & maintenance of SWPPP as shown on Sheets C1.50 & C1.55.
21	SITEWORK & UTILITIES	312000	Earth Moving	ADD-01: Include in this scope of work all the foundation excavation & backfill to include interior slab sub-grading & fine-grading along with sub-base & base materials. Include sub-grading & fine-grading along with sub-base & base materials for all exterior concrete paving, pads, bases, sidewalks, curbs. Foundation insulation, bituminous dampproofing, vapor barriers, reinforcement provided by Others. Light pole bases by Others.
21	SITEWORK & UTILITIES	321216	Asphalt Paving	ALL striping / pavement markings in this scope of work to include all directional arrows, diagonal striping, (both exterior & interior @ Apparatus Bay), and DO NOT ENTER lettering at Fire Truck exit point.
21	SITEWORK & UTILITIES	331000	Water Utilities	
21	SITEWORK & UTILITIES	333000	Sanitary Sewerage Utilities	ADD-01: Provide & install the 1000 GAL Sand & Oil Interceptor shown on Sheet P2.10 & detailed on P4.01. The Plumbing Contractor will stub out piping to 5'-0" outside of building. The Site Work Contractor will connect to these stub outs and run all the piping required to the Sand & Grease Interceptor for a fully functional unit. This includes providing and installing Sand & Grease Traps 'SG Trap 1' & 'SG Trap 2' shown on Sheet C4.10.
21	SITEWORK & UTILITIES	334000	Storm Drainage Utilities	Provide & install underground roof drain leaders from storm drain lines up and to finish grade at each downspout tube location.
BP-22 METAL FENCING				
22	METAL FENCING	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
22	METAL FENCING	323113	Decorative Metal Fences & Gates	Provide and install concrete fence post bases including excavation and backfill.
BP-23 LANDSCAPING & IRRIGATION				
23	LANDSCAPING & IRRIGATION	DIVISION 01	GENERAL REQUIREMENTS	All sections to be included in their entirety.
23	LANDSCAPING & IRRIGATION	328400	Planting Irrigation	ADD-01: Sitework Contractor will sub-grade site to (+/-) 1". Fine-grade existing sub-grade material prior to placement of landscape materials to achieve thicknesses & depths specified. Provide topsoil & placement either from existing topsoil stockpile and/or imported, as required. Include sleeves beneath all concrete and asphalt areas for routing landscape irrigation piping.
23	LANDSCAPING & IRRIGATION	329300	Plants	

ADDENDUM #02

DATE OF ISSUE:	**February 21, 2022**		
PROJECT:	**Twin Falls Station 2** Twin Falls, Idaho 83303	PNa PROJECT #:	**20-041**
REVIEWED BY:	**Richard Carlos** Pivot North Architecture		
ATTACHMENTS:	**Pre-Bid RFIs 24-32 responses, SR 9-12 responses**		
PREVIOUS ADDENDA:	**ADDENDUM #01**		

The following are changes, deletions, corrections, additions, and/or modifications to the drawings, specifications, contract conditions, and bidding documents dated **January 18, 2022**. Bidding parties are required to acknowledge receipt of this addendum on the bid form. Failure to do so may subject the bidder to disqualification.

SUBSTITUTION REQUESTS:

1. SR-9: TPO
    a. **RESPONSE: ACCEPTED**
2. SR-10: Make-Up Air Unit
    a. **RESPONSE: ACCEPTED**
3. SR-11: Sectional Doors
    a. **RESPONSE: ACCEPTED**
4. SR-12: Fiber Mesh Additive
    a. **RESPONSE: APPROVED AS NOTED. See attached.**

ARCHITECTURAL SPECIFICATIONS CLARIFICATION(S)

1. Specification Section 064100-1; 1.4; F it reads, “Certificate: Submit certification of required wood products, produced from wood complying with FSC STD-01-001, FSC Principles and Criteria for Forest Stewardship.”
    a. **RESPONSE: As the specification’s states, we do require this certification.**

ARCHITECTURAL CLARIFICATIONS/DRAWINGS

1. Sheet G0.02 DRAWING INFORMATION
    a. ADDED keynote 042000.G CONTROL & EXPANSION JOINT
2. Sheet G0.05 WALL TYPES AND RATED ASSEMBLIES
    a. ADDED R-Values to RF-01 and RF-02
3. Sheet A2.01 LEVEL 1 – COMPOSITE FLOOR PLAN
    a. ADDED dimension string for door 128a
4. Sheet A2.31 COMPOSITE ROOF PLAN – LOW ROOF
    a. ADDED roof tags
    b. REVISED walk pads
5. Sheet A2.32 COMPOSITE ROOF PLAN – HIGH ROOF
    a. ADDED roof tags
6. Sheet A2.91 ROOF DETAILS
    a. REVISED Detail C1 TYP ROOF HATCH DETAIL
7. Sheet A3.01 BUILDING ELEVATIONS
    a. ADDED control joints to Detail E1 EXTERIOR ELEVATION- WEST
    b. REVISED reference note 4.03
8. Sheet A4.11 EXTERIOR WALL SECTIONS
    a. REVISED detail E1 WALL SECTION (2 AND 3/I AND H)
9. Sheet A7.91 FRAME DETAILS

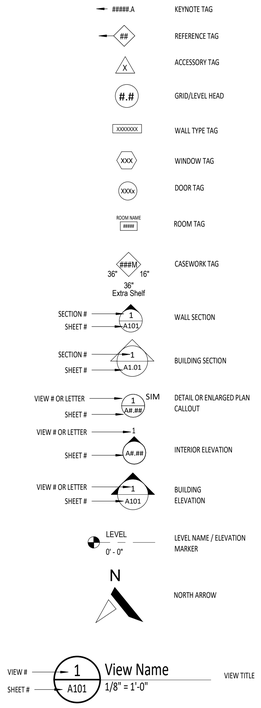
a. REVISED detail C3 HEAD DETAIL @ OVERHEAD DOORS (ALUMINUM)

10. Sheet A8.01 LEVEL 1 – FINISH FLOOR PLAN AND ROOM FINISH SCHEDULE
    a. REVISED Room Finish Schedule
11. Sheet A8.92 INTERIOR DETAILS
    a. REVISED Detail D4 GRATE DETAIL AT JANITORIAL 126
    b. REVISED Detail E4 GRATE DETAIL AT WASH ALCOVE 137

END OF ADDENDUM #02

PIVOT NORTH ARCHITECTURE | 1101 W. Grove St. | Boise, ID 83702 | 208.690.3108

SYMBOLS:



ABBREVIATIONS:

#	NUMBER OR POUND
ø	DIAMETER
∠	ANGLE
@	AT
&	AND
CL	CENTERLINE
AB	ANCHOR BOLT
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ASSOC	ASSOCIATED
AWP	ACOUSTICAL WALL PANEL
AWS	ACOUSTICAL WALL SYSTEM
BD	BOARD
BFC	BROOM FINISH CONCRETE
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
CAB	CABINET
CPT	CARPET
C.I.P.	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNITS
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCT
CONT	CONTINUOUS
CSK	COUNTERSINK
CMT	CERAMIC MOSAIC TILE
CQT	CERAMIC QUARRY TILE
CWB	CERAMIC WALL BASE
DBL	DOUBLE
DEPT	DEPARTMENT
DT	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
EA	EACH
EBT	EXPANSION BASE TRIM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
ESTR	EXPOSED STRUCTURE (NEW OR EXISTING)
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
F.D.C.	FIRE DEPARTMENT CONNECTION
FB	FIRE BLANKET
FE	FIRE EXTINGUISHER
FF	FACTORY FINISH
F.H.	FIRE HYDRANT
FIN	FINISH
FL	FLOOR LINE
FLR	FLOOR
FND	FOUNDATION
FOC	FACE OF CHANNEL
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GB	GYPSUM BOARD
GYP.BD.	GYPSUM BOARD
HAS	HEAD ANCHOR STUD
HCW	HOLLOW CORE WOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HW	HARDWOOD
ICMU	INTEGRAL COLORED CONCRETE MASONRY UNITS
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JST	JOIST
JT	JOINT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MEASURING LINE
MO	MASONRY OPENING
MTD	MOUNTED
MTG	MOUNTING
NA	NOT APPLICABLE
NB	NO BASE (EXPOSED WALL OR FOUNDATION)
NC	NEW CONCRETE
NIC	NOT IN CONTRACT
NM	NEW MASONRY
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/ OWNER INSTALLED
OPNG	OPENING
OTA	OPEN TO ABOVE
OTS	OPEN TO STRUCTURE
OVF	OVERFLOW
PC	PAINT COLOR
P.I.V.	POST INDICATOR VALVE
PLAST	PLASTIC
PLYWD	PLYWOOD
PR	PAIR
R	THERMAL RESISTANCE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	RAIN DRAIN LEADER
RE:	REFERENCE
REFRIG	REFRIGERATOR
REINF	REINFORCING
REQ.	REQUIRED
RF	EPOXY FLOOR SYSTEM
RM	ROOM
RO	ROUGH OPENING
RST	RUBBER STAIR TREADS
RW	REDWOOD
RWB	RUBBER WALL BASE
RWC	RAIN WATER CONDUCTOR
SC	SEALED CONCRETE
SCHED	SCHEDULE
SCW	SOLID CORE WOOD
SGWB	SUSPENDED GYPSUM WALL BOARD
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
T&G	TONGUE AND GROOVE
TEMP	TEMPORARY
TO	TOP OF
TOM	TOP OF MASONRY
TS	TUBE STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
W/	WITH
WC	WATER CLOSET
WD	WOOD
WF	WALL FABRIC
WH	WATER HEATER
WM	WALK-OFF MAT
W/O	WITH OUT
WP	WATERPROOF
WRGB	WATER RESISTANT GYPSUM BOARD
WT	WEIGHT
WWF	WELDED WIRE FABRIC

MASTER KEYNOTES:

Keynote #	Keynote Text
033000.A	CAST-IN-PLACE CONCRETE
033000.D	EXPANSION AND SLAB ISOLATION JOINT FILLER
033000.F	UNDERSLAB VAPOR RETARDER
042000.A	BRICK MASONRY
042000.B	INTEGRALLY-COLORED, STANDARD CMU
042000.C	INTEGRALLY-COLORED, HI-R CMU
042000.D	INTEGRALLY-COLORED, SOLID CAP CMU
042000.F	MASONRY VENEER ANCHOR
042000.G	CONTROL & EXPANSION JOINT
051200.C	STEEL BEAM
051200.D	STEEL CHANNEL
051200.E	THREADED ROD
051200.F	STEEL PLATE
051200.G	STEEL ANGLE
051200.H	TENSION ROD
055000.G	STEEL LADDER
055000.I	FIXED STEEL BOLLARD
055000.T	STAINLESS STEEL BAR GRATE
061000.B	DIMENSIONAL LUMBER FRAMING
061000.C	WOOD BLOCKING/NAILER
061000.D	PLYWOOD SHEATHING
061500.A	WOOD DECKING
062000.A	WOOD SOFFIT
062000.B	EXTERIOR SOFFIT VENT
064100.B	PLASTIC LAMINATE FACED CABINETS
064100.C	CABINET HARDWARE AND ACCESSORIES
071113.A	BITUMINOUS DAMPPROOFING
072100.A	GLASS-FIBER BATT INSULATION
072100.D	SOUND ATTENUATION BLANKET INSULATION
072100.E	POLYISO BOARD INSULATION
072100.F	EXTRUDED POLYSTYRENE (XPS)
072100.J	MOLDED, RIGID CELLULAR POLYSTYRENE BOARD INSULATION
072119.A	FOAMED-IN-PLACE INSULATION
072500.B	FOIL-FACED VAPOR BARRIER
072500.C	AIR PERMEABLE WATER BARRIER
072500.D	WATER RESISTIVE AIR BARRIER
074213.A	METAL WALL PANELS
074213.B	STAND OFF CLIP
075400.A	THERMOPLASTIC MEMBRANE ROOFING
075400.B	WEATHER RESISTIVE PROTECTION BOARD
075400.C	ROOF FELT
076200.A	PARAPET COPING
076200.C	METAL FLASHING & TRIM
076200.D	CONDUCTOR HEAD
076200.E	DOWNSPOUT
076200.F	PARAPET SCUPPER
076200.G	SPLASH PAN
076200.H	SELF-ADHERING TRANSITION FLASHING
076200.J	METAL BREAK SHAPE TRIM
077200.A	ROOF HATCH
077200.C	TERMINATION BAR
078400.A	FIRE RESISTIVE JOINT SEALANT
079005.A	JOINT SEALANT
079005.B	JOINT SEALANT BACKING
081113.A	HOLLOW METAL FRAME
081113.B	HOLLOW METAL DOOR
081113.C	METAL GLAZING STOP
083500.A	FOUR-FOLD SIDE OPENING METAL DOORS
083500.B	FOUR-FOLD DOOR OPERATOR
083500.C	FOUR-FOLD DOOR FRAME AND ACCESSORIES
083613.A	SECTIONAL DOOR
083613.B	DOOR TRACK
084313.A	ALUMINUM FRAMED ENTRANCES AND STOREFRONTS
084313.B	PERIMETER ANCHOR
088000.A	FLOAT GLASS UNIT
088000.C	SPEAK THRU
088300.A	FITNESS MIRROR
092116.A	5/8" GYPSUM WALL BOARD, TYPE X
092116.C	5/8" GLASS-MAT GYPSUM BOARD
092116.E	J MOLD
092219.A	RESILIENT CHANNEL
092219.C	STEEL STUD FRAMING (NON-LOAD-BEARING)
093000.A	WALL TILE
093000.B	WALL TILE TRIM
093000.C	TILE BASE
095100.A	ACOUSTICAL PANEL CEILING APC-1
095100.B	ACOUSTICAL PANEL CEILING APC-2
095426.A	ACOUSTICAL WOOD CEILINGS
101100.A	C.F.C.I. MARKERBOARDS
101100.F	C.F.C.I TACK BOARDS
101400.A	BUILDING IDENTIFICATION SIGN
101400.B	BUILDING ADDRESS SIGN
101400.D	BUILDING PLAQUE
102600.A	CORNER GUARD
102600.C	END GUARD
102800.A	GRAB BARS
102800.B	C.F.C.I MIRROR
102800.E	SEAT COVER DISPENSERS
102800.H	C.F.C.I. BABY CHANGING STATION
102800.I	TOWEL RACK
102800.J	SHOWER AND CURTAIN ROD
102800.K	TOWEL HOOK
104400.A	SEMI-RECESSED FE CABINET
104400.D	SEMI-RECESSED DEFIBRILLATOR CABINET
105000.A	GEAR GRID RACKS
105723.A	CUSTODIAN UTILITY SHELF
105723.B	READY RACK
113013.A	C.F.C.I. MICROWAVE
113013.B	PLUMBED INSTA POT/COFFEE MAKER
113013.C	UNDERCOUNTER ICE MACHINE
113100.A	C.F.C.I. DISHWASHER
113100.B	C.F.C.I REFRIGERATOR
113100.C	RESIDENTAL STACKED WASHER/DRYER
113100.D	FRONT LOAD WASHER/DRYER.
113100.E	C.F.C.I GAS RANGE/OVEN
113100.F	C.F.C.I. ICE MACHINE
122413.A	ROLLER WINDOW SHADES
122413.C	ROLLER WINDOW SHADES TRACK
123600.A	QUARTZ COUNTERTOPS
123600.B	CONCEALED COUNTER SUPPORT BRACKETS
123600.C	QUARTZ APRON
123600.D	QUARTZ SILL
323300.B	BICYCLE RACKS
323300.C	FLAGPOLE
323300.D	SITE SIGNAGE

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AR-984434
STATE OF IDAHO
CLINT SIEVERS

01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

3	ADDENDUM 02	02/21/22

Project No:	20-041
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Sheet Name:

DRAWING INFORMATION

100% BID SET

Sheet No:

G0.02

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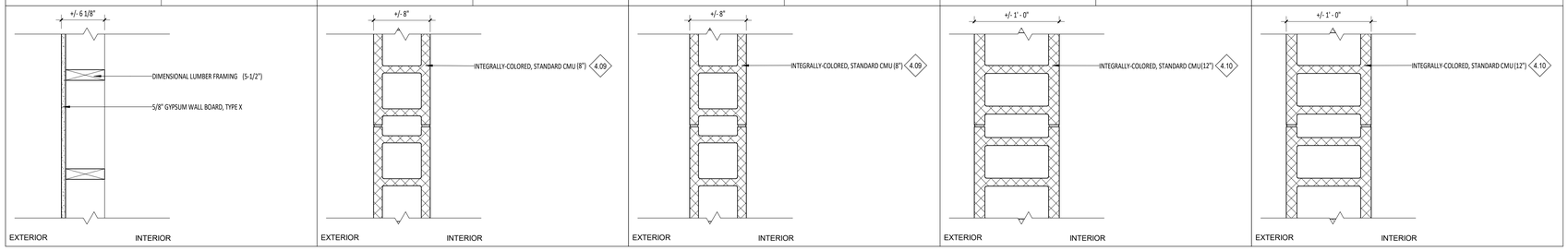
WALL TYPES - INTERIOR_02 (PLAN VIEW)

1 1/2" = 1'-0"

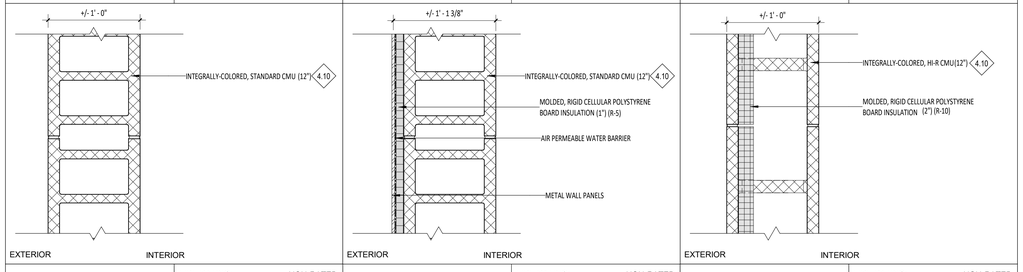
WALL W69	WALL M80	WALL M82	WALL M12	WALL M122
FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: 6" ABOVE CEILING	FIRE RATING: NON-RATED FIRE TEST: SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: 1-HOUR FIRE TEST: IBC TABLE 721.1(2) ITEM 3 SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: 1-HOUR FIRE TEST: IBC TABLE 721.1(2) ITEM 3 SOUND RATING: WALL HEIGHT: SEE SECTIONS



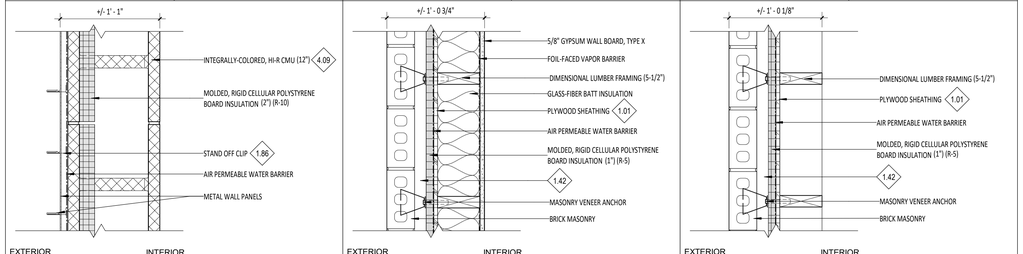
WALL TYPES - EXTERIOR (PLAN VIEW)

1 1/2" = 1'-0"

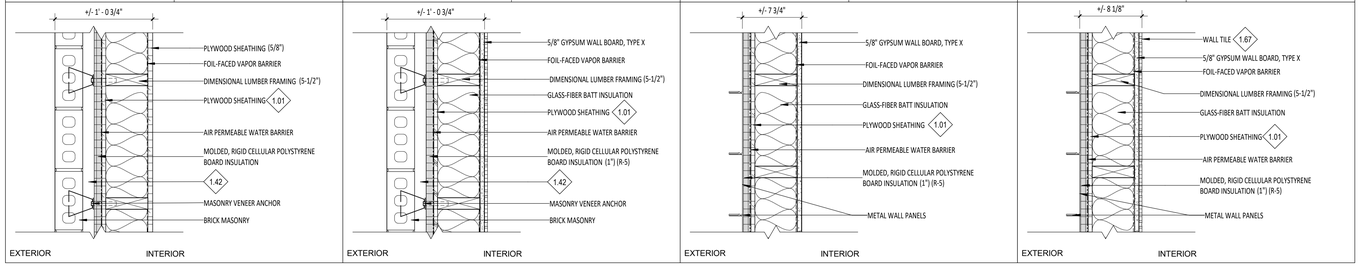
WALL X-M12	WALL X-M12MP	WALL X-M12HR
FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS



WALL X-M12HRMP	WALL X-W60SB	WALL X-W60B
FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS



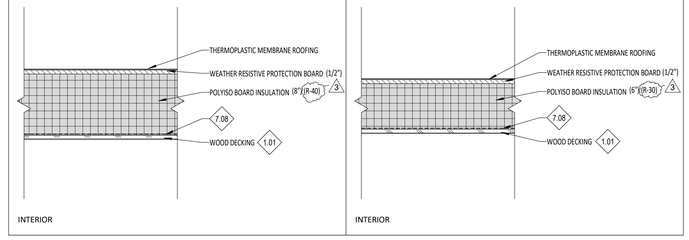
WALL X-W60SBP	WALL X-W60SBT	WALL X-W60SMP	WALL X-W60SMPT
FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS	FIRE RATING: NON-RATED FIRE TEST: NONE SOUND RATING: WALL HEIGHT: SEE SECTIONS

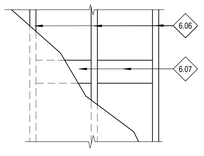


ROOF TYPES (SECTION VIEW)

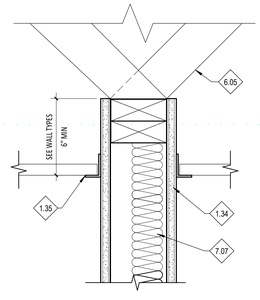
1 1/2" = 1'-0"

ROOF TYPE: RF-01	ROOF TYPE: RF-02
FIRE RATING: N/A FIRE TEST: CLASS C	FIRE RATING: N/A FIRE TEST: CLASS C





D6 / G0.05 MOUNTING PLATE ELEVATION, TYP.
1/2" = 1'-0"



E6 / G0.05 SEISMIC BRACING @ PARTITION WALLS, TYP.
12" = 1'-0"

NOTES - REFERENCE NOTES

1.01 COORDINATE WITH STRUCTURAL DRAWINGS.
1.34 INTERIOR PARTITION - SEE WALL TYPES
1.35 CEILING SYSTEM AS SCHEDULED (CEILINGS ON OPPOSITE SIDES OF WALL MAY BE AT DIFFERENT HEIGHTS - SEE REFLECTED CEILING PLAN).
1.42 1-1/2" AIR GAP
1.67 RE: INTERIOR ELEVATIONS FOR HEIGHT.
1.86 COORDINATE WITH MANUFACTUER RECOMMENDATIONS
4.09 FINISH: 695 CHARCOAL SM STANDARD COLOR.
4.10 FINISH: 615 SM PREMIUM COLOR.
6.05 WOOD STUDS MOUNTED TO DECK AT 48" O.C. BRACED EACH DIRECTION.
6.06 WOOD STUDS. RE: FLOOR PLANS AND WALL TYPES.
6.07 2X TYPE V8 SOLID BLOCKING
7.07 SOUND INSULATION, WHERE OCCURS - SEE WALL TYPES
7.08 6 MIL VAPOR BARRIER

GENERAL NOTES - WALL TYPES

1. WALL TYPES DESCRIBED ON THIS SHEET DO NOT ACCOUNT FOR REQUIRED BACKING AND/OR SUPPORT FOR WALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK AND/OR SYSTEMS FURNITURE. COORDINATE WITH ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND EQUIPMENT PLANS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS AND USE DETAIL D6/G0.05 WHERE APPLICABLE
2. PROVIDE SEISMIC BRACING PER DETAIL E6/G0.05 AT ALL WALL TYPES THAT DO NOT EXTEND TO DECK
3. SEE B5/G2.01b FOR PARTITION PRIORITY LEGEND FOR SEQUENCING OF RATED WALL CONSTRUCTION.
4. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS PER MANUFACTURERS RECOMMENDATION AND IN ACCORDANCE W/ ASSOCIATED UL LISTING
5. WALL THICKNESS DESCRIBED ON THIS SHEET ARE SHOWN NOMINALLY IN PLAN REPRESENTATIONS
6. HORIZONTAL BRACING 2'-0" A.F.F. AT FIRST OCCURRENCE AND EVERY 4'-0" THEREAFTER AT ALL WALLS W/ GYPSUM WALL BOARD ON ONLY ONE SIDE.
7. AT ALL WALLS WITH SOUND ATTENUATION, SEAL TOP OF WALL AT STRUCTURE AND BOTTOM OF WALL WITH ACOUSTICAL SEALANT.
8. FOR ALL WALLS WITH TILE, TUBS, AND/OR SHOWERS, USE 5/8" GLASS-MAT GYPSUM WALLBOARD. REFER TO WALL TYPES AND FLOOR PLANS.
9. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF CLEARANCES AND ADA REQUIREMENTS ARE NOT ACHIEVED.
10. EXTEND WALL FRAMING AND GYPSUM BOARD FINISH TO ROOF DECK WHERE INDICATED. INSTALL DOUBLE TOP PLATE CONDITION AT BOTTOM TRUSS CHORD AND FRAME PONY WALL TO ROOF DECK. AT PERPENDICULAR WALL TO TRUSS LOCATIONS, SOLID BLOCK TRUSS CHORDS AT WALL INTERSECTIONS TO TERMINATE GYPSUM BOARD AND MAINTAIN FIRE RESISTIVE RATING TO ROOF DECK. LATERALLY BRACE WALL AT 4'-0" O.C. ABOVE 14'-0" A.F.F.

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01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

100% BID SET

Revisions:

2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

Project No: 20-041
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Drawn By: DS

Sheet Name:
WALL TYPES AND RATED ASSEMBLIES

Sheet No:
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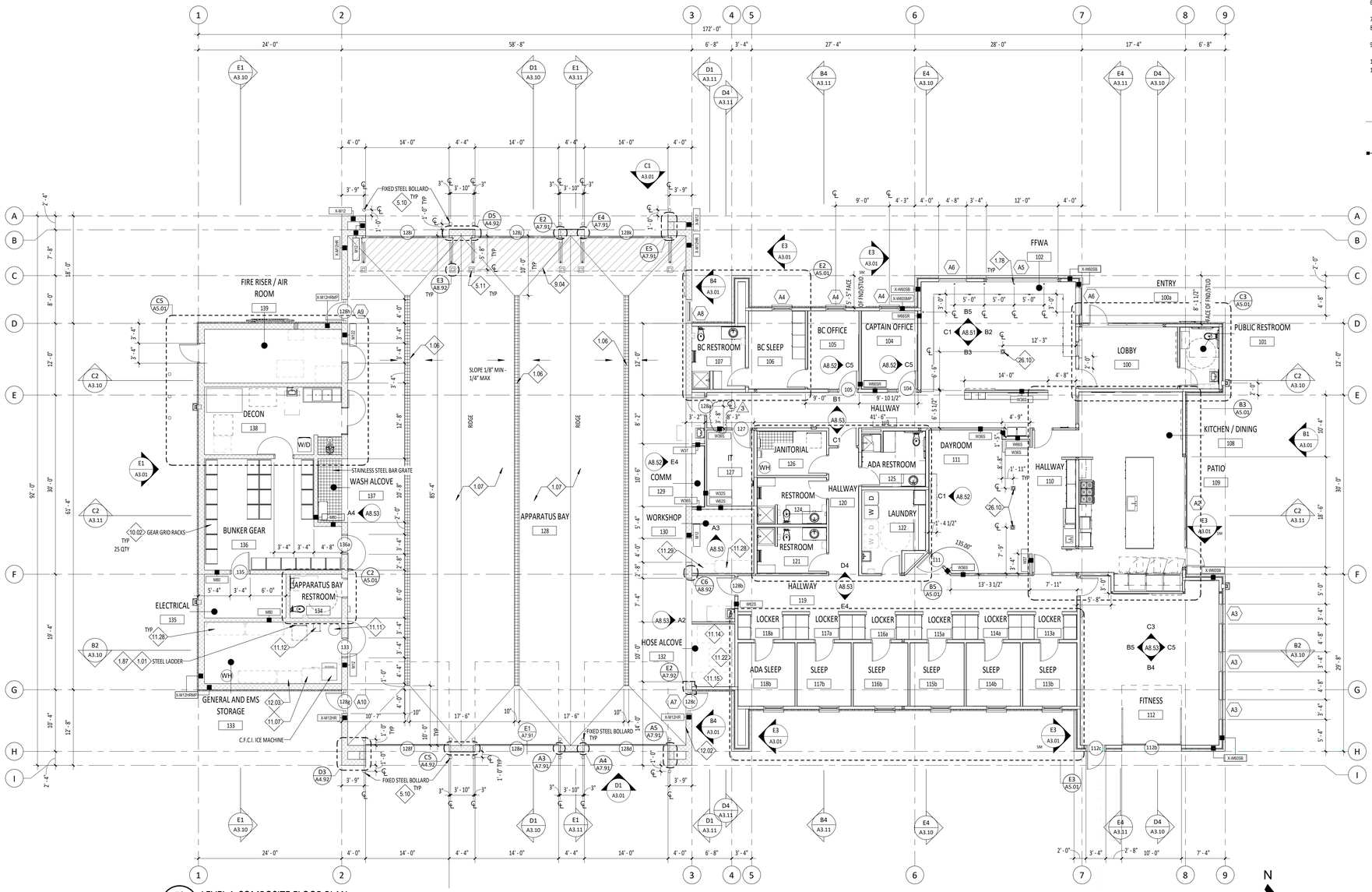

E2 / A2.01 LEVEL 1-COMPOSITE FLOOR PLAN
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.06	TRENCH DRAIN. COORDINATE WITH STRUCTURAL AND PLUMBING DRAWINGS.
1.07	SLOPE TO DRAIN. SLOPE 1/8" PER 1'-0".
1.78	GROMMETS. COORDINATE WITH MILLWORK, BRACKETS, AND ELECTRICAL BELOW.
1.87	COORDINATE WITH ALL BUILDING SERVICES TO REMAIN 36" MIN CLEAR OF THIS AREA.
5.10	FACE OF BOLLARDS TO ALIGN WITH DOOR JAMB. FINISH TO MATCH FOUR FOLD DOORS.
5.11	FOUR FOLD DOOR PEDESTAL. ALIGN FACE OF PEDESTAL WITH DOOR JAMB. COORDINATE WITH ELECTRICAL DRAWINGS.
9.04	PROVIDE 4" YELLOW SAFETY STRIPING FOR FOUR FOLD DOORS PER SPECIFICATION 32 13 13.
10.02	24"X30" RACKS
11.07	O.F.O.I. EMS REFRIGERATOR. PROVIDE POWER. COORDINATE WITH ELECTRICAL DRAWINGS.
11.11	HOUSE AIR COMPRESSOR. COORDINATE WITH PLUMBING DRAWINGS.
11.12	HOUSE AIR DRYER. PROVIDE SHELF AND MOUNT AT +80" AFF IN HEIGHT. COORDINATE WITH PLUMBING DRAWINGS.
11.14	O.F.O.I. 72" TWO-TIER UNIT HOSE CART
11.15	O.F.O.I. HOSE WASHER
11.22	O.F.O.I. HOSE WINDER
11.28	O.F.O.I. METAL SHELVING
11.29	O.F.O.I. FLAMMABLE STORAGE LOCKER
12.02	O.F.O.I SURFACE MOUNT BIKE STORAGE
12.03	O.F.O.I. LOCKABLE STORAGE CABINET
26.10	FLOOR BOX. COORDINATE WITH ELECTRICAL DRAWINGS.

GENERAL NOTES - FLOOR PLANS

1. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FACE OF STUDS FOR GWB WALLS / PARTITIONS.
2. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO FACE OF FINISHED MASONRY FOR CMU.
3. UNLESS NOTED OTHERWISE ALL GWB WALLS SHALL HAVE A 4" STUD FRAME RETURN AT ALL DOOR AND WINDOW JAMBS.
4. FOR SIZES OF MARKERBOARDS AND TACK BOARDS RE: SPECIFICATION SECTION DIVISION 10 - VISUAL DISPLAY SURFACES.
5. AT WARDROBE/TV CASEWORK, REFER TO EACH ROOM AS TO VERIFY DOOR SWING LOCATION.
6. RE: SHEETS G2.01 AND G2.01b FOR BUILDING OCCUPANCY PLANS AND FIRE RESISTIVE CONSTRUCTION REQUIREMENTS.
7. SEE ENLARGED PLANS FOR ADDITIONAL WALL TYPES.
8. FOR GLAZING RECEIVING WINDOW TREATMENTS, COORDINATE WITH SPECIFICATION SECTION 12 24 13 - ROLLER WINDOW SHADES
9. FOR WALLS NOT DESIGNATED WITH A WALL TYPE, COORDINATE WITH STRUCTURAL DRAWINGS & WALL SECTIONS.
10. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.
11. APPARATUS BAY SLAB SLOPE TO BE 1/8" MIN. TO 1/4" MAX. TO DRAIN TO TRENCH DRAINS.

LEGEND - FLOOR PLANS

- XXXx — DOOR SYMBOL, RE: DOOR SCHEDULE, SHEET A7.01
- XXXXXX — WALL TYPE, RE: SHEET G0.04 AND G0.05
- XXX — WINDOW TYPE, RE: WINDOW FRAME TYPE SHEETS, SHEETS A7.11 AND A7.12
- FIRE EXTINGUISHER CABINET. RE: DIVISION 10 - SPECIALTIES 10 AND SHEET G2.01
- FLOOR DRAIN. COORDINATE WITH PLUMBING DRAWINGS.
- WOOD STUD WALL AND GYPSUM WALL BOARD WALL. RE: SHEETS G0.04 AND G0.05 WALL TYPES AND RATED ASSEMBLIES.
- CONCRETE MASONRY UNIT (CMU) WALL. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
- BRICK MASONRY VENEER. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
- METAL VENEER. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS. COORDINATE WITH STRUCTURAL DRAWINGS.
- FLOOR GRATE
- OFOI (HALF TONED AND DASHED)
- OFCI (BLACK AND DASHED)

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01.17.22

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Project: TWIN FALLS FIRE STATION 2

214 CHENEY DRIVE, TWIN FALLS, IDAHO

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2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

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Checked By:	MS, GG
Drawn By:	RC, DS

Sheet Name:

LEVEL 1 - COMPOSITE FLOOR PLAN

100% BID SET

Sheet No:

A2.01

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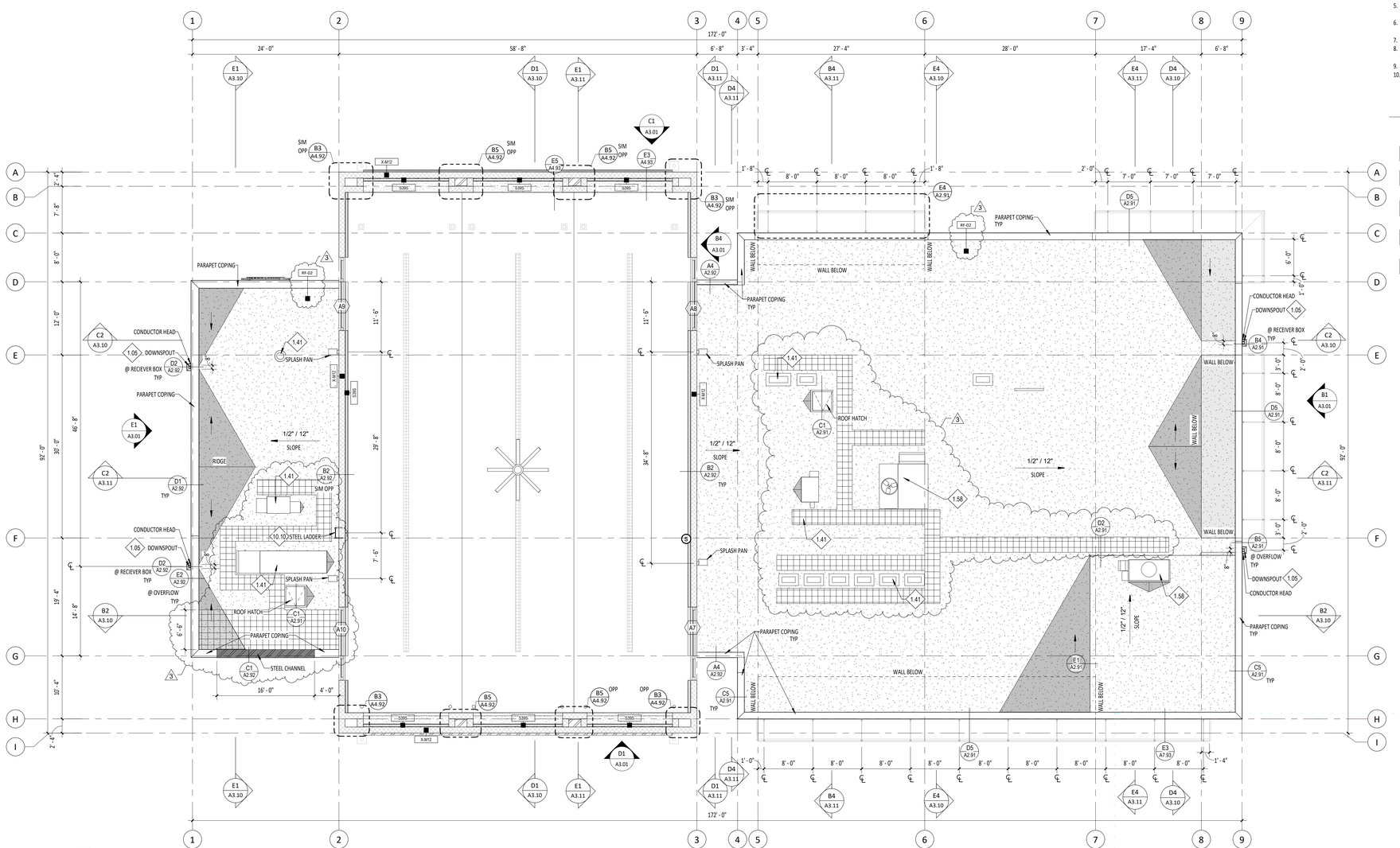

E2 / A2.31 ROOF PLAN (LOW)
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.05	COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS.
1.41	COORDINATE WITH MECHANICAL DRAWINGS
1.58	ROOF TOP UNIT AND CURB. COORDINATE WITH MECHANICAL DRAWINGS AND DETAIL A5/A2.92.
10.10	ROOF LADDER. RE: DETAILS D4/A4.91 AND D6/A4.91, BUILDING ELEVATION E1/A3.01, AND BUILDING SECTION E1/A3.10.

GENERAL NOTES - ROOF PLANS

1. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND NUMBER OF OTHER ROOF PENETRATIONS (I.E., VENT STACKS, VENT PIPES, CONDUIT PENETRATIONS, ETC.). FLASH ALL PENETRATIONS WEATHER TIGHT. COORDINATE WITH ROOF DETAILS.
2. SLOPE ALL CRICKETS AS SHOWN AT A SLOPE OF 1/2" PER FOOT. EXCEPT WHERE NOTED.
3. PROVIDE BUILT-UP TAPERED INSULATION ROOF CRICKETS AT ALL CURB LOCATIONS TO ALLOW POSITIVE DRAINAGE AND PREVENT PONDING.
4. ALL METAL ROOF FLASHING DETAILS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND REVIEWED BY THE ARCHITECT FOR DESIGN INTENT.
5. PROVIDE 2'-0" WIDE FLEXIBLE WALKWAY AT ALL ROOFTOP EQUIPMENT CURBS, ROOF HATCHES, AND ROOF LADDERS, TYPICAL.
6. COORDINATE WITH MECHANICAL DRAWINGS AND SPECIFICATIONS REGARDING CLEAR AIR SPACE REQUIREMENTS AROUND EQUIPMENT.
7. REFER TO SHEET G0.06 FOR ROOF TYPES.
8. RE: CIVIL TO COORDINATE FOR ROOF DRAINAGE CONNECTION AT GRADE OR BELOW GRADE DRAINAGE.
9. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.
10. TERMINATE TPO AT 18" ABOVE TOP OF ROOF UNO.

LEGEND - ROOF PLANS

- WALL BELOW
- WALK PADS. RE: SPECIFICATIONS
- CRICKETS. RE: SPECIFICATIONS
- POWDER COATED STEEL CHANNEL. RE: SHEET A2.92 DETAIL C1
  PARAPET COPING DETAIL @ SUPPORT SPACE
- PARAPET KICKER LOCATIONS. RE: STRUCTURAL DRAWINGS
- METAL PANEL. FINISH: MATTE BLACK

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STATE OF IDAHO
CLINT SIEVERS

01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

Project No:	20-041
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Checked By:	RC, MS
Drawn By:	DS

Sheet Name:

COMPOSITE ROOF PLAN - LOW ROOF

100% BID SET

Sheet No:

A2.31

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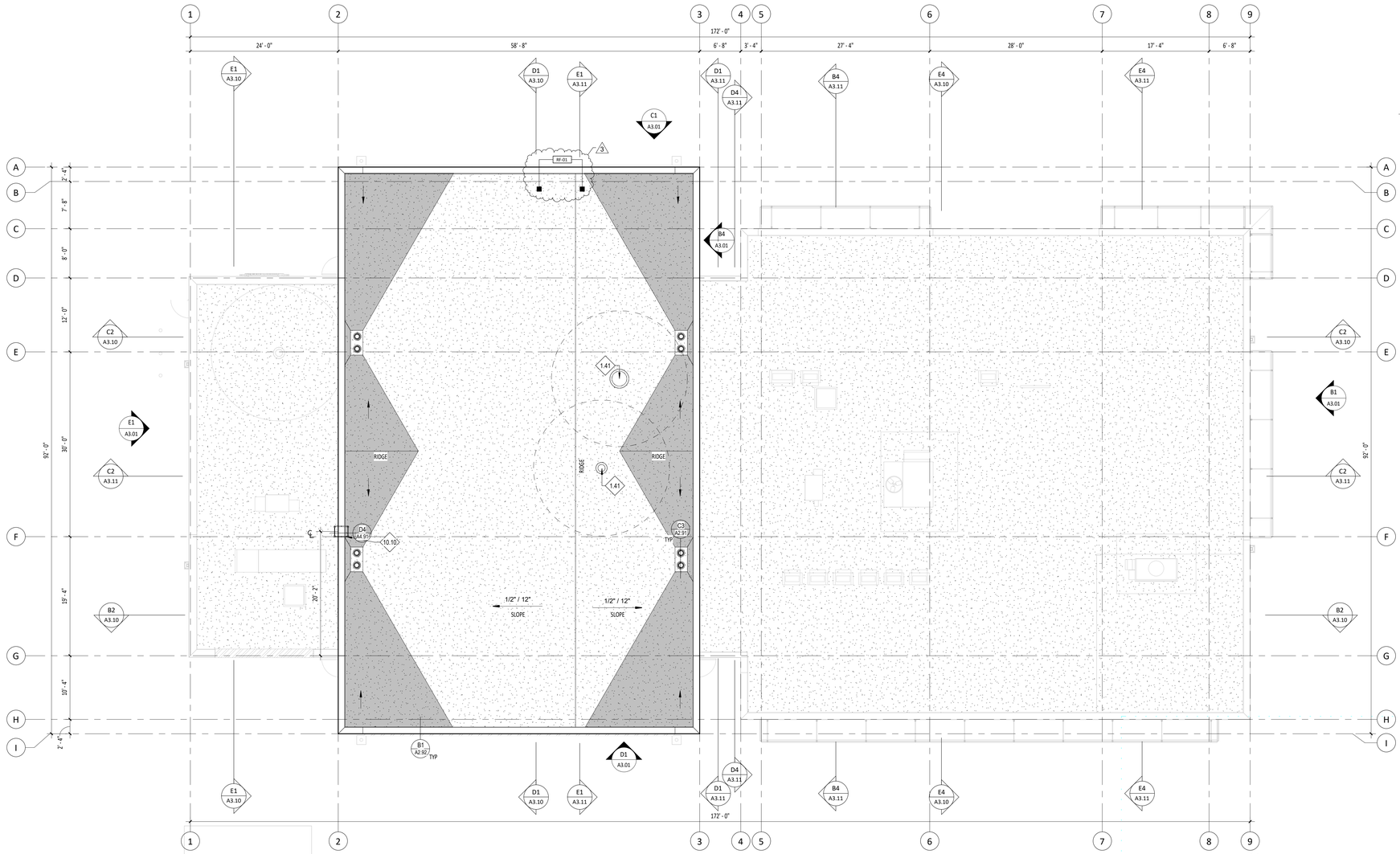

E2 / A2.32 ROOF PLAN (HIGH)
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.41 COORDINATE WITH MECHANICAL DRAWINGS
10.10 ROOF LADDER. RE: DETAILS D4/A4.91 AND D6/A4.91, BUILDING ELEVATION E1/A3.01, AND BUILDING SECTION E1/A3.10.

GENERAL NOTES - ROOF PLANS

1. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION AND NUMBER OF OTHER ROOF PENETRATIONS (I.E., VENT STACKS, VENT PIPES, CONDUIT PENETRATIONS, ETC.), FLASH ALL PENETRATIONS WEATHER TIGHT. COORDINATE WITH ROOF DETAILS.
2. SLOPE ALL CRICKETS AS SHOWN AT A SLOPE OF 1/2" PER FOOT. EXCEPT WHERE NOTED.
3. PROVIDE BUILT-UP TAPERED INSULATION ROOF CRICKETS AT ALL CURB LOCATIONS TO ALLOW POSITIVE DRAINAGE AND PREVENT PONDING.
4. ALL METAL ROOF FLASHING DETAILS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND REVIEWED BY THE ARCHITECT FOR DESIGN INTENT.
5. PROVIDE 2'-0" WIDE FLEXIBLE WALKWAY AT ALL ROOFTOP EQUIPMENT CURBS, ROOF HATCHES, AND ROOF LADDERS, TYPICAL.
6. COORDINATE WITH MECHANICAL DRAWINGS AND SPECIFICATIONS REGARDING CLEAR AIR SPACE REQUIREMENTS AROUND EQUIPMENT.
7. REFER TO SHEET G0.06 FOR ROOF TYPES.
8. RE: CIVIL TO COORDINATE FOR ROOF DRAINAGE CONNECTION AT GRADE OR BELOW GRADE DRAINAGE.
9. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.
10. TERMINATE TPO AT 18" ABOVE TOP OF ROOF UNO.

LEGEND - ROOF PLANS

- WALL BELOW
- WALK PADS. RE: SPECIFICATIONS
- CRICKETS. RE: SPECIFICATIONS
- POWDER COATED STEEL CHANNEL. RE: SHEET A2.92 DETAIL C1 PARAPET COPING DETAIL @ SUPPORT SPACE
- PARAPET KICKER LOCATIONS. RE: STRUCTURAL DRAWINGS
- METAL PANEL. FINISH: MATTE BLACK

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Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

3	ADDENDUM 02	02/21/22

Project No:	20-041
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Sheet Name:
COMPOSITE ROOF PLAN - HIGH ROOF

100% BID SET

Sheet No:
A2.32

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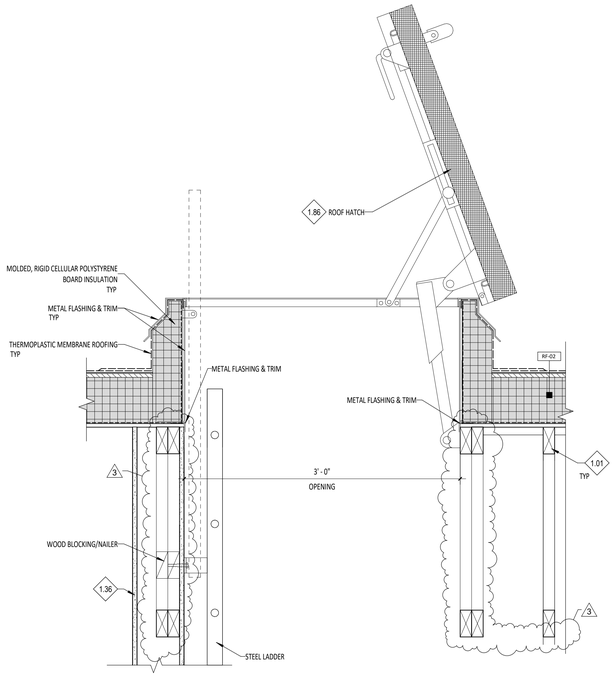
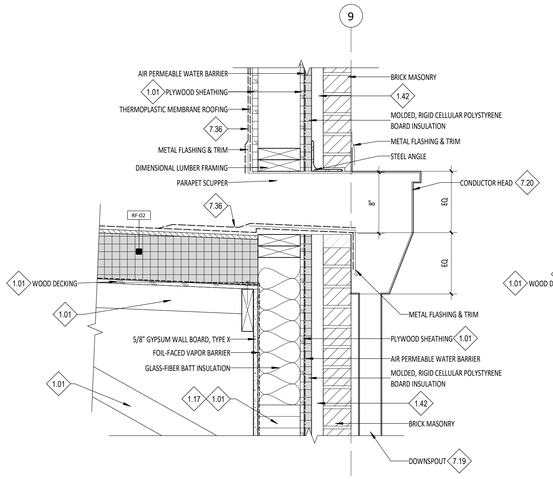
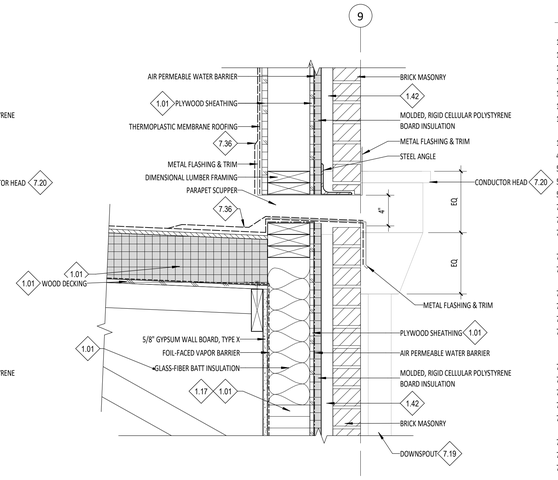


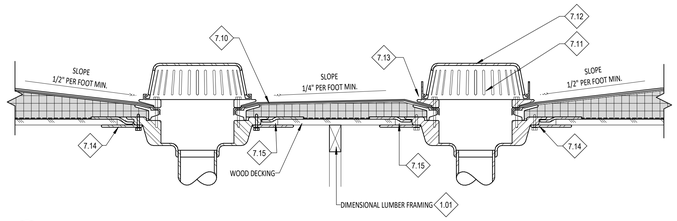
C1 A2.91 TYP ROOF HATCH DETAIL
1 1/2" = 1'-0"



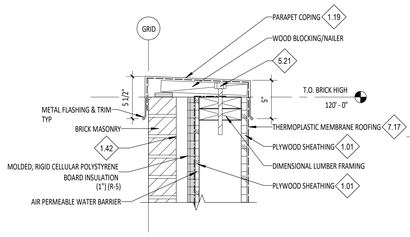
B4 A2.91 RECEIVER BOX PARAPET DETAIL @GL 9
1 1/2" = 1'-0"



B5 A2.91 OVERFLOW PARAPET DETAIL @GL 9
1 1/2" = 1'-0"



C3 A2.91 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



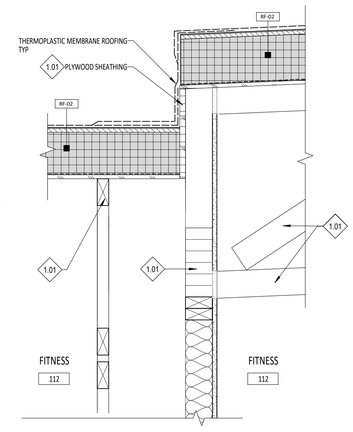
C5 A2.91 TYP PARAPET COPING DETAIL @ BRICK
1 1/2" = 1'-0"

GENERAL NOTES

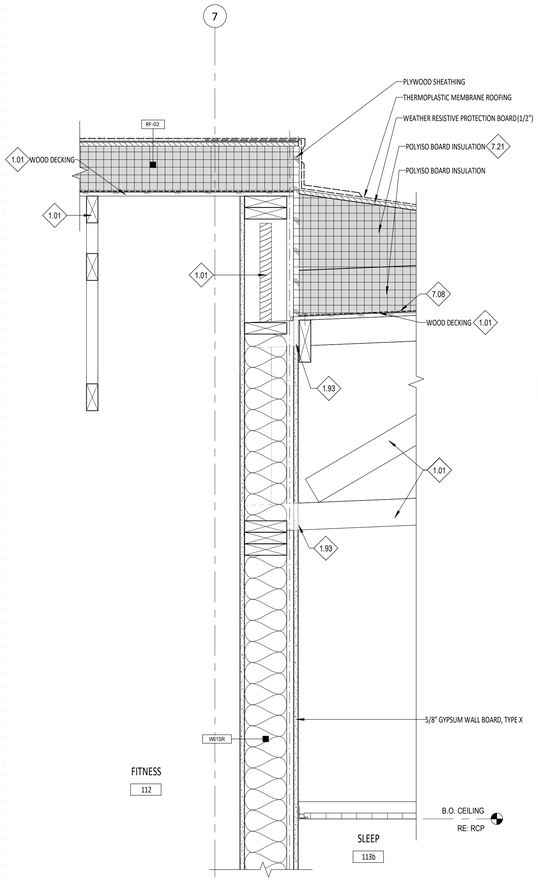
1. COORDINATE WITH STRUCTURAL DRAWINGS FOR ALL BEARING ELEVATIONS OF JOISTS AND WIDE FLANGE BEAMS.
2. COORDINATE WITH MECHANICAL & ELECTRICAL DRAWINGS FOR CURBS & ROOF PENETRATIONS.
3. ALL ROOF PENETRATIONS SHALL BE FLASHED AND SEALED PER ROOF MANUFACTURER'S RECOMMENDATION.
4. COORDINATE WITH MECHANICAL, PLUMBING, AND ELECTRICAL FOR ALL ROOF PENETRATION SIZES AND LOCATIONS.
5. FOR ROOF OVERHANG DIMENSIONS, COORDINATE WITH ROOF PLANS SEE SHEET.
6. ALL METAL ROOF FLASHING DETAILS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND REVIEWED BY THE ARCHITECT FOR DESIGN INTENT.
7. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.
8. COORDINATE WITH FLOOR PLANS AND SECTIONS FOR WALL TYPES.
9. SEAL ALL WALL TO ROOF CONNECTIONS WITH SPRAY POLYURETHANE FOAM, PROVIDE BACKING AS REQUIRED. RE: 072100 IN THE SPECIFICATIONS.
10. ROOFING DETAILS ARE DRAWN TO ILLUSTRATE DESIGN INTENT AND COMPONENTS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND MAINTAIN POSITIVE DRAINAGE ALWAYS.
11. TERMINATE TPO AT 18" ABOVE TOP OF ROOF UNO.

NOTES - REFERENCE NOTES

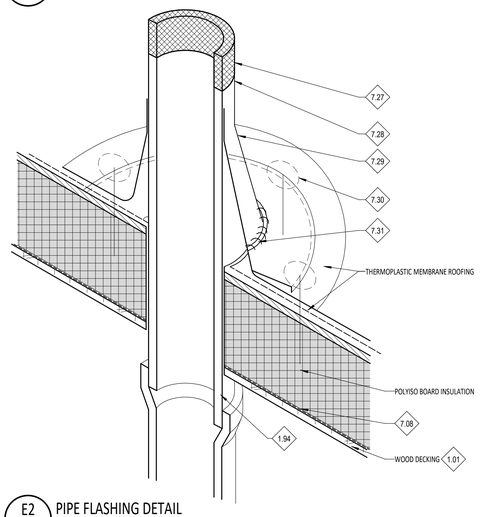
1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.17	WHERE OCCURS.
1.19	TO MATCH SLOPE OF ROOF. RE: ROOF PLAN FOR SLOPES.
1.36	RE: FLOOR PLANS, WALL TYPES, AND/OR WALL SECTIONS.
1.42	1-1/2" AIR GAP
1.86	COORDINATE WITH MANUFACTUER RECOMMENDATIONS
1.93	ANY PENETRATIONS THROUGH FIRE RATED ASSEMBLIES MUST BE FIRE CAULKED.
1.94	PIPE THROUGH ROOF
4.11	WEEP HOLE IN BRICK MASONRY
5.21	1/2" EMBEDMENT ALL THREAD.
5.32	MITER CORNERS OF STEEL CHANNELS.
5.37	TENSION ROD TO MATCH MATTE BLACK FINISH.
7.08	6 MIL VAPOR BARRIER
7.10	BUILT-ROOFING OVER RIGID INSULATION
7.11	INSTALL OVERFLOW DRAIN WITH TOP OF WATER DAM RING 2" ABOVE PRIMARY DRAIN INLET
7.12	SECONDARY ROOF DRAIN
7.13	SET EXTENSION SLEEVE 3/4" ABOVE PRIMARY DRAIN EXTENSION SLEEVE.
7.14	UNDERDECK CLAMP
7.15	ROOF SUMP RECEIVER
7.17	WRAP TPO UP OVER PARAPET TOP, TYP.
7.19	4"W X 4"D DOWNSPOUT. PROVIDE 4" X 4" X 6" BLACK DOWNSPOUT TILE ADAPTER, SKU: TA34-6 GUTTERWORKS. CONNECT DOWNSPOUT TO STORM DRAIN SYSTEM. COORDINATE WITH CIVIL DRAWINGS.
7.20	12"W X 8"D X 16"H
7.21	FLASHING SHEET AND CRICKET. WHERE OCCURS. RE: ROOF PLAN.
7.27	STAINLESS STEEL DRAWBAND, MIN. 8" ABOVE ROOF
7.28	CONTINUOUS SEALANT
7.29	PRE-MANUFACTURED HEAVY METAL CONE FLASHING, 10" MIN. ABOVE ROOF ELEVATION
7.30	MECHANICAL FASTENERS AS REQUIRED
7.31	SEALANT SEAMS
7.36	FLASHING SHEET



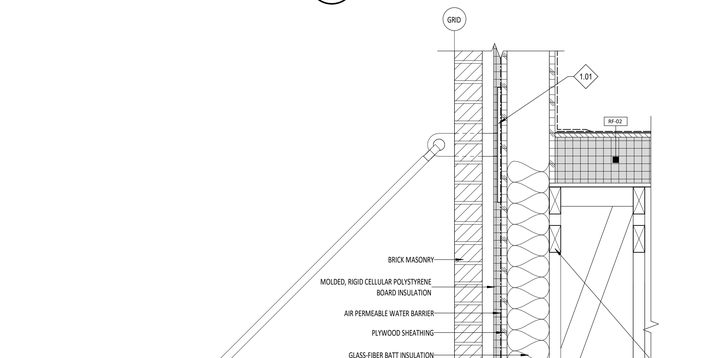
D2 A2.91 FITNESS ROOF TO LOWER ROOF DETAIL
1 1/2" = 1'-0"



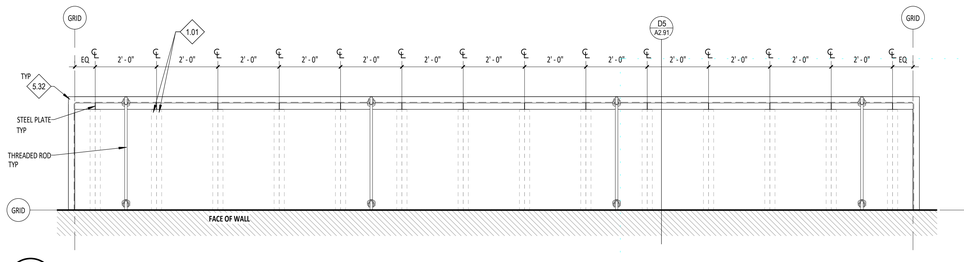
E1 A2.91 FITNESS ROOF TO WALL DETAIL @ GL 7 AND SLEEP ROOM 113b
1 1/2" = 1'-0"



E2 A2.91 PIPE FLASHING DETAIL
6" = 1'-0"



D5 A2.91 TYP CANOPY DETAIL
1 1/2" = 1'-0"



E4 A2.91 TYP CANOPY DETAIL (PLAN)
1/2" = 1'-0"

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Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:
3 ADDENDUM 02 02/21/22

Project No: 20-041
Date: 01/18/2022
Checked By: RC, MS
Drawn By: DS

Sheet Name:
ROOF DETAILS

100% BID SET

Sheet No:
A2.91

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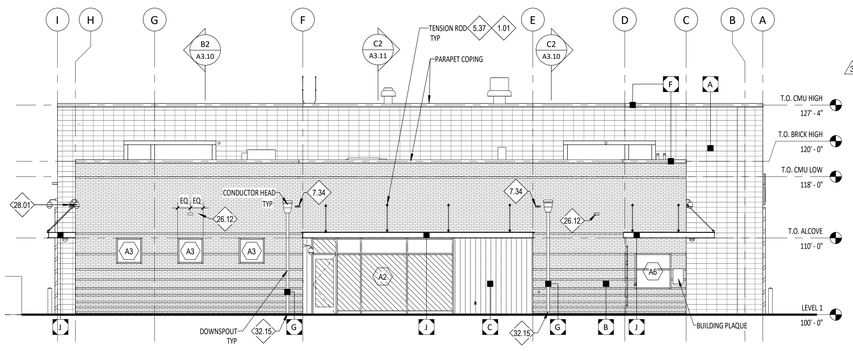
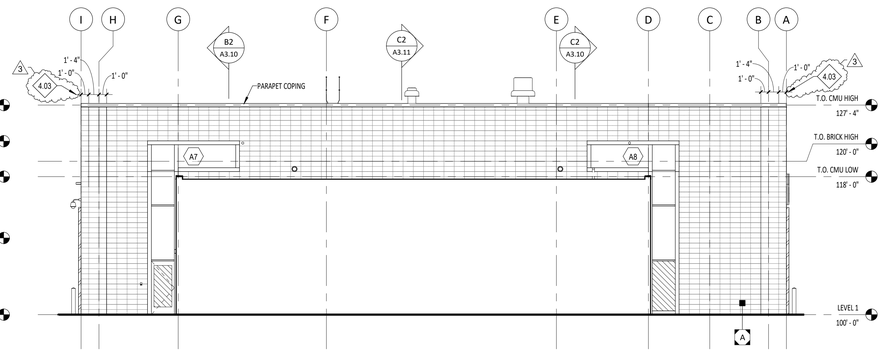
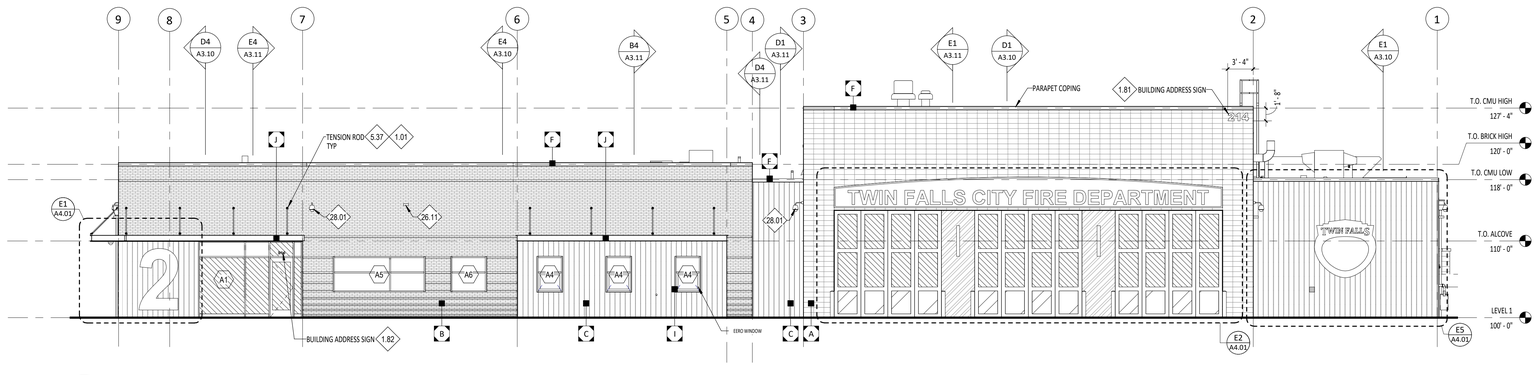


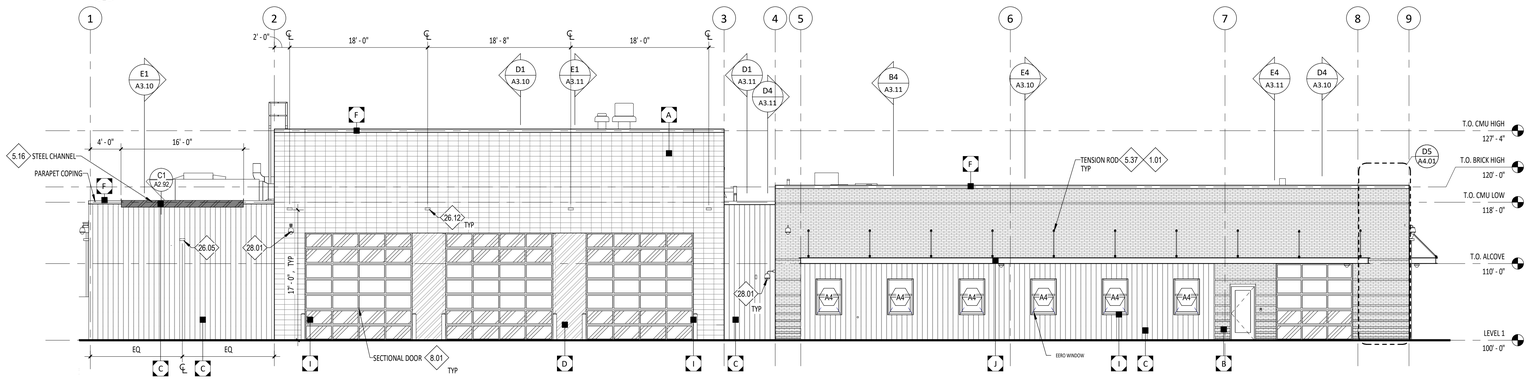
B1 A3.01 EXTERIOR ELEVATION-EAST
1/8" = 1'-0"



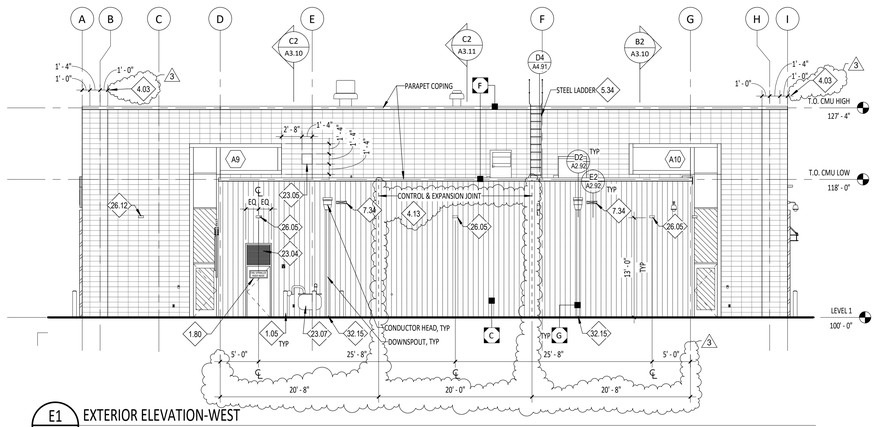
B4 A3.01 EXTERIOR ELEVATION-EAST_02
1/8" = 1'-0"



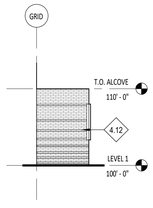
C1 A3.01 EXTERIOR ELEVATION-NORTH
1/8" = 1'-0"



D1 A3.01 EXTERIOR ELEVATION-SOUTH
1/8" = 1'-0"



E1 A3.01 EXTERIOR ELEVATION-WEST
1/8" = 1'-0"



E3 A3.01 ELEVATION ALCOVE - TYP
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.05	COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS.
1.80	'FIRE SPRINKLER RISER INSIDE' SIGNAGE. 2" HIGH LETTERING WITH 3/8" STROKE
1.81	1' - 0" TALL ADDRESS NUMBERS. FINISH TO BE MATTE BLACK.
1.82	4" TALL WHITE VINYL ADDRESS NUMBERS.
4.03	CMU BLOCK LAYOUT. RE: DETAIL B3 AND D3/A4.92.
4.12	BRICK OFFSET TO MATCH ADJACENT BRICK WALLS. RE: ENLARGED ELEVATION D5/A4.01 FOR EXTENTS OF BRICK OFFSET WITHIN ALCOVE.
4.13	CONTROL & EXPANSION JOINT @ CMU WALL ASSEMBLY
5.16	FINISH TO MATCH PARAPET COPING.
5.34	FINISH: GALVANIZED STEEL
5.37	TENSION ROD TO MATCH MATTE BLACK FINISH.
7.34	OVERFLOW OPENING
8.01	DOOR AS SCHEDULED. RE: SHEET A7.01
23.04	LOUVER, COORDINATE WITH MECHANICAL DRAWINGS.
23.05	DIESEL EXHAUST SYSTEM PENETRATION. COORDINATE WITH MECHANICAL AND STRUCTURAL DRAWINGS.
23.07	GAS METER. COORDINATE WITH MECHANICAL DRAWINGS.
26.05	EXTERIOR LIGHTING. COORDINATE WITH ELECTRICAL DRAWINGS. LIGHT FIXTURE TO BE COORDINATED BETWEEN STANDING SEAM METAL PANEL RIBS, TYP.
26.11	ALIGN TOP WITH TOP OF MOUNTED BRACKETS.
26.12	LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.
28.01	SECURITY CAMERA. COORDINATE WITH TECHNOLOGY DRAWINGS.
32.15	RE: CIVIL DETAIL ON CS.10, DOWNSPOUT TO DISCHARGE BELOW GRADE.

GENERAL NOTES - BUILDING ELEVATIONS

1. RE: FLOOR PLANS FOR EXTERIOR DOOR AND WINDOW TYPES.
2. RE: WALL SECTIONS FOR ADDITIONAL CHAMFER BLOCK AND BANDING LOCATIONS

LEGEND - BUILDING ELEVATIONS

A	HATCH PATTERN INDICATES AREAS OF STACKED BOND - PRECISION-FACE C.M.U. COORDINATE WITH WALL SECTIONS, BUILDING SECTIONS, BUILDING ELEVATIONS AND DETAILS FOR EXACT COARSING. COLOR: 615 SM PREMIUM COLOR. RE: DIVISION 04 - MASONRY IN THE SPECIFICATIONS.
B	HATCH PATTERN INDICATES AREAS OF BRICK. COORDINATE WITH WALL SECTIONS FOR EXACT COARSING. COLOR: LB427 PLUM GRAIN - SUMMIT BRICK. RE: DIVISION 04 - MASONRY IN THE SPECIFICATIONS.
C	HATCH PATTERN INDICATES AREAS OF MATTE BLACK STANDING SEAM METAL PANEL. COLOR: MATTE BLACK - STANDARD COLOR. RE: DIVISION 05 - METALS IN THE SPECIFICATIONS.
D	HATCH PATTERN INDICATES AREAS OF MATTE BLACK STEEL PLATE. RE: DIVISION 05 - METALS IN THE SPECIFICATIONS.
E	HATCH PATTERN INDICATES AREAS OF WOOD SOFFIT PANEL. RE: DIVISION 06 - WOOD PLASTIC COMPOSITES IN THE SPECIFICATIONS.
F	TAG INDICATES METAL COPINGS. FINISH TO BE MATTE BLACK. RE: SPECIFICATIONS 07 62 00.
G	TAG INDICATES DOWNSPOUTS, PARAPET SCUPPERS, AND CONDUCTOR HEADS. FINISH TO BE MATTE BLACK. RE: SPECIFICATIONS 07 62 00.
H	TAG INDICATES METAL FABRICATION. FINISH RED TO MATCH APPARATUS BAY DOORS. RE: SPECIFICATIONS 05 55 00.
I	TAG INDICATES BENT METAL FRAME. FINISH TO BE MATTE BLACK. RE: SPECIFICATIONS 07 62 00.
J	TAG INDICATES MATTE BLACK METAL CHANNEL CANOPY. RE: DIVISION 5 - METALS IN THE SPECIFICATIONS.

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01.17.22

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Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

1	CITY COMMENTS	02/11/22
2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

100% BID SET

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS, GG
Drawn By:	DS

Sheet Name:
BUILDING ELEVATIONS

Sheet No:
A3.01

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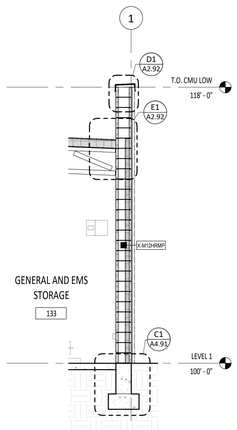
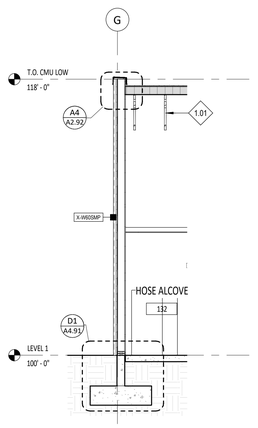
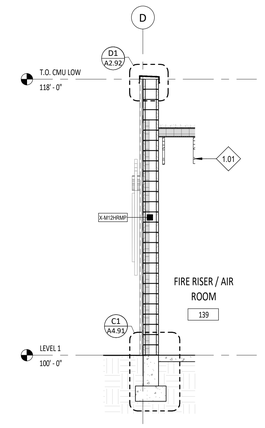


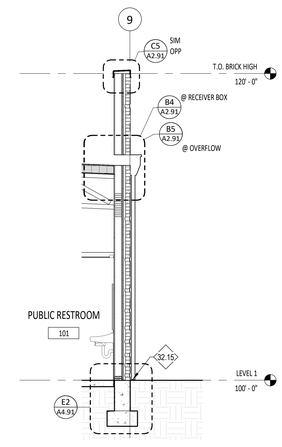
B1 A4.11 WALL SECTION (GRID G/1)
1/4" = 1'-0"



B2 A4.11 WALL SECTION (GRID 3/G)
1/4" = 1'-0"



B3 A4.11 WALL SECTION (GRID D/1)
1/4" = 1'-0"



B4 A4.11 WALL SECTION (GRID 9/D)
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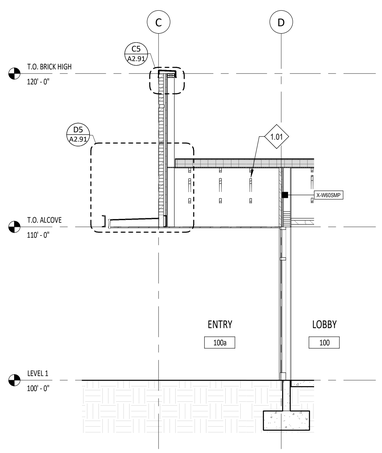
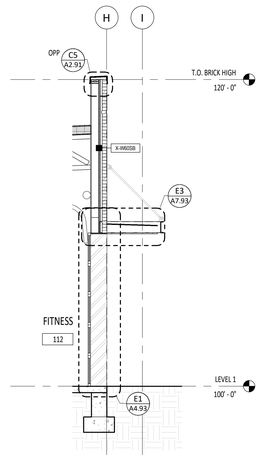


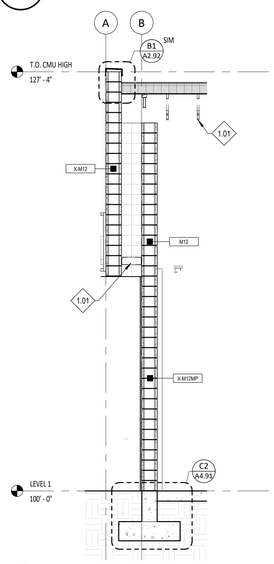
B5 A4.11 WALL SECTION (GRID 8/C AND D)
1/4" = 1'-0"



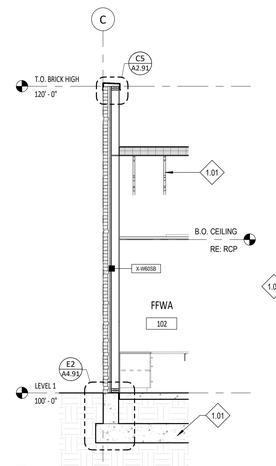
B6 A4.11 WALL SECTION (GRID 8/H AND I)
1/4" = 1'-0"

NOTES - REFERENCE NOTES

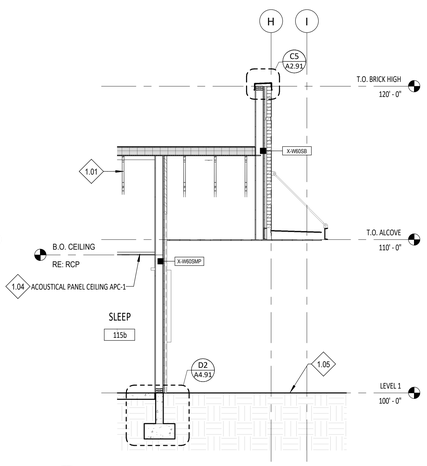
1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.04	COORDINATE WITH REFLECTED CEILING PLAN.
1.05	COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS.
32.15	RE: CIVIL DETAIL ON CS.10, DOWNSPOUT TO DISCHARGE BELOW GRADE.



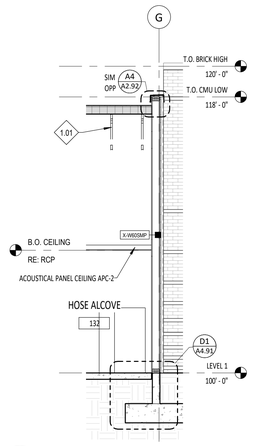
D1 A4.11 WALL SECTION (GRID 3/A AND B)
1/4" = 1'-0"



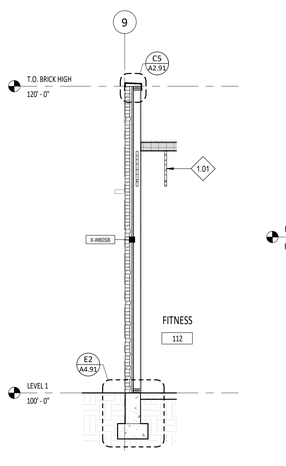
D2 A4.11 WALL SECTION (GRID 6/C)
1/4" = 1'-0"



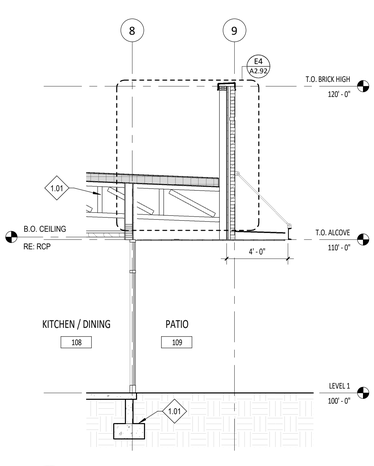
D3 A4.11 WALL SECTION (GRID 6/H)
1/4" = 1'-0"



D4 A4.11 WALL SECTION (GRID G/4)
1/4" = 1'-0"



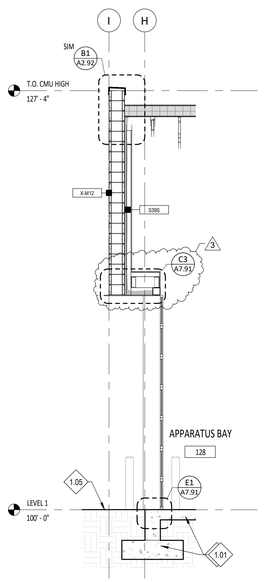
D5 A4.11 WALL SECTION (GRID G/9)
1/4" = 1'-0"



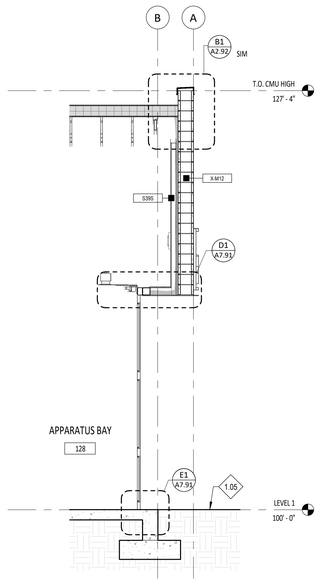
D6 A4.11 WALL SECTION (GRID F/8 AND 9)
1/4" = 1'-0"

GENERAL NOTES - WALL SECTIONS

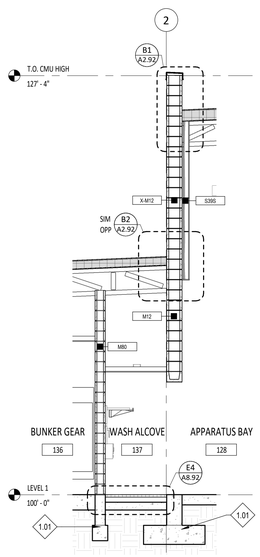
1. FOR SIZE AND CONNECTION DETAILS OF WOOD FRAMING COMPONENTS (BEAMS AND COLUMNS), WOOD JOISTS AND STEEL GIRDERS, WOOD DECKING AND OTHER WOOD SECTIONS, REFERENCE THE STRUCTURAL DRAWINGS.
2. FOR REINFORCING OF CONCRETE SLABS, FOOTINGS AND FOUNDATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
3. FOR REINFORCEMENT OF CONCRETE MASONRY UNIT WALLS, COORDINATE WITH STRUCTURAL DRAWINGS.
4. FOR WINDOW TYPES, COORDINATE WITH FLOOR PLANS.
5. PROVIDE BITUMINOUS DAMPPROOFING ON ALL EXTERIOR FOUNDATION WALLS AS PER SPECIFICATION DIVISION 7. PROVIDE BELOW GRADE ONLY.
6. RE:FLOOR PLANS FOR WALL TYPES.
7. ALL EXPOSED INTERIOR CMU WALLS SHALL BE FINISHED WITH WATER REPELLANTS PER SECTION 07 19 00.
8. ON ALL FOUNDATION DETAILS COORDINATE WITH GEO TECH FOR DEPTH.
9. TERMINATE TPO AT 18" ABOVE TOP OF ROOF UNO.
10. EXTEND WALL FRAMING AND GYPSUM BOARD FINISH TO ROOF DECK WHERE INDICATED. INSTALL DOUBLE TOP PLATE CONDITION AT BOTTOM TRUSS CHORD AND FRAME PONY WALL TO ROOF DECK. AT PERPENDICULAR WALL TO TRUSS LOCATIONS, SOLID BLOCK TRUSS CHORDS AT WALL INTERSECTIONS TO TERMINATE GYPSUM BOARD AND MAINTAIN FIRE RESISTIVE RATING TO ROOF DECK. LATERALLY BRACE WALL AT 4'-0" O.C. ABOVE 14'-0" A.F.F.



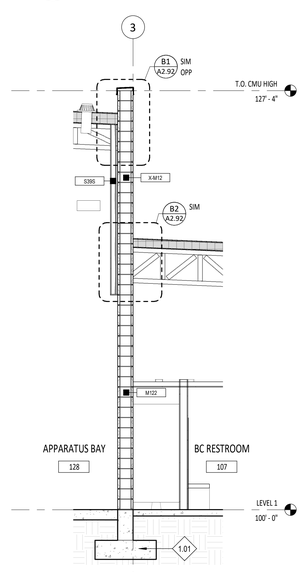
E1 A4.11 WALL SECTION (2 AND 3/I AND H)
1/4" = 1'-0"



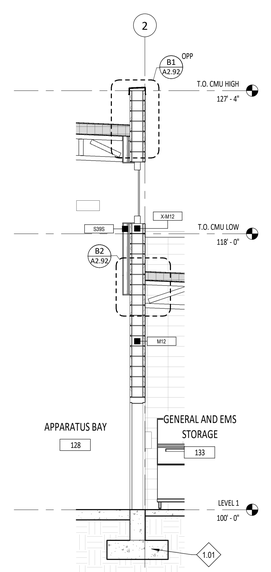
E2 A4.11 WALL SECTION (GRID A AND B/2 AND 3)
1/4" = 1'-0"



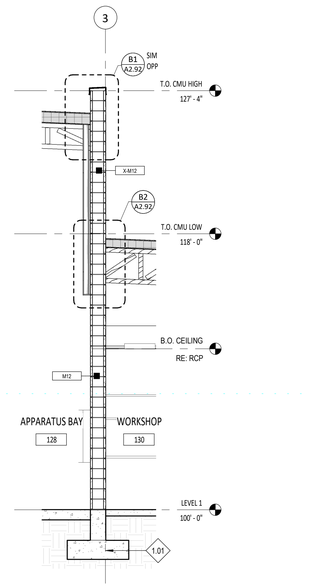
E3 A4.11 WALL SECTION (GRID F/2)
1/4" = 1'-0"



E4 A4.11 WALL SECTION (GRID D/3)
1/4" = 1'-0"



E5 A4.11 WALL SECTION (GRID G/2)
1/4" = 1'-0"



E6 A4.11 WALL SECTION (GRID F/3)
1/4" = 1'-0"

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01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

100% BID SET

Revisions:

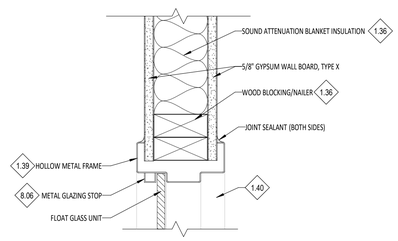
2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

Project No: 20-041
Date: 01/18/2022
Checked By: RC, MS
Drawn By: DS

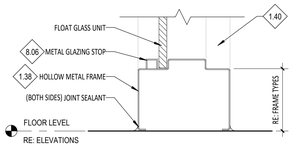
Sheet Name:
EXTERIOR WALL SECTIONS

Sheet No:
A4.11

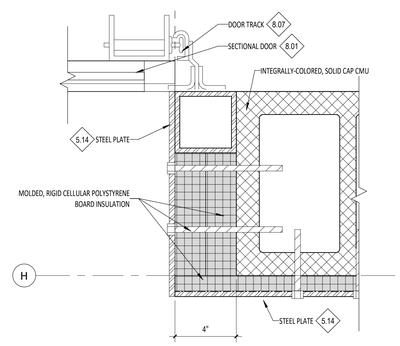
2/21/2022 12:11:29 PM



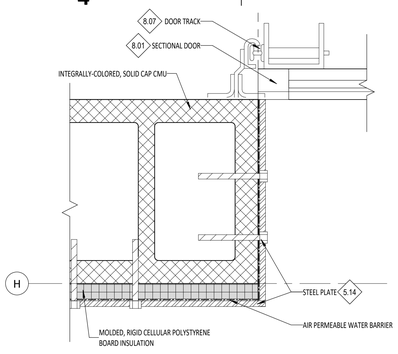
A1 A7.91 TYP HM WINDOW HEAD/JAMB DETAIL @ INTERIOR PARTITION
3" = 1'-0"



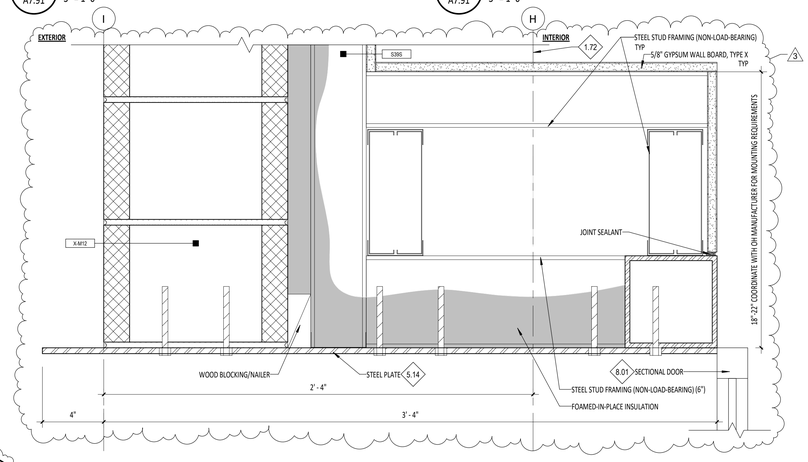
B1 A7.91 TYP HM WINDOW SILL DETAIL
3" = 1'-0"



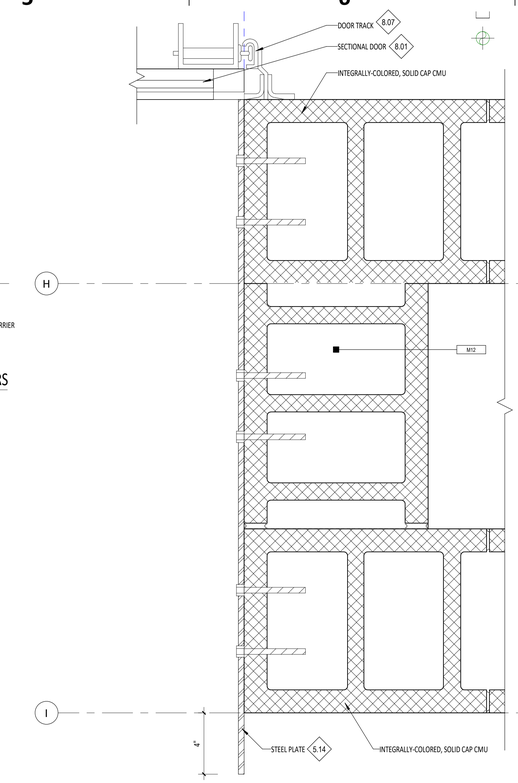
A3 A7.91 JAMB DETAIL @ OVERHEAD DOORS (ALUMINUM) @ PIERS_02
3" = 1'-0"



A4 A7.91 JAMB DETAIL @ OVERHEAD DOORS (ALUMINUM) @ PIERS
3" = 1'-0"



C3 A7.91 HEAD DETAIL @ OVERHEAD DOORS (ALUMINUM)
3" = 1'-0"



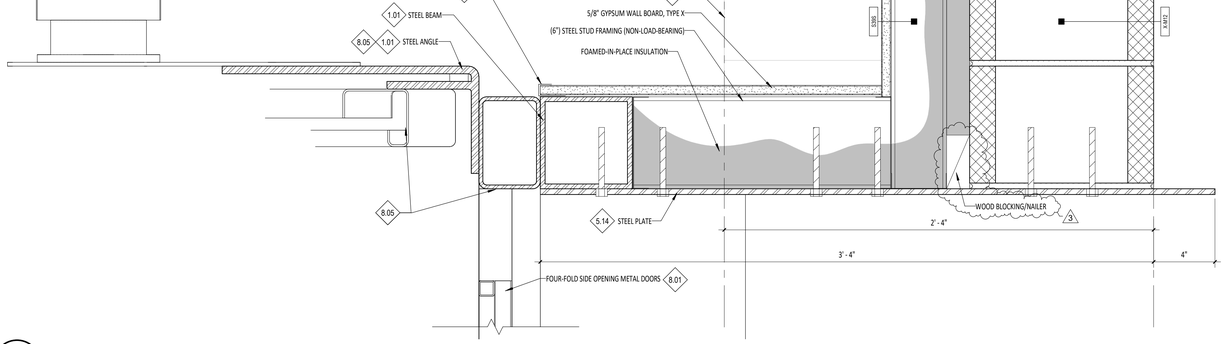
A5 A7.91 JAMB DETAIL @ OVERHEAD DOORS (ALUMINUM) @ CORNERS
3" = 1'-0"

NOTES - REFERENCE NOTES

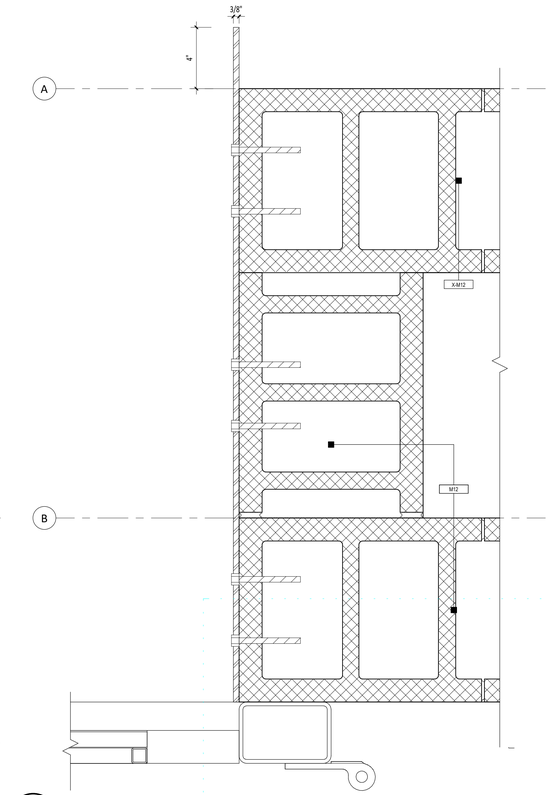
1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.05	COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS.
1.36	RE: FLOOR PLANS, WALL TYPES, AND/OR WALL SECTIONS.
1.38	RE: FLOOR PLANS AND FRAME TYPES
1.39	RE: FLOOR PLANS, DOOR SCHEDULE AND DOOR AND FRAME TYPES
1.40	FRAME BEYOND
1.72	PIER BEYOND. RE: DETAIL B3/A4.91 AND B5/A4.91
3.10	TAPER CONCRETE AT SECTIONAL DOORWAY LOCATIONS.
5.14	3/8" STEEL PLATE. FINISH BLACK.
8.01	DOOR AS SCHEDULED. RE: SHEET A7.01
8.05	FOUR-FOLD DOOR SUPPORT FRAME PER MANUFACTURER
8.06	GLAZING STOP TO BE PLACED ON THE ROOM SIDE OPPOSITE ANY HALLWAY/CORRIDOR.
8.07	FULL VERTICAL TRACK.

GENERAL NOTES - DOORS & FRAMES

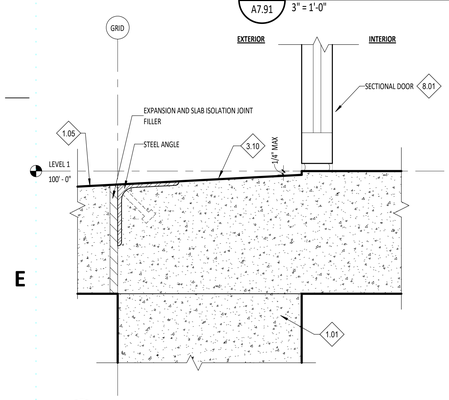
1. PAINT ALL METAL FRAMES & ACCESSORIES TO P-4.
2. ALL HOLLOW METAL FRAME GLAZING STOPS TO BE PLACED ON ROOM SIDE OPPOSITE FROM HALLWAY / CORRIDOR.
3. PROVIDE FULLY TEMPERED FIRE-RATED GLAZING, PER SPECIFICATION SECTION 08 80 00, IN METAL FRAMES AND DOORS WHERE 60M ASSEMBLY AT DOORS ARE REQUIRED (RE: DOOR SCHEDULE). FIRE-RATED GLAZING ASSEMBLY SHALL BE 60M.
4. PROVIDE FULLY TEMPERED GLASS UNITS WHERE REQUIRED BY I.B.C. SECTION 2406 AND SPECIFICATION SECTION 08 80 00 GLAZING.
5. PROVIDE FLOAT GLASS, PER SPECIFICATION SECTION 08 80 00, AT CONDITIONS OTHER THAN DESCRIBED IN GENERAL NOTES 3 AND 4 OF DRAWING SHEET.
6. COORDINATE ALL INDICATED FRAME DETAILS WITH ACTUAL MASONRY WALL CONFIGURATION. RE: BUILDING ELEVATIONS AND WALL SECTIONS FOR MASONRY PROFILES. APPLY DETAILS AS APPLICABLE.
7. COORDINATE WITH FLOOR PLANS AND SECTIONS FOR WALL TYPES.
8. RE: STRUCTURAL DRAWINGS FOR REINFORCEMENT FOR CMU WALLS.



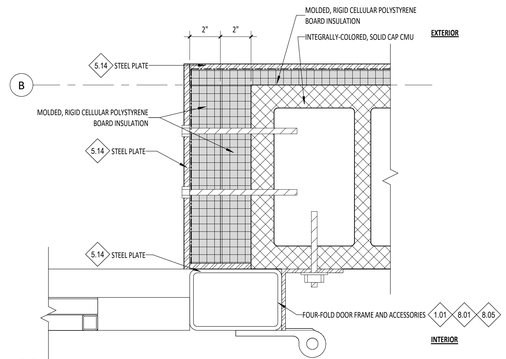
D1 A7.91 HEAD DETAIL @ FOUR FOLD DOORS (ALUMINUM)
3" = 1'-0"



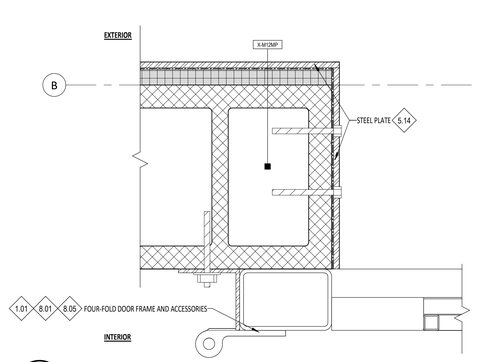
E5 A7.91 JAMB DETAIL @ FOUR FOLD DOORS (ALUMINUM) @ CORNERS
3" = 1'-0"



E1 A7.91 TYP SILL DETAIL @ SECTIONAL DOORS
3" = 1'-0"



E2 A7.91 JAMB DETAIL @ FOUR FOLD DOORS (ALUMINUM) @PIERS_02
3" = 1'-0"



E4 A7.91 JAMB DETAIL @ FOUR FOLD DOORS (ALUMINUM) @ PIERS
3" = 1'-0"

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Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

3	ADDENDUM 02	02/21/22

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS
Drawn By:	DS, KD

Sheet Name:

FRAME DETAILS

100% BID SET

Sheet No:

A7.91

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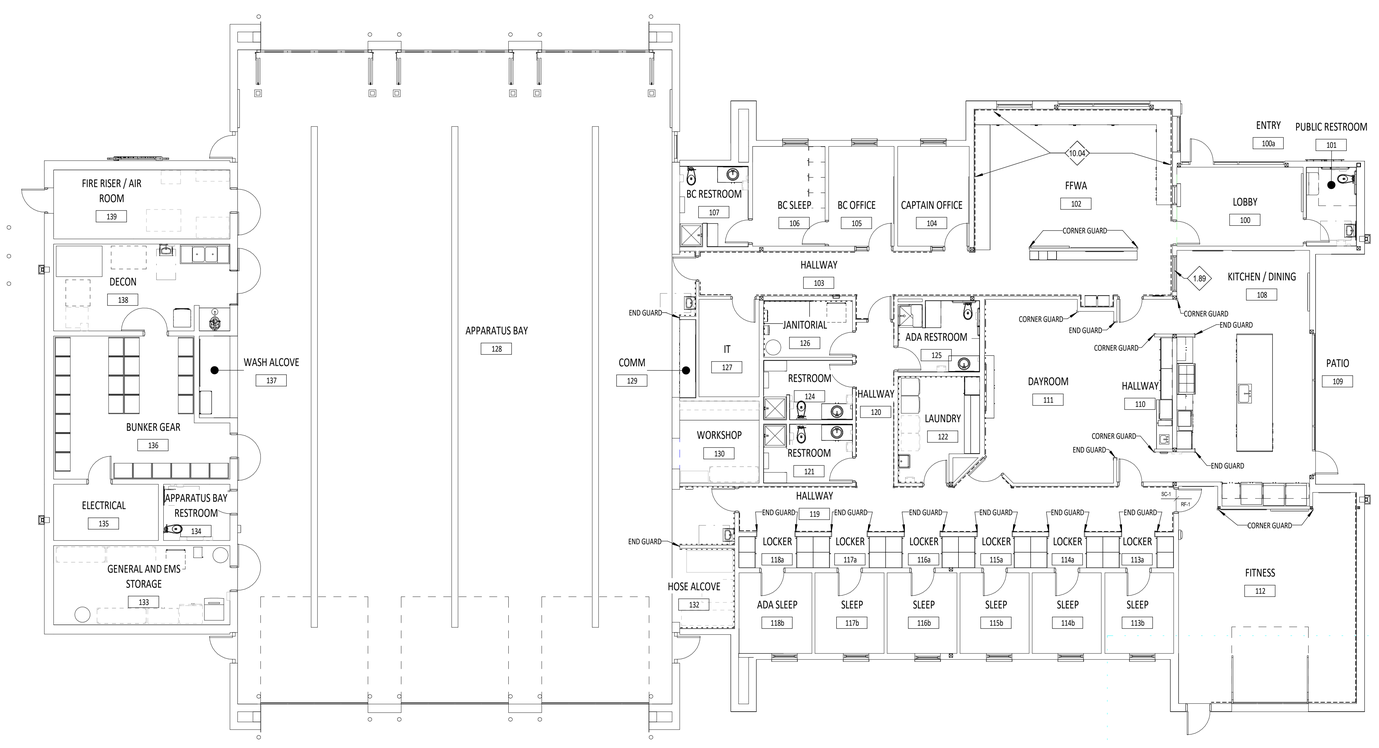
SCHEDULE - ROOM FINISH

ROOM NO.	ROOM TITLE	FLOOR		WALLS				CASEWORK				CEILING FINISH	WINDOW TREATMENTS	REMARKS
		MAT.	BASE	NORTH	EAST	SOUTH	WEST	CABINETRY - UPPER	CABINETRY - BASE	COUNTER TOP	WINDOW SILL			
100	LOBBY	CONC-1	CT-1	P-1	P-1	P-1	P-1	-	-	SDS-1	-	WD-1	-	
100a	ENTRY	-	-	-	-	SEE WALL TYPES	-	-	-	-	-	-	-	3
101	PUBLIC RESTROOM	CONC-1	MCB-1	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	-	-	-	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
102	FFWA	CONC-1	CT-1	P-1	P-1	P-1	P-1	-	PL-1	SDS-1	SDS-1	APC-1	WCV-2	
103	HALLWAY	CONC-1	CT-1 / CT-2	P-1 / PL-3	P-1 / PL-3	P-1 / PL-3	P-1	PL-1	-	SDS-1	-	APC-1	-	CT-2 BELOW WALL PROTECTION, CT-1 AT AREAS WITH NO WALL PROTECTION
104	CAPTAIN OFFICE	CONC-1	CT-1	P-1	P-1	P-1	P-1	-	-	-	SDS-1	APC-1	WCV-2	
105	BC OFFICE	CONC-1	CT-1	P-1	P-1	P-1	P-1	-	-	-	SDS-1	APC-1	WCV-2	
106	BC SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	PL-1	PL-1	-	SDS-1	APC-1	WCV-1	
107	BC RESTROOM	CONC-1	MCB-1	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	P-3	-	PL-1	SDS-1	-	GBD	-	
108	KITCHEN / DINING	CONC-1	CT-1 / CT-2	P-1	P-1	P-1	P-1	PL-1	PL-1, PL-2	SDS-1	-	WD-1	WCV-2	ALL BASE CABINETS AT ISLAND TO BE PL-2, CT-2 UNDER ISLAND COUNTER OPENING, SDS-1 TO BE BACKSPLASH - RE: INTERIOR ELEVATIONS
109	PATIO	-	-	SEE WALL TYPES	-	SEE WALL TYPES	SEE WALL TYPES	-	-	-	-	-	-	
110	HALLWAY	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	SDS-1	-	APC-1	-	
111	DAYROOM	CONC-1	CT-1	3 P-1	P-1	P-1	P-3	-	PL-1	SDS-1	-	APC-1	-	
112	FITNESS	RF-1	RB-1	P-1 / PLYWOOD	P-1 / PL-3	P-1 / PL-3	P-1 / MIRROR	-	-	-	-	OTS	-	RE: INTERIOR ELEVATIONS FOR EXTENTS OF PLYWOOD 3
113a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
113b	SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
114a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
114b	SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
115a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
115b	SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
116a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
116b	SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
117a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
117b	SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
118a	LOCKER	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	-	-	GBD	-	
118b	ADA SLEEP	CONC-1	CT-1	P-2	P-2	P-2	P-2	-	-	-	SDS-1	APC-1	WCV-1	
119	HALLWAY	CONC-1	CT-1 / CT-2	P-1 / PL-3	P-1 / PL-3	P-1 / PL-3	P-1 / PL-3	-	-	-	-	APC-1	-	CT-2 BELOW WALL PROTECTION
120	HALLWAY	CONC-1	CT-1 / CT-2	P-1 / PL-3	P-1 / PL-3	P-1 / PL-3	P-1 / PL-3	-	-	-	-	APC-1	-	CT-2 BELOW WALL PROTECTION 3
121	RESTROOM	CONC-1	MCB-1	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	-	PL-1	SDS-1	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
122	LAUNDRY	CONC-1	CT-1	P-1	P-1	P-1	P-1	PL-1	PL-1	SDS-1	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
124	RESTROOM	CONC-1	MCB-1	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	-	PL-1	SDS-1	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
125	ADA RESTROOM	CONC-1	MCB-1	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	P-3 / CT-3	-	-	SDS-1	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
126	JANITORIAL	CONC-1	CT-1	P-1	P-1	P-1	P-1	-	-	-	-	3 OTS	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING
127	IT	SC-2	CT-1	P-1	P-1	P-1	P-1	-	-	-	-	OTS	-	
128	APPARATUS BAY	SC-2	SEALANT	-	-	-	-	-	-	-	-	OTS	-	SEE FINISH PLAN AND ELEVATIONS FOR FRP LOCATIONS, GWB WALLS TO RECEIVE P-1, WOOD STRUCTURE TO RECEIVE CLEAR COAT FINISH
129	COMM	SC-2	CT-1	P-1	P-1	P-1	-	-	PL-1	SDS-1	-	GBD	-	CT-1 AT TOE KICK
130	WORKSHOP	SC-2	SEALANT	P-1	P-1	P-1	-	-	-	SS-1	-	APC-1	-	
132	HOSE ALCOVE	SC-2	SEALANT	P-1	P-1	P-1	-	-	-	-	-	GBD	-	ROOM TO RECEIVE EPOXY PAINT AT WALLS/CEILING 3
133	GENERAL AND EMS STORAGE	SC-2	SEALANT	-	-	-	-	-	-	-	-	3 OTS	-	
134	APPARATUS BAY RESTROOM	SC-2	SEALANT	-	-	-	-	-	-	-	-	GBD	-	
135	ELECTRICAL	SC-2	SEALANT	-	-	-	-	-	-	-	-	OTS	-	
136	BUNKER GEAR	SC-2	SEALANT	-	-	-	-	-	-	-	-	GBD	-	
137	WASH ALCOVE	SC-2	SEALANT	-	-	-	-	-	-	-	-	GBD	-	
138	DECON	SC-2	SEALANT	-	-	-	-	-	-	-	-	GBD	-	
139	FIRE RISER / AIR ROOM	SC-2	SEALANT	-	-	-	-	-	-	-	-	OTS	-	

SCHEDULE - FINISH LEGEND

FINISH	PRODUCT DESCRIPTION	COMMENTS
APC-1	CEILING TILE	
CONC-1	POLISHED CONCRETE FLOOR	
CT-1	PORCELAIN WALL BASE	
CT-2	PORCELAIN WALL BASE	
CT-3	CERAMIC WALL TILE	
FRP-1	PLASTIC SHEET PANELING	
GBD-1	GYPSUM BOARD	
MCB-1	METAL COVE BASE	
P-1	PAINT	
P-2	PAINT	
P-3	PAINT	
PL-1	PLASTIC LAMINATE CABINETRY	
PL-2	PLASTIC LAMINATE CABINETRY AND WAINSCOT	LOWER CABINETS @ ISLAND IN KITCHEN / DINING
PL-3	PLASTIC LAMINATE WALL PROTECTION	
RB-1	RUBBER WALL BASE	
RF-1	RUBBER ATHLETIC FLOORING	
SC-2	HARD TROWELED AND SEALED CONCRETE	
SDS-1	SOLID SURFACE COUNTERTOPS - QUARTZ	
SS-1	STAINLESS STEEL COUNTERTOP	
WCV-1	ROLLER SHADE - BLACKOUT	
WCV-2	ROLLER SHADE - LIGHT-FILTERING	
WD-1	WOOD CEILING	



E2 / A8.01 LEVEL 1-FINISH FLOOR PLAN
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.89 WALL PROTECTION TO CUT AROUND WINDOW. RE: INTERIOR ELEVATION B2/A8.51

10.04 PL-2 UNDER COUNTER OPENINGS, TYP. RE INTERIOR ELEVATIONS.

GENERAL NOTES - FINISHES

1. RE: ROOM FINISH SCHEDULE SHEET FOR ADDITIONAL INFORMATION ON FLOOR AND WALL FINISHES.
2. RE: INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION.
3. TILE PATTERNS MUST MAINTAIN EXACT CONFIGURATION SHOWN.
4. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
5. RE: REFLECTED CEILING PLANS FOR CEILING AND SOFFIT PAINT COLOR LOCATIONS.
6. ALL TILE PATTERNS ARE TO BE FULL TILES EXCEPT WHERE PATTERN IS INTERRUPTED BY PROTIONS OF BUILDING. SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
7. RE: DIVISION 9, SECTION "RESILIENT WALL BASE AND ACCESSORIES" FOR TRANSITIONS AND OTHER FLOORING ACCESSORIES.
8. FOR RUBBER WALL BASE JOB FORM INSIDE AND OUTSIDE CORNERS.
9. PROVIDE ADA COMPLIANT FLOOR ACCESSORIES FOR FLOORING TRANSITIONS.
10. NOT ALL FLOOR FINISHES ARE SHOWN ON FLOOR FINISH PLANS. RE: ROOM FINISH SCHEDULE FOR ALL FLOOR FINISH LOCATIONS.
11. PROVIDE ALUMINUM CORNER TRIMS AT ALL WALL PROTECTION OUTSIDE CORNERS.
12. CORNER GUARDS AND END GUARDS SHALL BE INSTALLED ABOVE BASE TO LINE UP WITH BASE AND TOP OF WALL PROTECTION AT SPECIFIED LOCATIONS.

ABBREVIATIONS

FLOOR FINISHES

RF RUBBER FLOOR TILE
SC SEALED CONCRETE
RFA RESILIENT FLOOR ACCESSORY

WALL BASE

CT CERAMIC TILE
RB RESILIENT BASE
MCB METAL COVE BASE

WALL FINISHES

CT TILE
FRP PLASTIC SHEET PANELING
P PAINT
PL PLASTIC LAMINATE PANELING

CEILINGS

APC ACOUSTICAL PANEL CEILING
WD WOOD CEILING
GBD GYPSUM BOARD
OTS OPEN TO STRUCTURE

CASEWORK

PL PLASTIC LAMINATE
SDS SOLID SURFACE
SS STAINLESS STEEL

WINDOW TREATMENT

WCV WINDOW COVERING

LEGEND

FRP
PL
P

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01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS
Drawn By:	DS

Sheet Name:

LEVEL 1 - FINISH FLOOR PLAN AND ROOM FINISH SCHEDULE

100% BID SET

Sheet No:

A8.01

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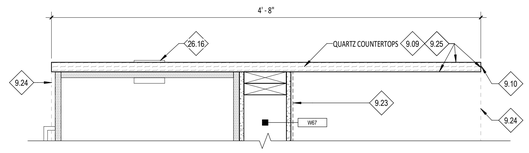
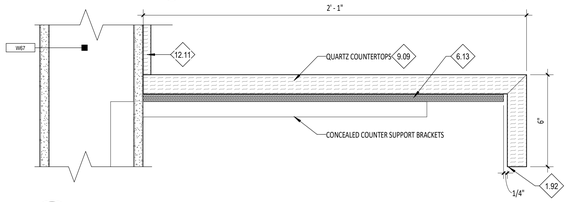
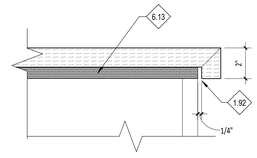


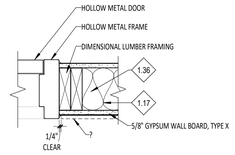
A1 A8.92 WATERFALL COUNTERTOP @ EDGE (PLAN SECTION)
1 1/2" = 1'-0"



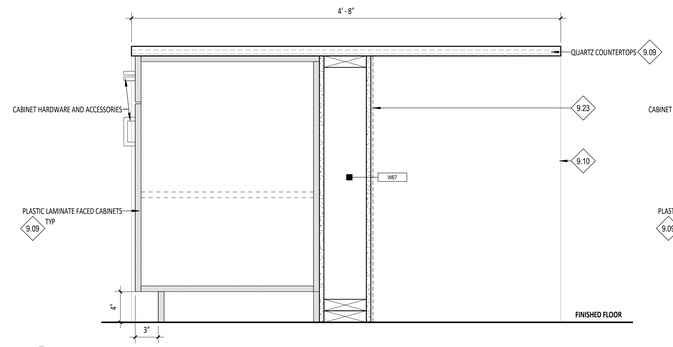
A3 A8.92 TYP ADA COUNTER DETAIL
3" = 1'-0"



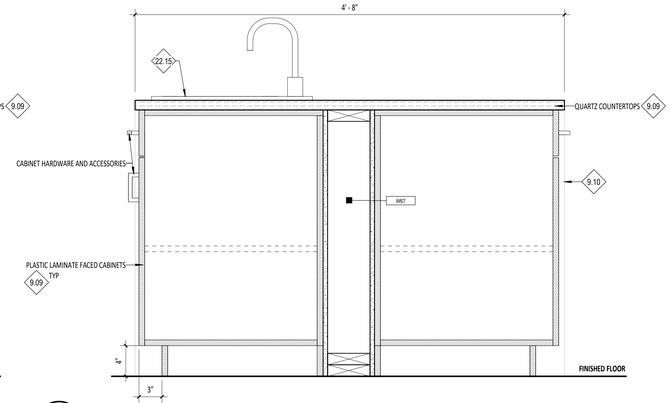
A5 A8.92 TYP COUNTER EDGE DETAIL
3" = 1'-0"



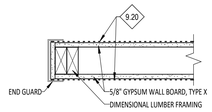
A6 A8.92 TYP WALL PROTECTION AT DOOR FRAME
1 1/2" = 1'-0"



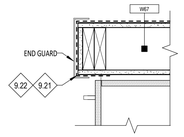
B1 A8.92 KITCHEN/DINING 108 - ISLAND CASEWORK_02
1 1/2" = 1'-0"



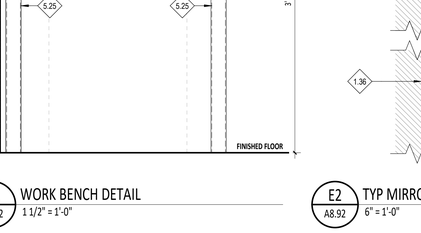
B3 A8.92 KITCHEN/DINING 108 - ISLAND CASEWORK
1 1/2" = 1'-0"



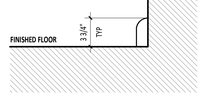
B5 A8.92 TYP END WALL PROTECTION
1 1/2" = 1'-0"



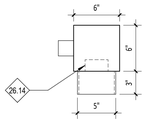
B6 A8.92 END GUARD DETAIL @ LOCKER
1 1/2" = 1'-0"

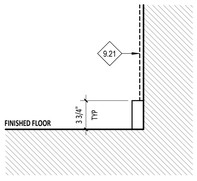


C1 A8.92 MICROWAVE SHELF DETAIL (SECTION)
1 1/2" = 1'-0"

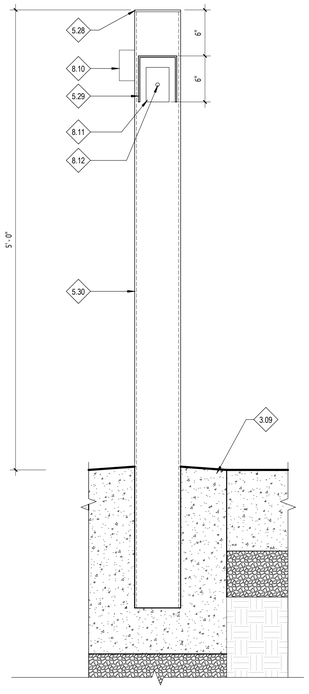


C2 A8.92 CT-1 BULLNOSE BASE DETAIL
1 1/2" = 1'-0"

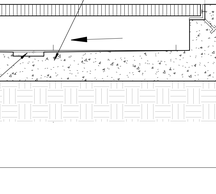




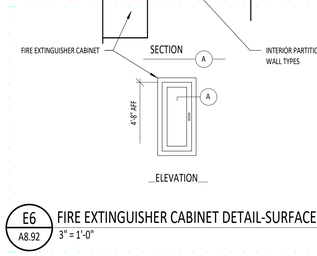
D2 A8.92 CT-2 SQUARED BASE DETAIL
1 1/2" = 1'-0"



C4 A8.92 CORNER GUARD DETAIL
3" = 1'-0"



C5 A8.92 APRON DETAIL @ ADA RESTROOM
3" = 1'-0"



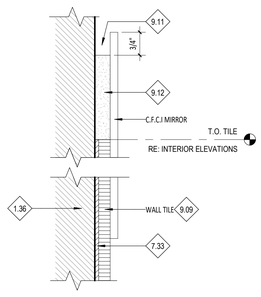
C6 A8.92 TYPICAL ALCOVE TERMINATION
1 1/2" = 1'-0"

D4 A8.92 GRATE DETAIL AT JANITORIAL 126
1 1/2" = 1'-0"

E4 A8.92 GRATE DETAIL AT WASH ALCOVE 137
1 1/2" = 1'-0"

E6 A8.92 FIRE EXTINGUISHER CABINET DETAIL-SURFACE MOUNTED
3" = 1'-0"

E1 A8.92 WORK BENCH DETAIL
1 1/2" = 1'-0"



E2 A8.92 TYP MIRROR MOUNT DETAIL (SECTION) @ TILE
6" = 1'-0"

E3 A8.92 TYP PEDESTAL W/ DOOR OPERATOR DETAIL
1 1/2" = 1'-0"

NOTES - REFERENCE NOTES

1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.17	WHERE OCCURS.
1.33	SLOPE TO DRAIN. SLOPE 1/8" PER 1'-0".
1.36	RE: FLOOR PLANS, WALL TYPES, AND/OR WALL SECTIONS.
1.64	INTERIOR PARTITION. SEE WALL TYPES.
1.65	FASTENER PER MANUFACTURER'S RECOMMENDATIONS
1.66	CONTINUOUS PLASTIC RETAINER.
1.92	1/4" MIN GAP BETWEEN SUBTOP AND COUNTER TOP
3.09	CONCRETE FOOTING W/ SMOOTH FINISH. SLOPE TOP TO ENSURE POSITIVE DRAINAGE.
4.01	1" CHAMFER
4.08	END BLOCK SHOULD BE A FULL BLOCK SIZE. RE: BUILDING SECTIONS FOR BLOCK COURSING.
5.24	STEEL ANGLE TO MATCH FINISH OF BAR GRATE.
5.25	3" X 3" TUBE STEEL POSTS
5.26	2" X 2" TUBE STEEL
5.27	1/2" STAINLESS STEEL WORKBENCH TOP. WELD TO TUBE STEEL FRAME. GRIND SMOOTH ALL EXPOSED EDGES.
5.28	STEEL PLATE, SAND EDGES
5.29	3-SIDED PROTECTION. 3/16" BENT STEEL PLATE W/ 1/4" FILLET WELD. GRIND SMOOTH ALL EXPOSED EDGES.
5.30	HSS 6" X 6" X 1/4" COLUMN. PAINT TO MATCH FOUR FOLD DOORS.
6.12	COUNTERSUNK SOS SCREW.
6.13	3/4" PLYWOOD SUBTOP
7.33	ADHESIVE.
8.10	DOOR OPERATOR BUTTONS
8.11	BLANK COVER PLATE
8.12	MICRO-CELL PHOTO EYE
9.07	DASH LINE INDICATES FRP-1. PROVIDE SEALANT AT FRP TO FLOOR INTERSECTION U.N.O. RE: FINISH SCHEDULE AND PLAN.
9.09	RE: FINISH SCHEDULES A8.01.
9.10	QUARTZ COUNTERTOP TO WATERFALL TO FINISH FLOOR.
9.11	REVEAL AT TOP AND SIDES OF MIRROR.
9.12	TEMPERED HARDBOARD TO MATCH THICKNESS OF WALL TILE. PAINT TO MATCH WALL.
9.20	DASH LINE INDICATES FRP-1. PROVIDE SEALANT AT FRP TO FLOOR INTERSECTION U.N.O. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
9.21	DASH LINE INDICATES PL-1. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
9.22	WRAP PL-1 AROUND CORNER PAST LOCKERS.
9.23	DASH LINE INDICATES PL-2. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
9.24	QUARTZ COUNTER ABOVE.
9.25	QUARTZ COUNTERTOP AND WATERFALL EDGE FINISHED AT ALL EXPOSED SURFACES.
9.26	PLASTIC LAMINATE CLOSURE PANEL TO CEILING. ALIGN WITH FACE OF ADJACENT CABINETS. RE: SHEET A8.01 FINISH SCHEDULES.
11.02	KITCHEN HOOD. COORDINATE WITH MECHANICAL DRAWINGS.
11.21	O.F.O.I. TOOL CHEST
12.11	QUARTZ COUNTER TO BE BACKSPLASH. RE: INTERIOR ELEVATIONS FOR HEIGHT AND LOCATION.
22.10	FLOOR DRAIN. COORDINATE WITH PLUMBING DRAWINGS.
22.15	KITCHEN SINK. COORDINATE WITH PLUMBING DRAWINGS.
26.12	LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.
26.14	SINGLE GANG JUNCTION BOX. RE: ELECTRICAL DRAWINGS.
26.16	OUTLET LOCATION. COORDINATE WITH ELECTRICAL DRAWINGS.

GENERAL NOTES - INTERIOR ELEVATIONS

1. RE: ROOM FINISH SCHEDULE AND FINISH FLOOR PLANS FOR MATERIAL AND FINISH INFORMATION.
2. RE: BUILDING INFORMATION SHEETS FOR CODE AND FIRE INFORMATION.
3. RE: FLOOR PLANS AND DOOR SCHEDULE FOR DOOR AND FRAME TYPES.
4. RE: DIVISION 10, SECTION "VISUAL DISPLAY UNITS" FOR SIZES OF MARKER BOARDS AND TACK BOARDS.
5. PROVIDE RWB AT ALL TOE SPACES OF ALL CABINETS, SIDES OF CABINETS AND ALL KNEE SPACES BELOW CABINETS. RE: DIVISION 9, SECTION "RESILIENT BASE AND ACCESSORIES".
6. ALL EXPOSED INTERIOR END BLOCKS SHALL BE 1/2" CHAMFER.
7. PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT.
8. RE: SHEET G0.03 FOR TOILET ACCESSORY HEIGHTS AND CLEARANCES.
9. AT WARDROBE CASEWORK REFER TO EACH LOCATION TO VERIFY ORIENTATION AND LOCATIONS OF DOORS.
10. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.

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CLINT SIEVERS

01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22
3	ADDENDUM 02	02/21/22

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS
Drawn By:	DS, KD

Sheet Name:
INTERIOR DETAILS

100% BID SET

Sheet No:
A8.92

2/21/2022 12:11:40 PM

PRE-BID RFI - 24

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/15/22
Date Response Needed: 2/24/22
Spec Sections: N/A
Drawing References: S2.01,S4.51 S4.52

Request:

Paste a Screenshot Below

REF: Sheets S2.01, S4.51 & S4.52, attached:

On sheet S2.01, at non-bearing CMU walls, there is a mark CMU / 8 (TYP INT). On Sheet S4.51, this mark designation requires #6 @ 16" O.C. E/W. However, detail 1/S4.52 shows reinforcement of #5 @ 48" O.C. E/W at typical non-bearing CMU walls.

Which reinforcement is required for the non-bearing CMU walls? There is a considerable savings if #5 @ 48" O.C. E/W is used rather than #6 @ 16" O.C. E/W.

Response:

Paste a Screenshot Below

Use detail 1/S4.52 reinforcement for the interior non-bearing CMU walls.

Use detail 1/S4.51 for exterior 8" non-bearing CMU walls (generator & trash enclosures)

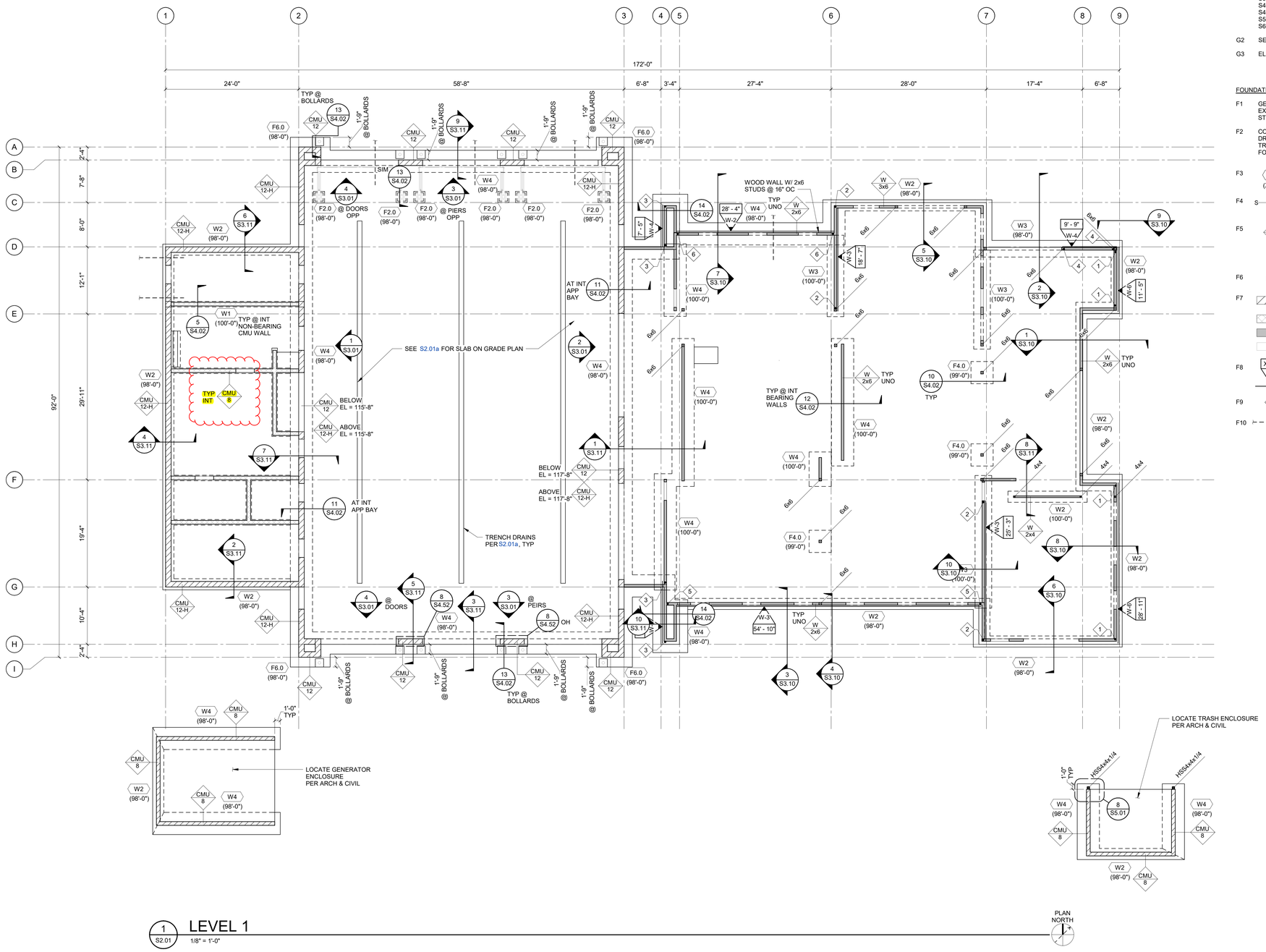
-Sidney Gold (KPFF) - 2/17/22

FOOTING SCHEDULE

TYPE MARK	DIMENSIONS			REINFORCING	TYPE COMMENTS
	LENGTH	WIDTH	DEPTH		
F2.0	2'-0"	2'-0"	1'-3"	(3) #4 EA WAY	-
F4.0	4'-0"	4'-0"	1'-3"	(4) #5 EA WAY	-
F6.0	6'-0"	6'-0"	1'-3"	(6) #5 EA WAY	-

CONTINUOUS FOOTING SCHEDULE

TYPE MARK	DIMENSIONS		REINFORCING	TYPE COMMENTS
	WIDTH	DEPTH		
W1	1'-0"	1'-0"	(2) #4 LONG & #4 @ 12" OC TRANSVERS	8" NON-BEARING
W2	2'-0"	1'-0"	(3) #5 LONG & #5 @ 12" OC TRANSVERS	-
W3	3'-0"	1'-3"	(3) #5 LONG & #5 @ 12" OC TRANSVERSE	-
W4	4'-0"	1'-3"	(4) #5 LONG & #5 @ 12" OC TRANSVERS	-



1 S2.01 LEVEL 1
1/8" = 1'-0"

GENERAL PLAN NOTES:

G1 REFERENCE DRAWINGS:

S0.0X - GENERAL STRUCTURAL NOTES
S4.0X - TYPICAL CONCRETE DETAILS
S4.5X - TYPICAL CMU DETAILS
S5.0X - TYPICAL STEEL DETAILS
S6.0X - TYPICAL WOOD DETAILS

G2 SEE SHEET S0.00 FOR TYPICAL SYMBOLS

G3 ELEVATION 100'-0" = 3652.40 FT PER CIVIL

FOUNDATION PLAN NOTES:

F1 GEOTECHNICAL ENGINEER SHALL OBSERVE THE FOUNDATION EXCAVATIONS PRIOR TO PLACEMENT OF THE REINFORCING STEEL

F2 COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL UNDER-SLAB UTILITY LOCATIONS, TRENCHES, AND FLOOR SINKS. ALL UTILITIES THAT CROSS FOUNDATIONS SHALL BE PLACED BELOW FOOTINGS PER

F3 FX.X (XX'-X") INDICATES FOOTING TYPE PER SCHEDULE INTICATES TOP OF FOOTING ELEVATION.

F4 S S INDICATES STEP IN CONTINUOUS FOOTING PER 5/S4.01

F5 XX # XX INDICATES WALL TYPE AS FOLLOW:
CMU: CMU WALL PER ELEVATION & 1/S4.51
W: WOOD WALL PER 1/S6.02

F6 XXX INDICATES WOOD POST. BASE CONNECTION PER 10/S4.02

F7 INDICATES CMU WALL SECTION PER ELEVATION OR 1/S4.51 FOR REINFORCEMENT AS INDICATED
INDICATES NON-BEARING CMU WALL SECTION PER 1/S4.52
INDICATES WOOD WALL SECTION
INDICATES NON-BEARING WOOD WALL SECTION

F8 X' - X" X INDICATES WOOD SHEARWALL LENGTH AND TYPE ABOVE PER 2/S6.01

F9 # INDICATES HOLD-DOWN AND END STUDS PER 4/S6.01

F10 INDICATES UTILITIES BY OTHERS

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Project: TWIN FALLS FIRE STATION #2
214 CHENEY DRIVE

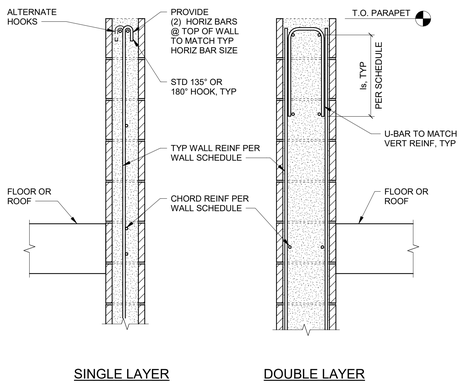
100% BID SET

Project No:	20-041
Date:	01/17/22
Checked By:	SG
Drawn By:	SM

Sheet Name:
LEVEL 1
FOUNDATION PLAN

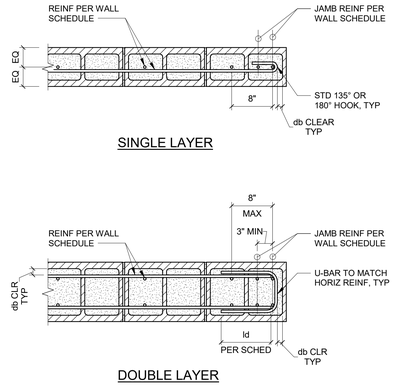
Sheet No:
S2.01

1/14/2022 5:38:41 PM



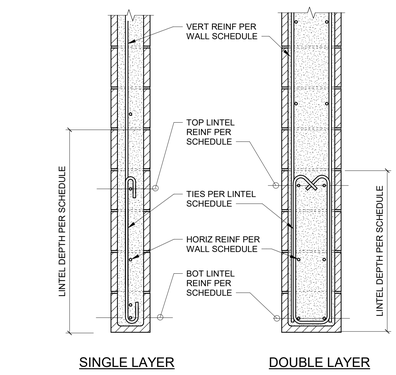
4E S4.51 TOP OF WALL

1" = 1'-0"



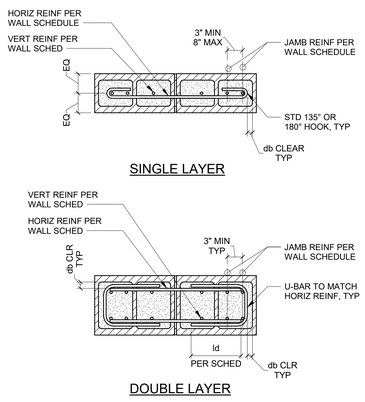
4A S4.51 JAMB AND WALL END DETAIL

1" = 1'-0"



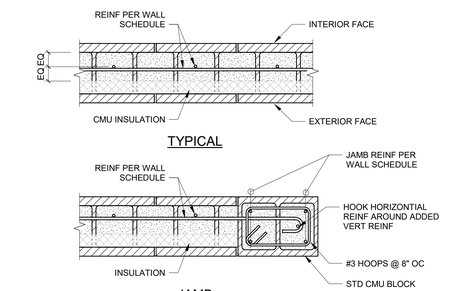
4F S4.51 CMU LINTEL

1" = 1'-0"



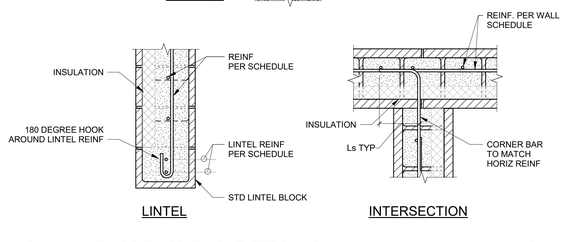
4B S4.51 PIER DETAIL

1" = 1'-0"



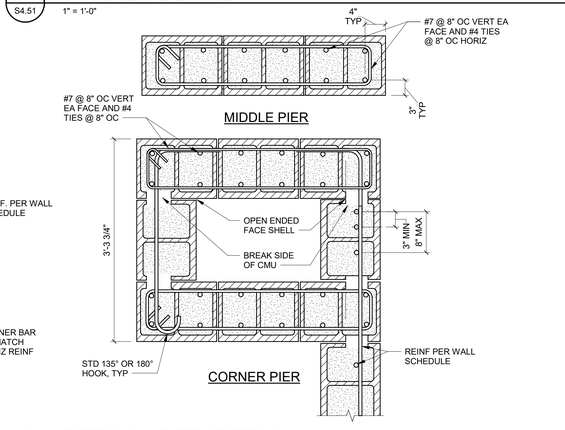
4C S4.51 CORNER DETAIL

1" = 1'-0"



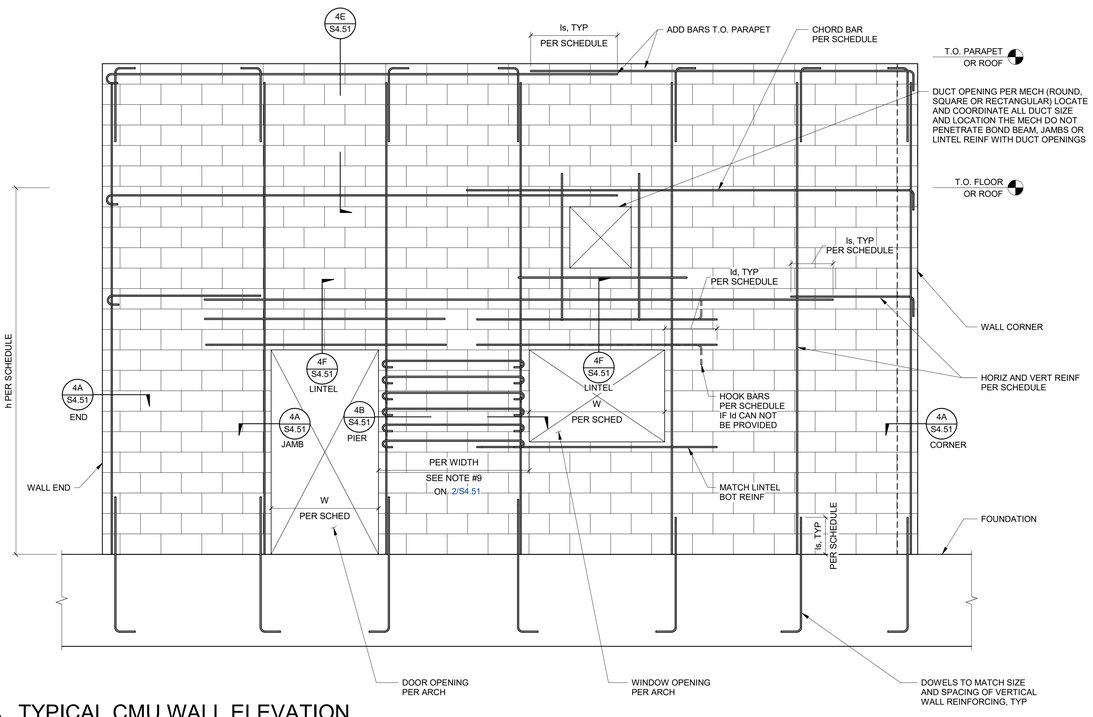
5 S4.51 HI-R CMU WALL DETAILS

1" = 1'-0"



6 S4.51 SPECIAL PIER DETAIL

1" = 1'-0"



1 S4.51 TYPICAL CMU WALL ELEVATION

1/2" = 1'-0"

CMU WALL SCHEDULE

WALL TYPE	NOMINAL CMU WIDTH	GROUT	REINFORCING LAYERS	BAR SIZE & SPACING		JAMB REINF	CHORD BARS	NOTES
				HORIZ	VERT			
CMU 8	8"	FULLY GROUTED	SINGLE	#6 @ 16" OC	#6 @ 16" OC	(2) #6	(2) #6	
CMU 12	12"	FULLY GROUTED	SINGLE	#5 @ 16" OC	#5 @ 16" OC	#5 @ EA CELL, (2) TOTAL	(2) #6	

LINTEL REINFORCEMENT SCHEDULE

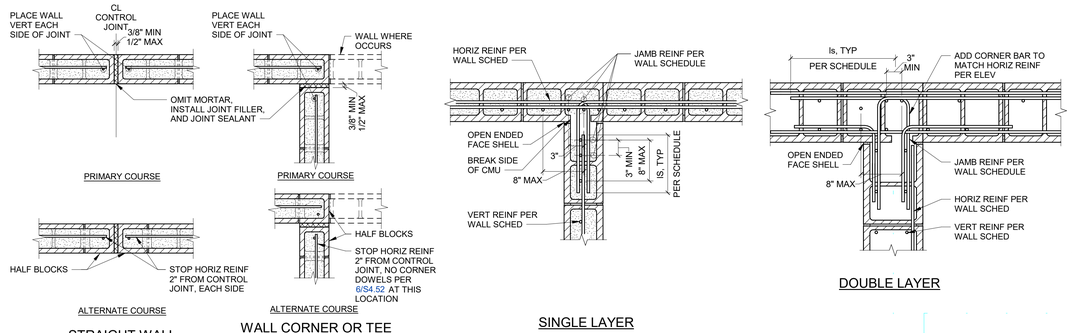
WALL THICKNESS	MAX SPAN MAX, W	LINTEL DEPTH	BOTTOM BAR	TOP BAR	TIE LEGS REQ'D
8"	6'-0"	16"	(1) #6	(1) #6	(1) #4 LEG @ 16" OC
12"	6'-0"	24"	(1) #6	(1) #6	(1) #4 LEG @ 8" OC
	12'-0"	36"	(1) #8	(1) #8	(1) #4 LEG @ 8" OC
	19'-0"	48"	(2) #8	(2) #8	(2) #4 LEG @ 8" OC

TYPICAL NOTES:

1. GROUT WALLS AS FOLLOWS:
   A. FULLY GROUTED: GROUT ALL CELLS SOLID.
   B. PARTIALLY GROUTED: GROUT ALL CELLS CONTAINING REINFORCING.
2. SEE ARCH PLANS FOR WALL FIRE-RATING TYPES AND LOCATIONS.
3. PROVIDE CMU LINTELS AT ALL CMU OPENINGS UNLESS NOTED OTHERWISE.
4. ALL MASONRY OPENINGS SHALL BE SHORED UNTIL MASONRY HAS CURED FOR A MINIMUM OF 72 HOURS.
5. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND PROPERLY SIZE ALL CMU WALL OPENINGS.
6. ld INDICATE DEVELOPMENT LENGTH PER SCHEDULE
7. ls INDICATE LAP SPLICE LENGTH PER SCHEDULE
8. AT MECHANICAL ENCLOSURE AND AT PARTIAL HEIGHT WALLS NOTED ON PLAN, PROVIDE VERT REINF IN EACH CELL (@ 8" OC)
9. AT CMU PIERS THAT ARE LESS THAN 6' WIDE, PROVIDE #4 HORIZONTAL BARS @ 8" OC, U.N.O.
10. ALL TOP AND BOTTOM LONGITUDINAL REINFORCING BARS AT EXTENTS OF LINTELS SHALL BE FULLY DEVELOPED OR HOOKED PER SCHEDULE.
11. FOR BALANCE ON INFO SEE WALL ELEVATIONS ON S3.01

2 S4.51 TYPICAL CMU WALL SCHEDULE

1" = 1'-0"



NOTES:
1. CONTROL JOINT SPACING SHALL NOT EXCEED 24'-0", UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.

3 S4.51 TYP MASONRY CONTROL JOINT

NO SCALE

4 S4.51 T-INTERSECTION DETAIL

1" = 1'-0"

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kpff

Project: TWIN FALLS FIRE STATION #2
214 CHENEY DRIVE

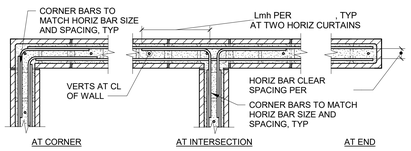
100% BID SET

Project No:	20-041
Date:	01/17/22
Checked By:	SG
Drawn By:	SM

Sheet Name:
MASONRY DETAILS

Sheet No:
S4.51

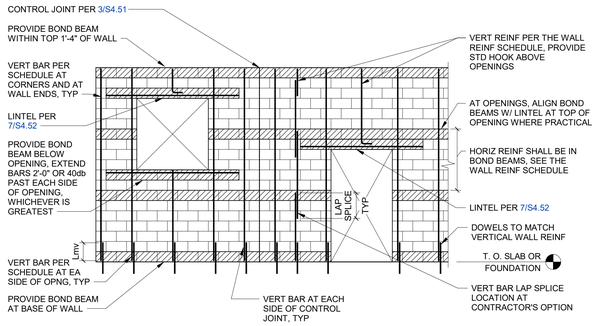
1/14/2022 3:39:06 PM



NOTES:
1. COORDINATE REINFORCING WITH CONTROL JOINT LOCATIONS PER 3/S4.51 .

6 S4.52 TYP NON-BEARING CMU WALL REINF - PLAN

NO SCALE



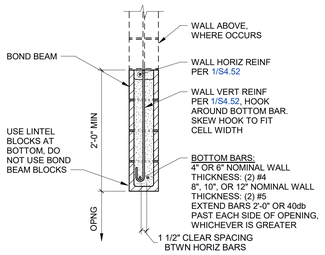
1 S4.52 TYP NON-BEARING CMU WALL REINF

NO SCALE

TYPICAL NON-BEARING CMU WALL REINFORCEMENT

WALL THICKNESS	MAX WALL HEIGHT	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8"	14'	#5 @ 48" OC	#5 @ 48" OC

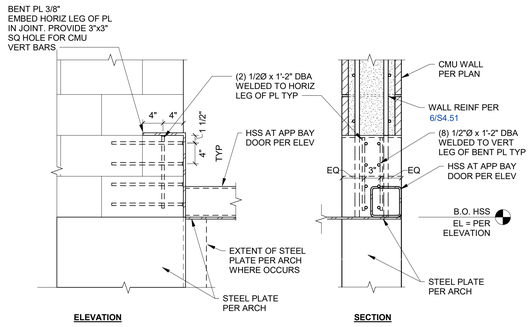
NOTES:
1. THIS DETAIL PROVIDES MINIMUM REINFORCEMENT, UNLESS NOTED OTHERWISE. MORE STRINGENT SPECIFIC DETAILS SHALL TAKE PRECEDENCE OVER THESE MINIMUMS.
2. THIS DETAIL APPLIES FOR RUNNING BOND ONLY.
3. SEE SCHEDULE ON 2/S4.52 FOR LAP SPLICE AND DEVELOPMENT LENGTHS.
4. CENTER VERTICAL BARS IN WALL. WALLS WITH ONE HORIZONTAL CURTAIN SHALL HAVE HORIZONTAL BARS TIGHT TO VERTICAL BARS. WALLS WITH TWO HORIZONTAL CURTAINS SHALL HAVE HORIZONTAL BARS CENTERED IN THE WALL WITH A CLEAR DISTANCE BETWEEN HORIZONTAL BARS PER .



SECTION

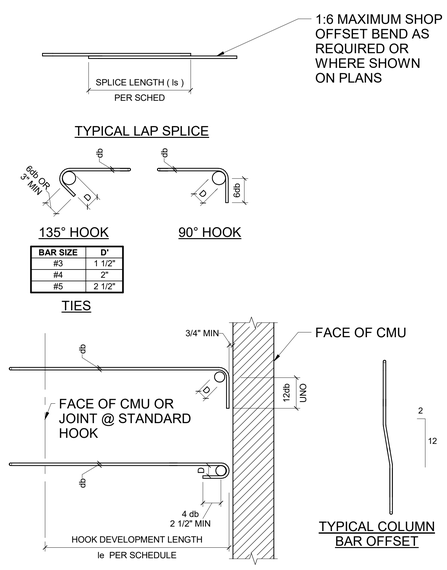
7 S4.52 TYP NON-BEARING CMU WALL LINTEL BEAM

NO SCALE



3 S4.52 HSS TO CMU WALL CONNECTION

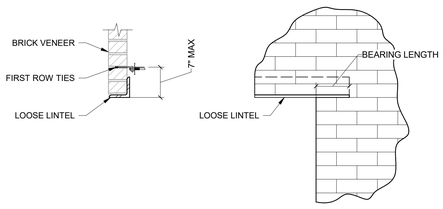
1" = 1'-0"



BAR SIZE	D'
#3	1 1/2"
#4	2"
#5	2 1/2"

VENEER LINTEL SCHEDULE

CLEAR OPENING	SIZE OF ANGLE	BEARING LENGTH
4'-0" MAX	L3 1/2x3 1/2x1/4	8"
6'-0" MAX	L5x3 1/2x5/16 (LLV)	9"
8'-0" MAX	L5x3 1/2x3/8 (LLV)	10"



4 S4.52 LOOSE LINTEL SCHEDULE

1" = 1'-0"

BAR SIZE	DEVELOPMENT LENGTH (ld) & LAP SPLICE LENGTH (ls)	HOOK DEVELOPMENT LENGTH (le)	D	DEVELOPMENT LENGTH (ld) & LAP SPLICE LENGTH (ls) FOR HI-R CMU
#3	12"	5"	2 1/4"	-
#4	15"	7"	3"	17"
#5	23"	9"	3 3/4"	28"
#6	43"	10"	4 1/2"	53"
#7	58"	12"	5 1/4"	74"
#8	88"	13"	6"	-

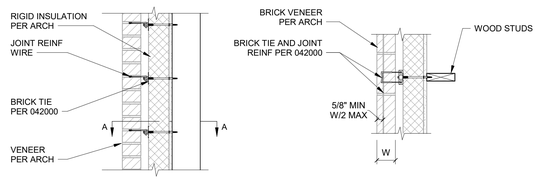
NOTES:
1. SPLICE AND DEVELOPMENT LENGTHS ARE BASED ON f'm = 2,000 psi AND fy = 60 ksi
2. PLACE BARS TO BE SPLICED OR DEVELOPED TO HAVE 3" MINIMUM COVER

2 S4.52 CMU -LAP SPLICES/DEVELOPMENT LENGTH SCHEDULE

1" = 1'-0"

8 S4.52 OVERHEAD DOOR JAMB

1" = 1'-0"



SECTION A-A

5 S4.52 TYP BRICK VENEER TO WOOD STUD

1" = 1'-0"

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www.kpff.com
kpff

Project: TWIN FALLS FIRE STATION #2
214 CHENEY DRIVE

100% BID SET

Project No:	20-041
Date:	01/17/22
Checked By:	SG
Drawn By:	SM

Sheet Name:
MASONRY DETAILS

Sheet No:
S4.52

1/14/2022 3:39:08 PM

PRE-BID RFI - 25

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/15/22
Date Response Needed: 2/24/22
Spec Sections: N/A
Drawing References: S5.01

Request:

Paste a Screenshot Below

REF: Sheet S5.01; Detail 7:

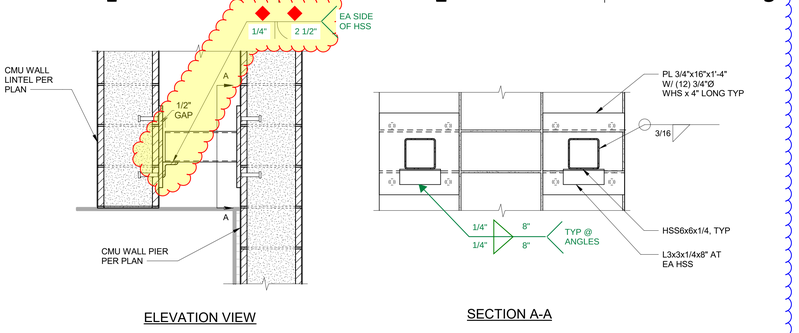
Please provide the missing reference shown on
Detail 7 S5.01 and circled on next page of this RFI.

Response:

Paste a Screenshot Below

See mark ups in Green on next sheet.

-Sidney Gold (KPFF) - 2/17/22

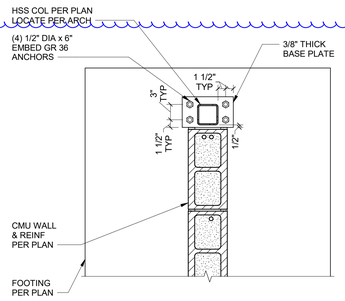


ELEVATION VIEW

SECTION A-A

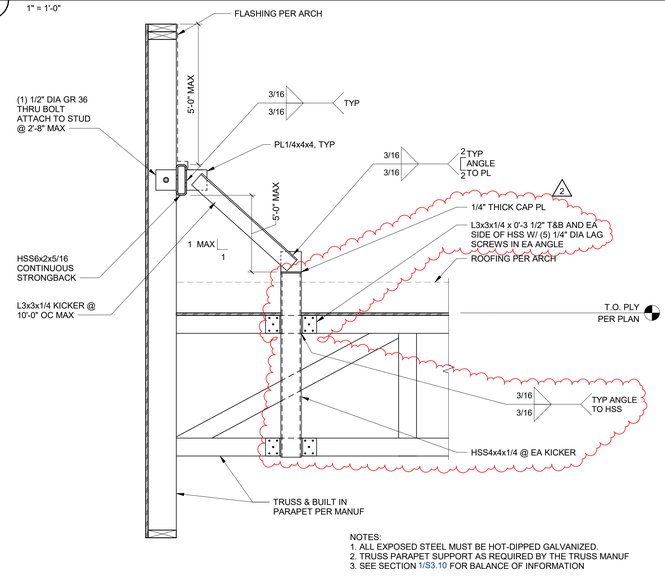
7 S5.01 LINTEL TO PIER CONNECTION

1" = 1'-0"



8 S5.01 TRASH ENCLOSURE GATE POST BASE PLATE

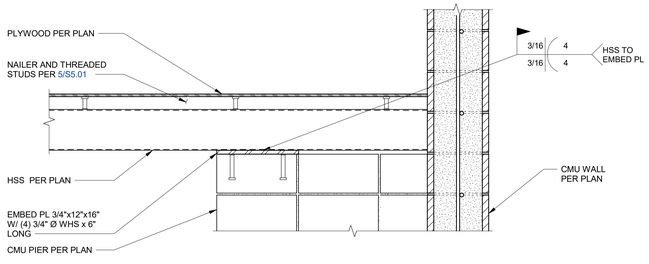
1" = 1'-0"



NOTES:
1. ALL EXPOSED STEEL MUST BE HOT-DIPPED GALVANIZED.
2. TRUSS PARAPET SUPPORT AS REQUIRED BY THE TRUSS MANUF
3. SEE SECTION 1/S3.10 FOR BALANCE OF INFORMATION

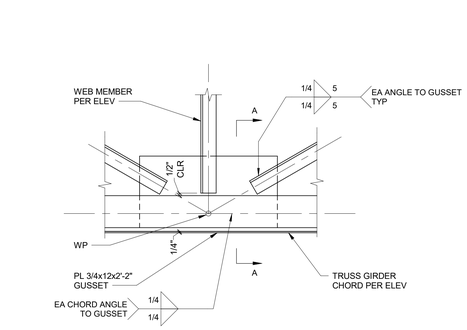
9 S5.01 TRUSS PARAPET SUPPORT

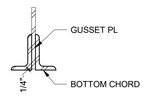
1" = 1'-0"



10 S5.01 HSS ON CORNER PIER

1" = 1'-0"

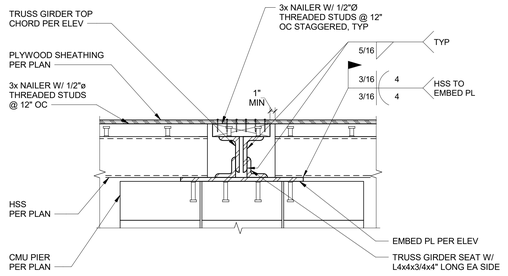




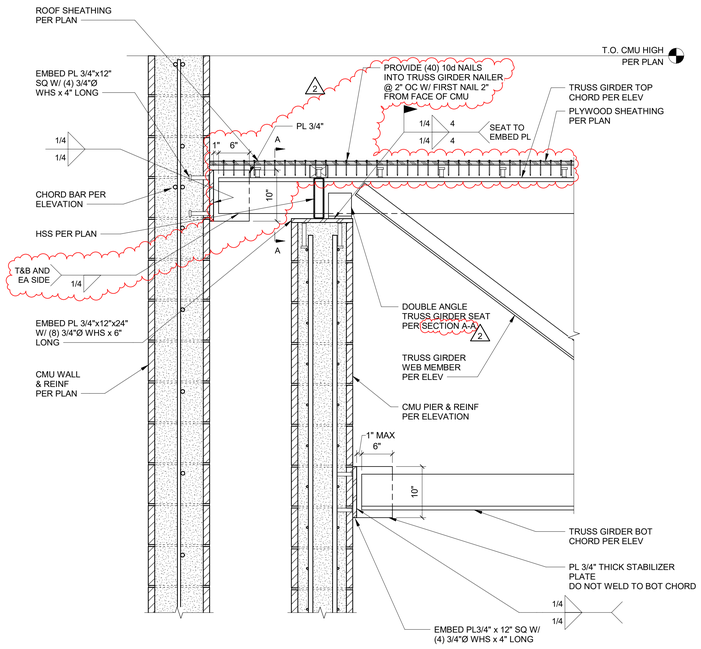
SECTION A-A

4 S5.01 TRUSS GIRDER GUSSET CONNECTION

1" = 1'-0"



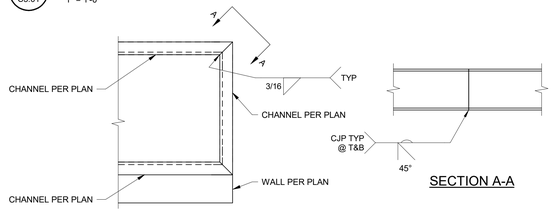
SECTION A-A



ELEVATION VIEW

5 S5.01 TRUSS GIRDER TO CMU WALL

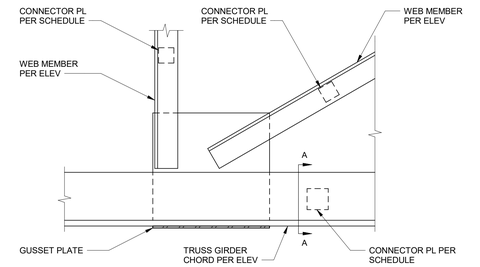
1" = 1'-0"



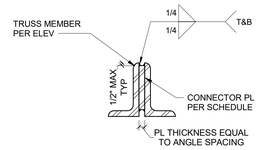
SECTION A-A

6 S5.01 CHANNEL CONNECTION

1" = 1'-0"



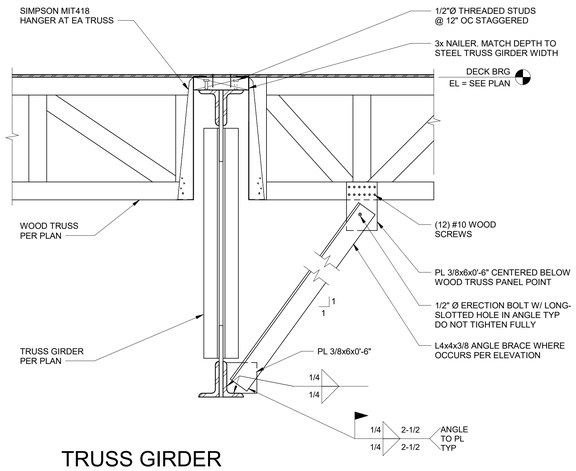
CONNECTOR PLATE SCHEDULE		
ANGLE SIZE	PLATE SIZE	MAX SPACING
L7x4x3/4	6" SQ	40"
L4x4x1/4	3" SQ	32"
L3x3x3/8	2 1/2" SQ	24"
L3x3x1/4	2 1/2" SQ	24"



SECTION A-A

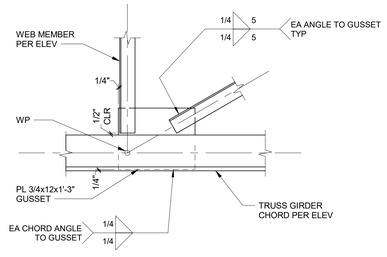
1 S5.01 DOUBLE ANGLE CONNECTOR PLATES

1 1/2" = 1'-0"



2 S5.01 TRUSS GIRDER DIAGONAL BOTTOM CHORD BRACING

1" = 1'-0"



3 S5.01 TRUSS GIRDER GUSSET CONNECTION

1" = 1'-0"

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208.336.6985
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Project: TWIN FALLS FIRE STATION #2
214 CHENEY DRIVE

2	ADDENDUM 01	2/14/2022

Project No:	20-041
Date:	01/17/22
Checked By:	SGJW
Drawn By:	SM

Sheet Name:

STEEL DETAILS

100% BID SET

ADDENDUM-01 2.14.22

Sheet No:

S5.01

2/11/2022 3:38:46 PM

PRE-BID RFI - 26

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/16/22
Date Response Needed: 2/24/22
Spec Sections: 099000
Drawing References: A8.01,A9.01

Request:

Paste a Screenshot Below

REF: Go to Page 2 for list of (4) specific questions relative to interior finishes.

Response:

Paste a Screenshot Below

See responses on next page.
Richard Carlos Pivot North Architecture

Request for Information (R.F.I.)

Additional Notes or Screen Shots

1). REF: Sheet A8.01 Room Finish Schedule & A9.01 RCP: Janitorial 126 & General & EMS Storage 133 call out ceiling type on A9.01 as, “OTS”. On A8.01 these same rooms call out ceiling type as, “APC-1”, (Acoustical Panel Ceiling). Q: Please confirm which ceiling type to be used in these (2) rooms?

JANITORIAL 126 AND GENERAL & EMS STORAGE 133 TO BE OTS.

2). REF: Sheet A8.01 Room Finish Schedule: Room 128, 133 & 139, as examples, do not list any wall finishes. These are CMU walls, typically. Q: Where the Wall Finishes section on the Room Finish Schedule is ‘blank’, are there no finishes on these walls?

NO FINISH AT CMU WALL INTERIOR FACE

3). REF: ADD-01; Pre-Bid RFI-20 A/E response states, “Clear coat finishes apply in Apparatus Bay 128 ‘OTS’, only. Q: Please confirm all other rooms with ceiling types ‘OTS’ do not finish?

THIS ONLY APPLIES TO THE OTS CEILING AT APPARATUS BAY 128.

4). REF: Spec 099000-2; 2.3; A; 2; CMU walls calls for epoxy at wet environments and 2.3; A; 5; Gypsum Board epoxy at Restrooms, Laundry & Janitor rooms. Q: Would it be possible to note on A8.01 Room Finish Schedule the specific rooms that are to receive epoxy paint? This would help to avoid any confusion or guessing.

ROOMS TO RECEIVE EPOXY PAINT AT WALLS/CEILINGS:
1.) 101 PUBLIC RESTROOM
2.) 121 RESTROOM
3.) 124 RESTROOM
4.) 125 ADA RESTROOM
5.) 132 HOSE ALCOVE
6.) 122 LAUNDRY
7.) 126 JANITORIAL

PRE-BID RFI - 27

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/16/22
Date Response Needed: 2/21/22
Spec Sections: 075400
Drawing References: G0.05,G1.00

Request:

Paste a Screenshot Below

REF: SPEC 075400, SHEETS G0.05 & G1.00:

Q-1: Sheet G0.05 lists (2) Roof Types: RF-01, (8" insulation, and RF-02, (6" insulation). Sheet G1.00 lists an 'R-40' and an 'R-30' roof insulation. The Roof Plans, (A2.31 & A2.32), do not indicate which Roof Type to be installed. Please provide direction on where Roof Type 'RF-01' and 'RF-02' occur?

Q-2: Neither the Roof Plans or Spec 075400 appear to indicate how to fasten the TPO/PVC roof system. Please confirm if it's Mechanically Fastened or Fully

Response:

Paste a Screenshot Below

1.) See updated sheets per Addendum 02.

RF-01: R-40
RF-02: R-30

2.) Mechanically Fastened

Richard Carlos Pivot North Architecture

Request for Information (R.F.I.)

Additional Notes or Screen Shots

PART 1 - GENERAL

1.1 SECTION INCLUDES

A . Vapor retarder.

B . Insulation.

C . Cover Board.

D . PVC roofing membrane.

E . Roof Edge Securement.

1.2 RELATED REQUIREMENTS

A . 05 05 13 - Shop-Applied Coatings for Metal: For finish on roof panels.

B . 06 10 00 - Rough Carpentry: Wood nailers, curbs and cant strips.

C . 07 62 00 - Sheet Metal Flashing and Trim: Counterflashings and reglets.

D . 07 72 00 - Roof Accessories: Roof-mounted units; prefabricated curbs.

1.3 ADMINISTRATIVE REQUIREMENTS

A . Preinstallation Meeting: Convene one week before starting work of this section in accordance with Section 01 31 00 - Project Management and Coordination.

1. Review preparation and installation procedures and coordinating and scheduling required with related work.
2. Review UL, FM and Owner requirements for quality assurance and testing.

1.4 SUBMITTALS

A . Qualification Data: For Manufacturer and Installer.

B . Product Data: Provide data indicating membrane materials, flashing materials, insulation, vapor retarder, surfacing, and fasteners.

C . Shop Drawings: Provide data indicating membrane materials, flashing materials, insulation, vapor retarder, surfacing, and fasteners.

D . Sample: Submit manufacturer's standard sample size.

E . Samples of Aggregate: Submit two one lb containers of aggregate ballast.

F . Samples of Pavers: Submit two.

G . Fire Classification Test Report: Showing test reports for classification, assembly, application and roof slopes indicated.

H . Installer's Field Reports: Indicate procedures followed, ambient temperatures, humidity, wind velocity during application, and supplementary instructions given.

I . Manufacturer's Installation Instructions: Manufacturer's Installation Instructions: Indicate membrane seaming precautions and perimeter conditions requiring special attention.

J . Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

K . Maintenance Data: For user's operation and maintenance of system including:

1. Methods for maintaining system's materials and finishes.
2. Precautions about cleaning materials and methods that could be detrimental to components, finishes, and performance.

1.5 QUALITY ASSURANCE

A . Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum 10 years of documented experience in PVC roof membrane manufacture.

B . Installer Qualifications: Company specializing in performing the work of this section with a minimum five years of experience and approved by the manufacturer. Applicator shall have installed at least three (3) roofing applications of this type or similar (single-ply membrane) system of equal or greater size within the past three (3) years.

1.6 DELIVERY, STORAGE, AND HANDLING

A . As required by the manufacturer for a warrantable installation of the installed products to meet the Performance and Design Criteria.

B . Roof-covering materials shall be delivered in packages bearing the manufacturer's identifying marks and approved testing agency labels required in accordance with ICC (IBC)-2015 Section 1505. Bulk shipments of materials shall be accompanied with the same information issued in the form of a certificate or on a bill of lading by the manufacturer.

1. ICC (IBC)-2015.1506.1.

1.7 WARRANTY

A . Installation Warranty: Contractor shall correct defective Work within a 2 year period after Date of Substantial Completion.

B . Manufacturer Warranty: Provide 20 year manufacturer's Total Roofing System (no dollar limit) Warranty covering all materials incorporated into the roof and labor.

PART 2 - PRODUCTS

2.1 DESCRIPTION

A . Single ply thermoplastic membrane roofing system including insulations, vapor retarder and all manufacturer's required accessories for watertight, warrantable installation.

2.2 PERFORMANCE AND DESIGN CRITERIA

A . Fire Classification: Class B per ASTM E108 or UL 790; for application and roof slopes indicated.

1. ICC (IBC)-2015.1505.1.

B . Slope: Thermoplastic single-ply membrane roofs shall have a design slope of a minimum of one-fourth unit vertical in 12 units horizontal (2-percent slope).

1. ICC (IBC)-2015.1507.13.1.

C . Exposure Category: As indicated.

1. ICC (IBC)-2015.1504.8 Maximum mean roof height table.

D . Nominal Design Wind Speed: As indicated.

1. ICC (IBC)-2015.1504.8 Maximum mean roof height table.

E . Wind Resistance: Roof coverings installed on roofs in accordance with Section 1507 that are mechanically attached or adhered to the roof deck shall be designed to resist the design wind load pressures for components and cladding in accordance with Section 1609.

1. ICC (IBC)-2015.1504.3.
2. Design Wind Load Pressure: As indicated.

F . Insulation Thermal Value (R), minimum: As indicated on Drawings; provide insulation of thickness required.

G . Perform work in accordance with NRCA Roofing and Waterproofing Manual, and manufacturer's instructions.

H . Detail roofing system as required by membrane manufacturer to attain required warranty and comply with performance criteria indicated.

I . Solar Reflectance Index (SRI): 78, minimum, calculated in accordance with ASTM E1980.

1. Requirement for white roofing only.
2. Field applied coating may not be used to achieve specified SRI.

J . Thermal Emissivity: 0.80, minimum, initial, and 0.79, minimum, 3-year, certified by Cool Roof Rating Council.

1. Requirement for white roofing only.

2.3 MANUFACTURERS

A . Basis of Design:

1. 80 Mil Sure-Flex KEE HP by Carlisle Roofing Systems, Inc.

2.4 MATERIALS

A . Repair materials: Match existing materials as required to maintain the roofing warranty.

B . Vapor retarder/Temporary Roof: Material approved by roof manufacturer complying with requirements of fire rating classification; compatible with roofing and insulation materials.

1. Basis of Design:
    a. Sure MB 70 SA by Carisle.
2. Features:
    a. Approved by manufacturer as part of tested assemblies.

b. Approved by manufacturer to be exposed without cover and use as temporary roof.

C . Insulation: Polyisocyanurate Board Insulation: Closed cell polyisocyanurate foam with glass reinforced mat laminated to faces – See Section 07 21 00 Thermal Insulation.

D . Cover Board:

1. Typical: Non-combustible, water resistant gypsum core with embedded glass mat facers, complying with ASTM C1177/C1177M:
   a. Basis of Design:
      1) As recommended by membrane manufacturer for installation indicated and in accordance with system performance testing.
   b. Features:
      1) Thickness: 1/2 inch.
2. At roof hatches and doors opening onto the roof: 4 x 4 foot piece of 1/2 inch APA rated Exterior plywood under cover board in lieu of the top 1/2 inch of insulation.

E . PVC roofing membrane.

1. Basis of Design: _____80 Mil PVC by Johns Manville.
2. Performance Criteria:
   a. Thermoplastic single-ply roof coverings shall comply with ASTM D4434/D4434M, ASTM D6754/D6754M, ASTM D6878/D6878M, or CGSB CAN/CGSB 37-54.
   b. Physical Integrity: Passes 2,000 hours of exposure to accelerated weathering tests conducted in accordance with ASTM G152, ASTM G155, or ASTM G154.
   c. Impact Resistance: Resist impact damage based on the results of tests conducted in accordance with ASTM D3746/D3746M, ASTM D4272/D4272M, CGSB 37-GP-52M, or the "Resistance to Foot Traffic Test” in Section 5.5 of FM 4470.
3. Features:
   a. Thickness: 0.080 inch.
   b. Sheet Width: Factory fabricated into largest sheets possible.
   c. Reinforcing: Manufacturer's standard.
   d. Membrane Attachment: Fully adhered.
   e. Membrane Attachment: Mechanically fastened.
   f. Membrane Attachment: Loose laid and ballasted.
   g. Color: White.

F . Roof Edge Securement: Continuous metal edge member serving as termination of roof membrane and retainer for metal fascia; watertight with no exposed fasteners; mounted to roof edge nailer.

1. Performance Criteria:
   a. Designed and installed for wind loads in accordance with Chapter 16 and tested for resistance in accordance with Test Methods RE-1, RE-2, and RE-3 of ANSI/SPRI ES-1, except Vault wind speed shall be determined from Figure 1609A, 1609B, or 1609C as applicable.

1) ICC (IBC)-2015.1504.5.

b. Retain Fascia while allowing for free thermal cycling of fascia.

2.5 ACCESSORIES

A . All accessory materials required by the manufacturer for a warrantable installation of the installed products in a manner that meets the Performance and Design Criteria.

B . Conductive primer for Electronic Leak Detection: For application to cover board or other non-conductive substrate directly beneath membrane approved by primer manufacturer.

1. Basis of Design: TruGround Conductive Primer by Detec Systems.

2. TruGround is not intended to replace required adhesives or primers. Required adhesives and primers shall be applied after the TruGround has been applied and is dry. Coordinate with membrane manufacturer to determine if any products should be omitted due to use of TruGround, and to determine coating sequencing.

C . Wood Nailers:

1. PS 20 dimension lumber, Structural Grade No. 2 or better Southern Pine, Douglas Fir; or PS 1, APA Exterior Grade plywood; pressure preservative treated.

D . Walkway Pad:

1. Manufacturer's recommended product to increase viability and slip-resistance and puncture resistance in walkway areas.

a. Layout per Architectural Drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

A . Verify existing conditions meet the manufacturer's requirements before starting work.

B . Do not start work until Pre-Installation Notice has been submitted to manufacturer as notification that this project requires a manufacturer's warranty.

3.2 PREPARATION

A . Prepare surfaces to receive work in accordance with manufacturer's instructions.

3.3 INSTALLATION

A . General: Install all materials in accordance with manufacturer's instructions based on conditions present.

B . Install electronic leak detection components in accordance with conductive primer manufacturer’s written instructions and where indicated.

1. Primer thickness requirements: 1 coat typical; 2 coats for plywood, open-cell insulation, or other porous substrates.

3.4 FIELD QUALITY CONTROL

A . Inspection by Manufacturer: Provide final inspection of the roofing system by a Technical Representative employed by roofing system manufacturer specifically to inspect installation for warranty purposes.

B . Perform all corrections necessary for issuance of warranty.

3.5 PROTECTION

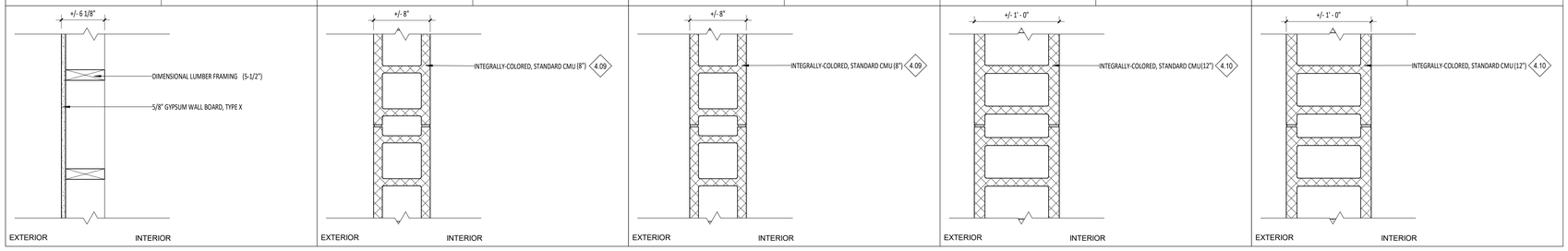
A . Protect installed work as required by the manufacturer to maintain product performance, design criteria, and warranty.

END OF SECTION

WALL TYPES - INTERIOR_02 (PLAN VIEW)

1 1/2" = 1'-0"

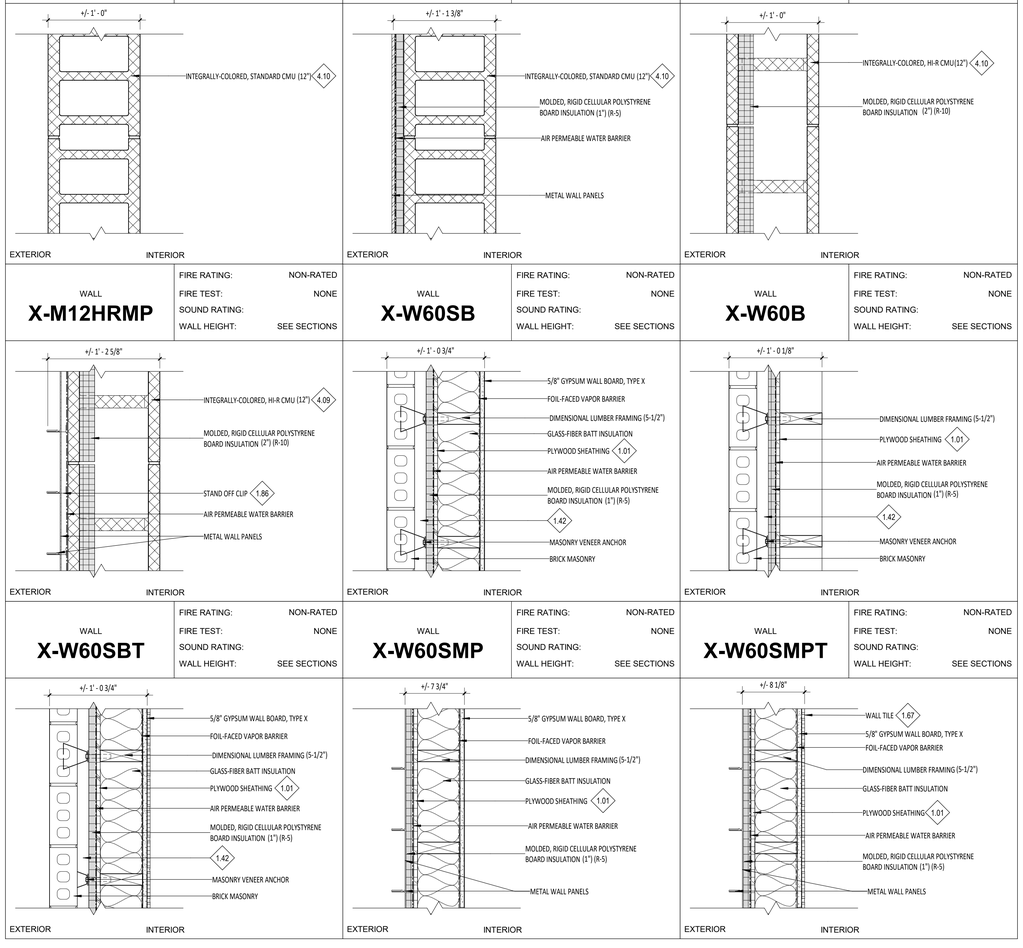
WALL	FIRE RATING:	FIRE TEST:	SOUND RATING:	WALL HEIGHT:
W69	NON-RATED	NONE		6" ABOVE CEILING
M80	NON-RATED			SEE SECTIONS
M82	1-HOUR	IBC TABLE 721.1(2) ITEM 3		SEE SECTIONS
M12	NON-RATED			SEE SECTIONS
M122	1-HOUR	IBC TABLE 721.1(2) ITEM 3		SEE SECTIONS



WALL TYPES - EXTERIOR (PLAN VIEW)

1 1/2" = 1'-0"

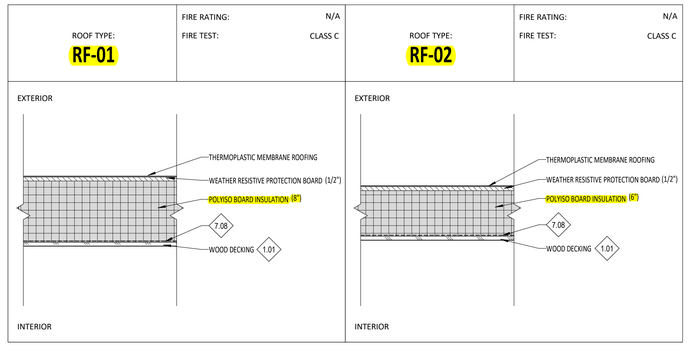
WALL	FIRE RATING:	FIRE TEST:	SOUND RATING:	WALL HEIGHT:
X-M12	NON-RATED	NONE		SEE SECTIONS
X-M12MP	NON-RATED	NONE		SEE SECTIONS
X-M12HR	NON-RATED	NONE		SEE SECTIONS
X-M12HRMP	NON-RATED	NONE		SEE SECTIONS
X-W60SB	NON-RATED	NONE		SEE SECTIONS
X-W60B	NON-RATED	NONE		SEE SECTIONS
X-W60SBT	NON-RATED	NONE		SEE SECTIONS
X-W60SMP	NON-RATED	NONE		SEE SECTIONS
X-W60SMPT	NON-RATED	NONE		SEE SECTIONS

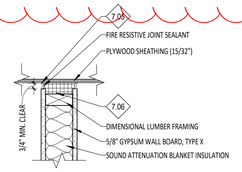


ROOF TYPES (SECTION VIEW)

1 1/2" = 1'-0"

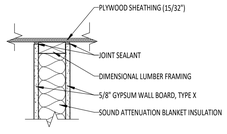
ROOF TYPE:	FIRE RATING:	FIRE TEST:
RF-01	N/A	CLASS C
RF-02	N/A	CLASS C



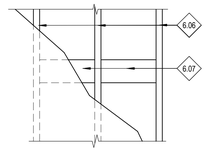


NOTE: FIRESTOP SYSTEM IS REQUIRED ONLY AT RATED WALLS. REFER TO SHEET G2.01 FOR LOCATIONS. USE APPROPRIATE UL LISTED ASSEMBLY BASED ON WALL AND STRUCTURAL DECK CONSTRUCTION.

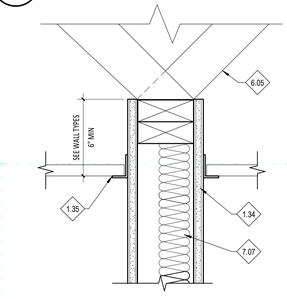
D5 / G0.05 **FIRESTOPPING WALL TO DECK**
1 1/2" = 1'-0"



D6 / G0.05 **FRAMING DETAIL TO DECK**
1 1/2" = 1'-0"



E5 / G0.05 **MOUNTING PLATE ELEVATION, TYP.**
1/2" = 1'-0"



E6 / G0.05 **SEISMIC BRACING @ PARTITION WALLS, TYP.**
12" = 1'-0"

NOTES - REFERENCE NOTES

1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.34	INTERIOR PARTITION - SEE WALL TYPES
1.35	CEILING SYSTEM AS SCHEDULED (CEILINGS ON OPPOSITE SIDES OF WALL MAY BE AT DIFFERENT HEIGHTS - SEE REFLECTED CEILING PLAN).
1.42	1-1/2" AIR GAP
1.67	RE: INTERIOR ELEVATIONS FOR HEIGHT.
1.86	COORDINATE WITH MANUFACTUER RECOMMENDATIONS
4.09	FINISH: 695 CHARCOAL SM STANDARD COLOR.
4.10	FINISH: 615 SM PREMIUM COLOR.
6.05	WOOD STUDS MOUNTED TO DECK AT 48" O.C. BRACED EACH DIRECTION.
6.06	WOOD STUDS. RE: FLOOR PLANS AND WALL TYPES.
6.07	2X TYPE VB SOLID BLOCKING
7.05	NON-COMBUSTIBLE BACKER AS REQUIRED.
7.06	NON-COMBUSTIBLE DECK FILLER
7.07	SOUND INSULATION, WHERE OCCURS - SEE WALL TYPES
7.08	6 MIL VAPOR BARRIER

GENERAL NOTES - WALL TYPES

1. WALL TYPES DESCRIBED ON THIS SHEET DO NOT ACCOUNT FOR REQUIRED BACKING AND/OR SUPPORT FOR WALL MOUNTED FIXTURES, EQUIPMENT, CASEWORK AND/OR SYSTEMS FURNITURE. COORDINATE WITH ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS AND EQUIPMENT PLANS PRIOR TO THE COVERING OF STUD FRAMING. REFER TO MANUFACTURER'S RECOMMENDATIONS AND USE DETAIL E5/G0.05 WHERE APPLICABLE
2. PROVIDE SEISMIC BRACING PER DETAIL E6/G0.05 AT ALL WALL TYPES THAT DO NOT EXTEND TO DECK
3. SEE B5/G2.01b FOR PARTITION PRIORITY LEGEND FOR SEQUENCING OF RATED WALL CONSTRUCTION.
4. PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS PER MANUFACTURERS RECOMMENDATION AND IN ACCORDANCE W/ ASSOCIATED UL LISTING
5. WALL THICKNESS DESCRIBED ON THIS SHEET ARE SHOWN NOMINALLY IN PLAN REPRESENTATIONS
6. HORIZONTAL BRACING 2'-0" A.F.F. AT FIRST OCCURRENCE AND EVERY 4'-0" THEREAFTER AT ALL WALLS W/ GYPSUM WALL BOARD ON ONLY ONE SIDE.
7. AT ALL WALLS WITH SOUND ATTENUATION, SEAL TOP OF WALL AT STRUCTURE AND BOTTOM OF WALL WITH ACOUSTICAL SEALANT.
8. FOR ALL WALLS WITH TILE, TUBS, AND/OR SHOWERS, USE 5/8" GLASS-MAT GYPSUM WALLBOARD. REFER TO WALL TYPES AND FLOOR PLANS.
9. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF CLEARANCES AND ADA REQUIREMENTS ARE NOT ACHIEVED.

pivot north ARCHITECTURE

PIVOT NORTH ARCHITECTURE, PLLC.
1101 W. GROVE STREET
BOISE, ID 83702
www.pivotnorthdesign.com

STAMP

LICENSED PROFESSIONAL ARCHITECT AR-984394 STATE OF IDAHO CLINT SIEVERS

01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

100% BID SET

Project No:	20-041
Date:	01/17/2022
Checked By:	RC, MS
Drawn By:	DS

Sheet Name:
WALL TYPES AND RATED ASSEMBLIES

Sheet No:
G0.05

1/18/2022 8:56:19 AM

COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Twin Falls Fire Station #2
Location:	Twin Falls, Idaho
Climate Zone:	5b
Project Type:	New Construction
Vertical Glazing / Wall Area:	18%

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
Enhanced Envelope Performance, 1.0 credit

Building Area	Floor Area
1-Fire Station : Nonresidential	6621
2-Fire Station : Residential	6099

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Fire Station]	6449	---	40.0	0.025	0.032
Roof: Insulation Entirely Above Deck, [Bldg. Use 2 - Fire Station]	6099	---	30.0	0.032	0.032
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 1 - Fire Station] (c)	340	---	15.0	0.520	0.540
Floor: Unheated Slab-On-Grade, Vertical 2 ft., [Bldg. Use 2 - Fire Station] (c)	287	---	15.0	0.520	0.540
NORTH					
Ext. Wall - HI -R: Concrete Block, 12in., Partially Grouted, Cells Ins., Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	477	19.5	10.0	0.035	0.090
Ext. Wall - HI -R: Concrete Block, 12in., Partially Grouted, Cells Ins., Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	463	---	10.0	0.075	0.090
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	87	19.5	1.3	0.053	0.090
Ext. Wall - Double Wall @ Ends: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	112	---	6.6	0.111	0.090
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	709	---	6.3	0.115	0.090
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	588	---	---	0.310	0.370
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 2 - Fire Station]	1452	19.0	5.0	0.048	0.064
Door: , Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.93, [Bldg. Use 2 - Fire Station] (b)	23	---	---	0.480	0.770
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.20, [Bldg. Use 2 - Fire Station] (b)	64	---	---	0.370	0.380

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.20, [Bldg. Use 2 - Fire Station] (b)	25	---	---	0.380	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.93, [Bldg. Use 2 - Fire Station] (b)	111	---	---	0.360	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 1.30, [Bldg. Use 2 - Fire Station] (b)	37	---	---	0.480	0.380
Window: Metal Frame with Thermal Break: Operable, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.99, [Bldg. Use 2 - Fire Station] (b)	21	---	---	0.480	0.450
EAST					
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	1896	19.5	1.3	0.053	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	134	---	---	0.460	0.380
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	238	---	1.3	0.272	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	58	---	---	0.460	0.380
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	178	19.5	1.3	0.053	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	28	---	---	0.460	0.380
Door: , Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.80, [Bldg. Use 1 - Fire Station] (b)	23	---	---	0.480	0.770
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 2 - Fire Station]	1194	19.0	5.0	0.048	0.064
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 2 - Fire Station] (b)	33	---	---	0.410	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 0.80, [Bldg. Use 2 - Fire Station] (b)	174	---	---	0.350	0.380
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 3.50, [Bldg. Use 2 - Fire Station] (b)	25	---	---	0.380	0.380
SOUTH					
Ext. Wall - HI-R: Concrete Block, 12in., Partially Grouted, Cells Ins., Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	477	19.5	10.0	0.035	0.090
Ext. Wall - HI-R: Concrete Block, 12in., Partially Grouted, Cells Ins., Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	463	---	10.0	0.075	0.090
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	87	19.5	1.3	0.053	0.090
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	112	---	6.6	0.111	0.090
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	709	---	6.3	0.115	0.090
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Fire Station]	588	---	---	0.057	0.179
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 2 - Fire Station]	1452	19.0	5.0	0.048	0.064
Door: Insulated Metal, Swinging, [Bldg. Use 2 - Fire Station]	24	---	---	0.150	0.370
Door: Insulated Metal, Non-Swinging, [Bldg. Use 2 - Fire Station]	100	---	---	0.057	0.179
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 1.71, [Bldg. Use 2 - Fire Station] (b)	73	---	---	0.480	0.380
Window: Metal Frame with Thermal Break: Operable, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, PF 1.26, [Bldg. Use 2 - Fire Station] (b)	42	---	---	0.480	0.450

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
WEST					
Ext. Wall: Concrete Block, 12in., Partially Grouted, Cells Ins., Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	887	---	10.0	0.075	0.090
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Fire Station]	24	---	---	0.150	0.370
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	2005	19.5	1.3	0.053	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	133	---	---	0.460	0.380
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: None, [Bldg. Use 1 - Fire Station]	236	---	1.3	0.272	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	28	---	---	0.460	0.380
Door: , Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	28	---	---	0.480	0.770
Ext. Wall: Concrete Block, 12in., Solid Grouted, Normal Density, Furring: Wood, [Bldg. Use 1 - Fire Station]	171	19.5	1.3	0.053	0.090
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	28	---	---	0.460	0.380
Door: , Perf. Specs.: Product ID Solarban 70: clear + clear, low-E (2) surface, SHGC 0.27, [Bldg. Use 1 - Fire Station] (b)	28	---	---	0.480	0.770
Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 2 - Fire Station]	247	19.0	5.0	0.048	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

RICHARO CARLOS — Name - Title
Signature
10/11/2021 — Date

pivot north ARCHITECTURE

PIVOT NORTH ARCHITECTURE, PLLC.
1101 W. GROVE STREET
BOISE, ID 83702
www.pivotnorthdesign.com

STAMP

LICENSED PROFESSIONAL ARCHITECT AR-984434 STATE OF IDAHO CLINT SIEVERS

01.17.22

RICE fergus MILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

100% BID SET

Project No: 20-041
Date: 01/17/2022
Checked By: RC, MS
Drawn By: DS

Sheet Name:
CODE AND ENERGY COMPLIANCE

Sheet No:
G1.00

1/18/2022 8:56:20 AM

PRE-BID RFI - 28

To Company: PIVOT NORTH ARCHITECTURE

Name: RICHARD CARLOS

CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION

Name: JEFF RUSSELL

Phone: (208) 420-7703

Email: jeff@starrcorporation.com

Date Submitted: 2/16/22

Date Response Needed: 2/21/22

Spec Sections: N/A

Drawing References: A2.01-ADD-01

Request:

Paste a Screenshot Below

REF: Addendum-01: Architect Narrative; Page 2: Note #4 & A2.01-ADD-01:

Note #4 of Architect's Addendum-01 Narrative states to add (4) each pipe bollards at south end of Apparatus Bay 128. Sheet A2.01_ADD-01 calls out a total of (6) each added Pipe Bollards.

Please confirm added quantity to be (4) each or (6) each?

Response:

Paste a Screenshot Below

CORRECTION. (6) TOTAL BOLLARDS TO BE ADDED PER SHEET A2.01.
RICHARD CARLOS PIVOT NORTH ARCHITECTURE

ADDENDUM #01

DATE OF ISSUE:	**February 14, 2022**
PROJECT:	**Twin Falls Station 2** PNa PROJECT #: **20-041** Twin Falls, Idaho 83303
REVIEWED BY:	**Richard Carlos** Pivot North Architecture
ATTACHMENTS:	**The Land Group Addendum 01 Narrative, KPFF Addendum 01 Narrative, Cator Ruma Addendum 01 Narrative, Geo Report, Infiltration Testing, SR 1-6, PRE-BID RFIs 1-23, Revised Drawing Sheets as mentioned in narrative(s), Spec Sections 088300 Mirrors, 220519 Meters and Gauges for Plumbing, 22 30 00 Water Heaters, 238126 Ductless Split Systems, 321313 Concrete Paving, and 329300 Plants**
PREVIOUS ADDENDA:	**N/A**

The following are changes, deletions, corrections, additions, and/or modifications to the drawings, specifications, contract conditions, and bidding documents dated **January 18, 2022**. Bidding parties are required to acknowledge receipt of this addendum on the bid form. Failure to do so may subject the bidder to disqualification.

SUBSTITUTION REQUESTS:

1. SR-1: Jewers Doors requesting for four-fold side opening metal doors
    a. **RESPONSE: REJECTED**
2. SR-2: Fire Alarm System requesting for Honeywell / Gamewell FCI
    a. **RESPONSE: ACCEPTED. RE: Cator Ruma Narrative for more information.**
3. SR-3: Acoustical Wood Ceilings requesting for LINEA Ceilings and Wall Systems
    a. **RESPONSE: ACCEPTED**
4. SR-4: Interior Concrete Floor Slab
    a. **RESPONSE: ACCEPTED**
5. SR-5: Mutual Materials request to use Burgundy Mission
    a. **RESPONSE: ACCEPTED**
6. SR-6: FINDOOR requesting for four-fold side opening metal doors
    a. **RESPONSE: REJECTED**
7. SR-7: WAYNE-DALTON requesting for sectional doors
    a. **RESPONSE: ACCEPTED**
8. SR-8: Use of Hi-R-H
    a. **RESPONSE: ACCEPTED with comments. As long as the finish block color as specified in our drawings is provided.**

ARCHITECTURAL SPECIFICATIONS

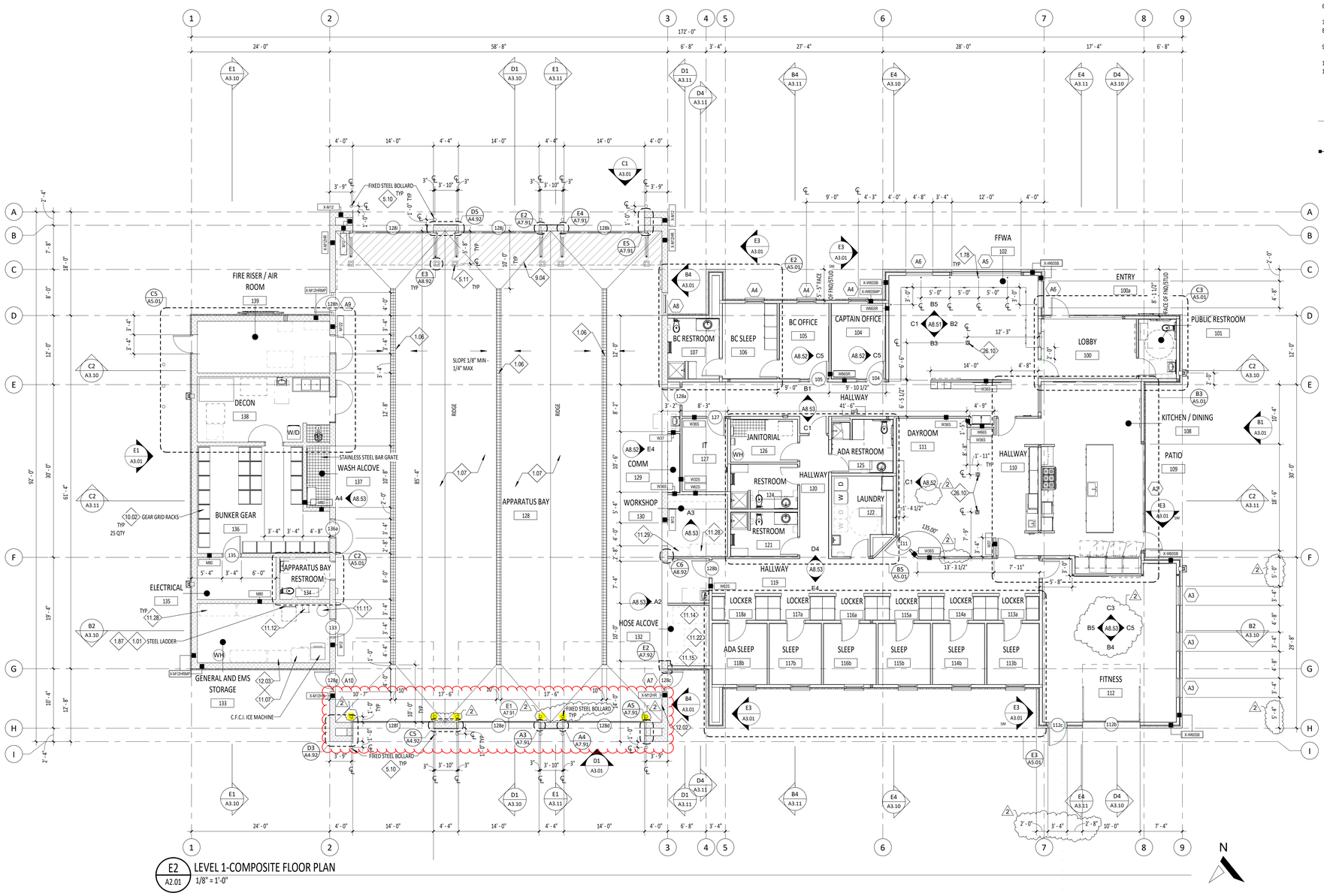
1. ADD Appendix A Geo Report and Infiltration Testing with reference in Section 00 31 00 Project Management and Coordination.
2. ADD Exterior Soffit Vents to 06 20 00.
    a. One piece, perforated, ASTM B221 (ASTM B221M), 6063 alloy, T5 aluminum, with flat panel edge and manufactured for soffit application, and ventilation area shown on drawings. Width: 3” x continuous and finish to be black.
3. ADD 08 83 00 Mirrors – See attached.

ARCHITECTURAL CLARIFICATIONS/DRAWINGS

1. Sheet G0.04 WALL TYPES AND RATED ASSEMBLIES
    a. ADDED General Note 10.
2. Sheet G0.05 WALL TYPES AND RATED ASSEMBLIES

a. ADDED General Note 10.
b. ADDED Wall Type X-W60SBP.

3. Sheet G2.01b LEVEL 1 – FIRE RATING PLAN
   a. ADDED wall types to fire rated assemblies in Detail E1.
   b. ADDED Details A3 and A4.
4. Sheet A2.01 LEVEL 1 – COMPOSITE FLOOR PLAN
   a. ADDED (4) interior bollards to South end of Apparatus Bay
   b. REVISED dimensions on East and SE portion of composite floor plan.
   c. REMOVED South elevation tag in Dayroom 111
5. Sheet A2.31 COMPOSITE ROOF PLAN – LOW ROOF
   a. REVISED dimension string on entry canopy.
   b. REMOVED Details B3 and D1 / A9.91.
   c. REVISED reference note 10.10.
6. Sheet A2.92 ROOF DETAILS
   a. REVISED Details E1, E2, E4, D1, D2, C1, and B2.
7. Sheet A3.01 BUILDING ELEVATIONS
   a. REVISED Building Address Sign in Detail C1
   b. REVISED entry roof canopy in Detail C1
   c. REVISED Detail E3
8. Sheet A3.10 BUILDING SECTIONS
   a. ADDED General Note 10
9. Sheet A3.11 BUILDING SECTIONS
   a. ADDED General Note 10.
   b. ADDED training anchors in Detail E1.
10. Sheet A4.01 ENLARGED BUILDING ELEVATIONS
    a. REVISED hatches on detail E2
11. Sheet A4.11 EXTERIOR WALL SECTIONS
    a. ADDED General Note 10.
12. Sheet A4.91 EXTERIOR DETAILS
    a. ADDED General Note 10.
    b. REVISED detail A2.
13. Sheet A4.92 EXTERIOR DETAILS
    a. ADDED General Note 10.
14. Sheet A4.93 EXTERIOR DETAILS
    a. ADDED General Note 10.
    b. ADDED Detail E1.
15. Sheet A5.01 ENLARGED PLANS
    a. REVISED Wall Type on Detail E3.
    b. MOVED Semi-Recessed FE Cabinet in Detail B3.
    c. ADDED Wall type W68S to Detail E2.
    d. REVISED Detail B5. UPDATED Wall Types, Dimension strings, and ADA Restroom.
16. Sheet A7.01 DOOR SCHEDULE & TYPES
    a. REVISED hatch on OH-2 and legend.
17. Sheet A7.11 FRAME TYPES
    a. REVISED legend.
18. Sheet A7.12 FRAME TYPES
    a. REVISED legend.
19. Sheet A7.93 FRAME DETAILS
    a. REVISED Detail E2.
20. Sheet A8.01 LEVEL 1 – FINISH FLOOR PLAN AND ROOM FINISH SCHEDULE
    a. ADDED remarks to Apparatus Bay in Room Finish Schedule.
    b. REVISED floor material in Room Finish Schedule.
    c. REMOVED SC-1 and REPLACED with CONC-1.
    d. ADDED wall protection and corner guard in Detail E- RE: Hallway 103 and Fitness 112.
21. Sheet A8.51 INTERIOR ELEVATIONS
    a. REVISED Details E3, E4, E5, and E6.
22. Sheet A8.52 INTERIOR ELEVATIONS
    a. REVISED Detail A5.
23. Sheet A8.53 INTERIOR ELEVATIONS
    a. REVISED Detail B5, C3, and C5.
    b. ADDED Detail B4.
24. Sheet A8.91 INTERIOR DETAILS



E2 / A2.01 LEVEL 1-COMPOSITE FLOOR PLAN
1/8" = 1'-0"

NOTES - REFERENCE NOTES

1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
1.06	TRENCH DRAIN. COORDINATE WITH STRUCTURAL AND PLUMBING DRAWINGS.
1.07	SLOPE TO DRAIN. SLOPE 1/8" PER 1'-0".
1.78	GROMMETS. COORDINATE WITH MILLWORK, BRACKETS, AND ELECTRICAL BELOW.
1.87	COORDINATE WITH ALL BUILDING SERVICES TO REMAIN 36" MIN CLEAR OF THIS AREA.
5.10	FACE OF BOLLARDS TO ALIGN WITH DOOR JAMB. FINISH TO MATCH FOUR FOLD DOORS.
5.11	FOUR FOLD DOOR PEDESTAL. ALIGN FACE OF PEDESTAL WITH DOOR JAMB. COORDINATE WITH ELECTRICAL DRAWINGS.
9.04	PROVIDE 4" YELLOW SAFETY STRIPING FOR FOUR FOLD DOORS PER SPECIFICATION 32 13 13.
10.02	24"X30" RACKS
11.07	O.F.O.I. EMS REFRIGERATOR. PROVIDE POWER. COORDINATE WITH ELECTRICAL DRAWINGS.
11.11	HOUSE AIR COMPRESSOR. COORDINATE WITH PLUMBING DRAWINGS.
11.12	HOUSE AIR DRYER. PROVIDE SHELF AND MOUNT AT +80" AFF IN HEIGHT. COORDINATE WITH PLUMBING DRAWINGS.
11.14	O.F.O.I. 72" TWO-TIER UNIT HOSE CART
11.15	O.F.O.I. HOSE WASHER
11.22	O.F.O.I. HOSE WINDER
11.28	O.F.O.I. METAL SHELVING
11.29	O.F.O.I. FLAMMABLE STORAGE LOCKER
12.02	O.F.O.I SURFACE MOUNT BIKE STORAGE
12.03	O.F.O.I. LOCKABLE STORAGE CABINET
26.10	FLOOR BOX. COORDINATE WITH ELECTRICAL DRAWINGS.

GENERAL NOTES - FLOOR PLANS

1. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FACE OF STUDS FOR GWB WALLS / PARTITIONS.
2. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO FACE OF FINISHED MASONRY FOR CMU.
3. UNLESS NOTED OTHERWISE ALL GWB WALLS SHALL HAVE A 4" STUD FRAME RETURN AT ALL DOOR AND WINDOW JAMBS.
4. FOR SIZES OF MARKERBOARDS AND TACK BOARDS RE: SPECIFICATION SECTION DIVISION 10 - VISUAL DISPLAY SURFACES.
5. AT WARDROBE/TV CASEWORK, REFER TO EACH ROOM AS TO VERIFY DOOR SWING LOCATION.
6. RE: SHEETS G2.01 AND G2.01b FOR BUILDING OCCUPANCY PLANS AND FIRE RESISTIVE CONSTRUCTION REQUIREMENTS.
7. SEE ENLARGED PLANS FOR ADDITIONAL WALL TYPES.
8. FOR GLAZING RECEIVING WINDOW TREATMENTS, COORDINATE WITH SPECIFICATION SECTION 12 24 13 - ROLLER WINDOW SHADES
9. FOR WALLS NOT DESIGNATED WITH A WALL TYPE, COORDINATE WITH STRUCTURAL DRAWINGS & WALL SECTIONS.
10. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.
11. APPARATUS BAY SLAB SLOPE TO BE 1/8" MIN. TO 1/4" MAX. TO DRAIN TO TRENCH DRAINS.

LEGEND - FLOOR PLANS

- XXXx — DOOR SYMBOL, RE: DOOR SCHEDULE, SHEET A7.01
- XXXXXX — WALL TYPE, RE: SHEET G0.04 AND G0.05
- XXX — WINDOW TYPE, RE: WINDOW FRAME TYPE SHEETS, SHEETS A7.11 AND A7.12
- FIRE EXTINGUISHER CABINET. RE: DIVISION 10 - SPECIALTIES 10 AND SHEET G2.01
- FLOOR DRAIN. COORDINATE WITH PLUMBING DRAWINGS.
- WOOD STUD WALL AND GYPSUM WALL BOARD WALL. RE: SHEETS G0.04 AND G0.05 WALL TYPES AND RATED ASSEMBLIES.
- CONCRETE MASONRY UNIT (CMU) WALL. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
- BRICK MASONRY VENEER. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS, COORDINATE WITH STRUCTURAL DRAWINGS.
- METAL VENEER. RE: WALL SECTIONS, WALL TYPES, EXTERIOR & INTERIOR ELEVATIONS. COORDINATE WITH STRUCTURAL DRAWINGS.
- FLOOR GRATE
- OFOI (HALF TONED AND DASHED)
- OFCI (BLACK AND DASHED)

pivot north ARCHITECTURE

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STAMP

LICENSED PROFESSIONAL ARCHITECT AR-984134 CLINT SIEVERS STATE OF IDAHO

01.17.22

RICE fergus MILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22

Project No:	20-041
Date:	01/18/2022
Checked By:	MS, GG
Drawn By:	RC, DS

Sheet Name:

LEVEL 1 - COMPOSITE FLOOR PLAN

100% BID SET

ADDENDUM-01 2.14.22

Sheet No:

A2.01

2/14/2022 3:52:45 PM

PRE-BID RFI - 29

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/16/22
Date Response Needed: 2/21/22
Spec Sections: 083613
Drawing References: A7.01

Request:

Paste a Screenshot Below

REF: Spec 083613 Sectional Doors & Sheet A7.01
Door Schedule & Types:

"See full description of question & comments on next page".

Response:

Paste a Screenshot Below

See response on next page.
Richard Carlos Pivot North Architecture

Request for Information (R.F.I.)

Additional Notes or Screen Shots

The Overhead Door Model 596 Sectional Door specified will not match either Elevation OH or OH-1 on A7.01 in respect to a fully framed door with vision and insulated panel sections. The framed vision panel sections can be provided, but the insulated panel sections would be a solid panel without the frame depicted on the sectional door elevations. Also, the vision panel frames can be factory powder-coated ‘red’ as noted on the Door Schedule / A7.01, but the insulated panel sections would need to be field-painted because the factory cannot powder-coat insulated panel sections. The factory could provide a standard finish, (white), and the panels would need to be field-painted to the specified color, (red).

If the Sectional Door elevations on A7.01 are the desired door & frame style, you may need to consider Overhead Door Model 521. See attached product data. The frames & insulated panels on this model of door could be factory powder-coated ‘red’ as specified. There would be a difference in the R-Value of the insulated panel section on this door due to the difference in thickness of the insulated panels on Model 521 versus those on Model 596.

Other questions to consider:
1.Standard Manufacturer’s 2” track specified. Suggest going to a heavy-duty 3” track based on the minimum number of operation cycles specified, (100,000 minimum).
2.Suggest insulating the stiles and rails on the door frames for better R-Value.

SECTIONAL DOOR ELEVATIONS ON SHEET A7.01 ARE THE DESIRED DOOR AND FRAME STYLE. THE USE OF OVERHEAD DOOR MODEL 521 PER OUR CODE AND ENERGY ANALYSIS FAILS THE OVERALL COMCHECK (SHEET G1.00). OH DOORS NEED TO BE AT LEAST R-17 OR BETTER.

THOUGH, IF OVERHEAD DOOR MODEL 596 IS THE ONLY OPTION THAT WE COULD USE TO ACHIEVE R-VALUE WE ARE INTENDING, WE ARE FINE GOING WITH THIS MODEL. VISION PANEL FRAMES TO BE POWDER-COATED "RED" AND WE WILL FIELD PAINT THE INSULATED PANEL SECTIONS.

PLEASE USE 3" TRACK.

RICHARD CARLOS
PIVOT NORTH ARCHITECTURE

PART 1 - GENERAL

1.1 SECTION INCLUDES

A . Overhead sectional doors, electrically operated.

B . Operating hardware and supports.

C . Electrical controls.

1.2 RELATED REQUIREMENTS

A . 05 50 00 - Metal Fabrications: Steel channel opening frame.

B . 06 10 00 - Rough Carpentry: Rough wood framing for door opening.

C . 07 90 05 - Joint Sealers: Perimeter sealant and backup materials.

D . 08 71 00 - Door Hardware: Lock cylinders.

1.3 ADMINISTRATIVE REQUIREMENTS

A . Preinstallation Meeting: Convene one week before starting work of this section in accordance with Section 01 31 00 - Project Management and Coordination.

1. Review preparation and installation procedures and coordinating and scheduling required with related work.

1.4 SUBMITTALS

A . Qualification Data: For manufacturer and installer.

B . Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.

C . Product Data: Show component construction, anchorage method, and hardware.

D . Manufacturer's Installation Instructions: Include any special procedures required by project conditions.

E . Maintenance Data: Include data for transmission, shaft and gearing, lubrication frequency, spare part sources.

1.5 QUALITY ASSURANCE

A . Manufacturer Qualifications: Company specializing in the manufacture of work specified in this section with minimum 5 years of experience.

B . Installer Qualifications: Company specializing in performing the work of this section with minimum of 3 years of experience.

1.6 DELIVERY, STORAGE, AND HANDLING

A . As required by the manufacturer for a warrantable installation of the installed products to meet the Performance and Design Criteria.

PART 2 - PRODUCTS

2.1 DESCRIPTION

A . Motorized sectional doors that operate vertically.

2.2 PERFORMANCE AND DESIGN CRITERIA

A . Products Requiring Electrical Connection: Listed and classified by testing firm acceptable to the authority having jurisdiction as suitable for the purpose specified and indicated.

B . Visible Light Transmission: 0.36 minimum.

C . Air Infiltration:

1. Air Infiltration: Maximum air leakage through fixed glazing and framing areas of 0.04 cfm/sq. ft. of fixed wall area as determined according to ASTM E283 at a minimum static-air-pressure differential of 12 lbf/sq. ft.

D . Thermal Movements: Allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures:

1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
2. Test Interior Ambient-Air Temperature: 75 deg F.
3. Test Performance: No buckling; stress on glass; sealant failure; or excess stress on framing, anchors, and fasteners; and no reduction of performance when tested according to AAMA 501.5.

2.3 MATERIALS

A . Sheet Steel:

1. Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G60/Z180 coating, plain surface.

B . Aluminum Sheet:

1. ASTM B209 (ASTM B209M), 5005 alloy, H14 temper, plain surface.

C . Aluminum Extrusions:

1. ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.

2.4 STEEL DOORS

2.5 DOOR ASSEMBLY OH-1 AND 2-H

A . Basis of Design: Overhead Door Company – Model 596 Thermacore sectional door or approved equal.

1. Insulated Steel Sectional Door: Sectional door formed with hinged sections and fabricated according to DASMA 102 unless otherwise indicated.

2. Operation Cycles: Door components and operators capable of operating for not less than 100,000. One operation cycle is complete when a door is opened from the closed position to the fully open position and returned to the closed position.
3. Solid panels and Full vision glazing with manufacturer's standard, nonglazed panels at areas indicated on drawings.
4. Track Configuration: Vertical track.
5. Weatherseals: Fitted to bottom and top and around entire perimeter of door. Provide combination bottom weatherseal and sensor edge.
6. Windows: As indicated on drawings; in row(s) at height indicated on Drawings; installed with glazing of the following type:
   a. Insulating Glass: Manufacturer's standard – clear.
7. Roller-Tire Material: Manufacturer's standard.
8. Locking Devices: Equip door with locking device assembly and chain lock keeper.
9. Counterbalance Type: Torsion spring.
10. Manual Door Operator: Chain-hoist operator.

B . Electric Door Operator:

1. Usage Classification: Heavy duty, 25 or more cycles per hour and more than 90 cycles per day.
2. Operator Type: Manufacturer's standard for door requirements.
3. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use.
4. Motor Exposure: Interior, clean, and dry.
5. Emergency Manual Operation: Chain type.
6. Obstruction-Detection Device: Automatic photoelectric sensor.
   a. Sensor Edge Bulb Color: As selected by Architect from manufacturer's full range.
7. Control Station: Where indicated on Drawings.
8. Other Equipment: Portable, radio-control system.

PART 3 - EXECUTION

3.1 EXAMINATION

A . Verify that wall openings are ready to receive work and opening dimensions and tolerances are within specified limits.

B . Verify that electric power is available and of the correct characteristics.

3.2 INSTALLATION

A . Install door unit assembly in accordance with manufacturer's instructions.

B . Anchor assembly to wall construction and building framing without distortion or stress.

C . Securely brace door tracks suspended from structure. Secure tracks to structural members only.

D . Fit and align door assembly including hardware.

E . Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 079005.

F . Install perimeter trim and closures.

3.3 TOLERANCES

A . Maximum Variation from Plumb: 1/16 inch.

B . Maximum Variation from Level: 1/16 inch.

C . Longitudinal or Diagonal Warp: Plus or minus 1/8 inch from 10 ft straight edge.

D . Maintain dimensional tolerances and alignment with adjacent work.

3.4 ADJUSTING

A . Adjust door assembly for smooth operation and full contact with weatherstripping.

3.5 CLEANING

A . Remove temporary labels and visible markings.

3.6 PROTECTION

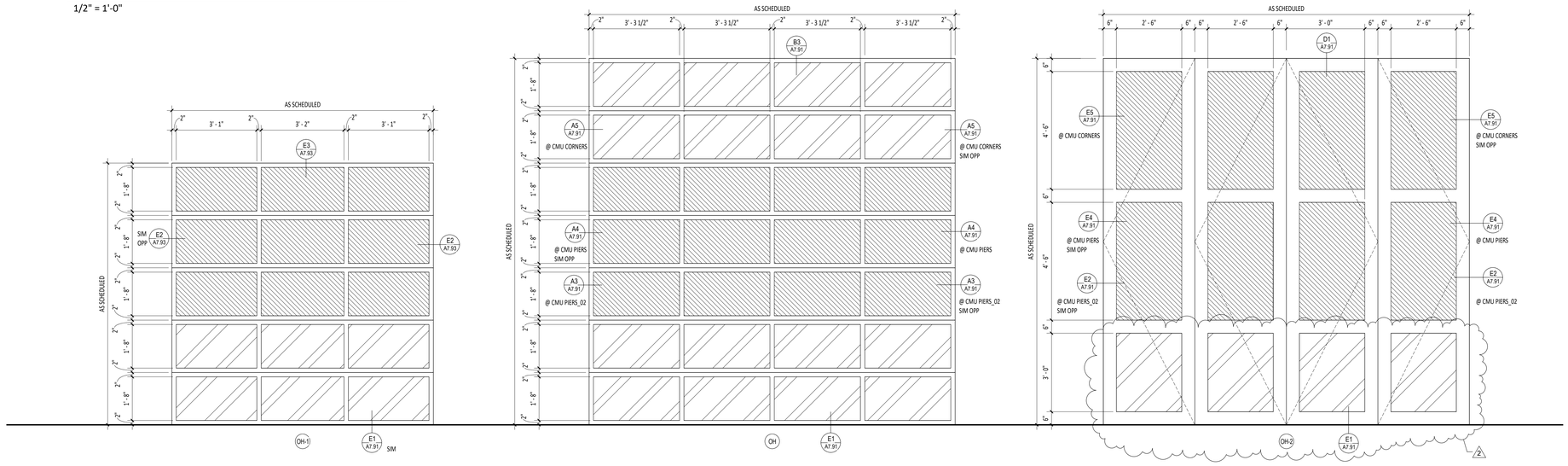
A . Protect installed products from damage during subsequent construction.

B . Do not permit construction traffic through overhead door openings after adjustment and cleaning.

END OF SECTION

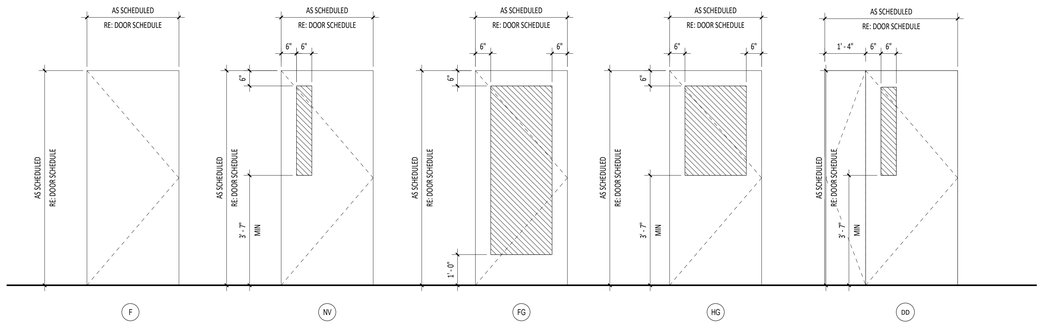
STEEL FRAME TYPES_(OH-1, OH, OH-2)

1/2" = 1'-0"



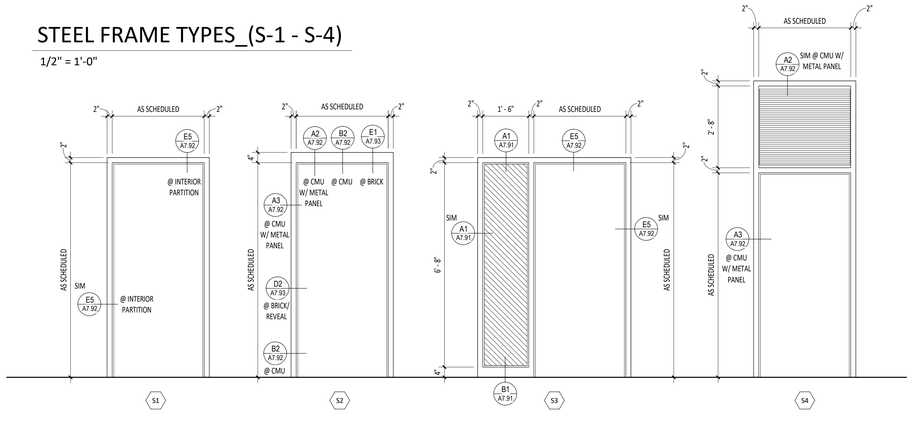
DOOR TYPES

1/2" = 1'-0"



STEEL FRAME TYPES_(S-1 - S-4)

1/2" = 1'-0"



GENERAL NOTES - DOORS & FRAMES

1. PAINT ALL METAL FRAMES & ACCESSORIES TO P-4.
2. ALL HOLLOW METAL FRAME GLAZING STOPS TO BE PLACED ON ROOM SIDE OPPOSITE FROM HALLWAY / CORRIDOR.
3. PROVIDE FULLY TEMPERED FIRE-RATED GLAZING, PER SPECIFICATION SECTION 08 80 00, IN METAL FRAMES AND DOORS WHERE 60M ASSEMBLY AT DOORS ARE REQUIRED (RE: DOOR SCHEDULE). FIRE-RATED GLAZING ASSEMBLY SHALL BE 60M.
4. PROVIDE FULLY TEMPERED GLASS UNITS WHERE REQUIRED BY I.B.C. SECTION 2406 AND SPECIFICATION SECTION 08 80 00 GLAZING.
5. PROVIDE FLOAT GLASS, PER SPECIFICATION SECTION 08 80 00, AT CONDITIONS OTHER THAN DESCRIBED IN GENERAL NOTES 3 AND 4 OF DRAWING SHEET.
6. COORDINATE ALL INDICATED FRAME DETAILS WITH ACTUAL MASONRY WALL CONFIGURATION. RE: BUILDING ELEVATIONS AND WALL SECTIONS FOR MASONRY PROFILES. APPLY DETAILS AS APPLICABLE.
7. COORDINATE WITH FLOOR PLANS AND SECTIONS FOR WALL TYPES.
8. RE: STRUCTURAL DRAWINGS FOR REINFORCEMENT FOR CMU WALLS.

ABBREVIATIONS

ALUM	- ALUMINUM
FF	- FACTORY FINISH AS SPECIFIED
HM	- HOLLOW METAL
HPC	- HIGH PERFORMANCE COATING
M	- MINUTES
P#	- PAINT COLOR "NUMBER" (RE: DIVISION 9 SECTION "INTERIOR PAINTING".
WD	- WOOD
S	- SMOKE
AN	- ANODIZED

LEGEND

HATCH IN FRAME UNITS INDICATES AREAS OF FULLY-TEMPERED FLOAT GLASS. RE: DIVISION 088000 IN THE SPECIFICATIONS.

NO HATCH AREA IN FRAME UNITS INDICATES AREAS OF FLOAT GLASS. RE: DIVISION 088000 IN THE SPECIFICATIONS.

HATCH IN FRAME UNITS INDICATES AREAS OF RED METAL PANEL. RE: DIVISION 088000 IN THE SPECIFICATIONS.

SCHEDULE - DOOR

	DOOR					FRAME					
DOOR #	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	Fire Rating	DOOR HARDWARE	REMARKS
100	FG	3' - 0"	7' - 10"	AL	FF	A1	AL	FF		A1	POWDER COAT FINISH "RED" AS SELECTED BY ARCHITECT
101	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		09	
102	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		12	
104	FG	3' - 0"	7' - 0"	WD	STAINED PL-1	S3	HM	P-4		10	
105	FG	3' - 0"	7' - 0"	WD	STAINED PL-1	S3	HM	P-4		10	
106	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
107	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		09	
109	FG	3' - 0"	7' - 10"	AL	FF	A2	AL	FF		A1	
110a	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		08	
110b	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
111	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
112a	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
112b	OH-1	14' - 0"	10' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
112c	FG	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		02	
113	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
114	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
115	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
116	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
117	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
118	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	20 MIN	05	
120	NV	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
121	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		09	
122	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
124	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		09	
125	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		09	
126	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		06	
127	F	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4		11	
128a	HG	3' - 0"	7' - 0"	WD	STAINED PL-1	S1	HM	P-4	45 MIN	07	
128b	HG	3' - 0"	7' - 0"	HM	FF	S1	HM	P-4	45 MIN	07	
128c	FG	3' - 0"	7' - 0"	AL	FF	A7	AL	FF		03	INCLUDE RAIN CAP
128d	OH	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
128e	OH	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
128f	OH	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
128g	FG	3' - 0"	7' - 0"	AL	FF	A10	AL	FF		03	INCLUDE RAIN CAP
128h	FG	3' - 0"	7' - 0"	AL	FF	A9	AL	FF		03	INCLUDE RAIN CAP
128i	OH-2	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
128j	OH-2	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
128k	OH-2	14' - 0"	14' - 0"	PER MANUFACTURER	PAINT	-	PER MANUFACTURER	-		01	COLOR RED AS SELECTED BY ARCHITECT
133	NV	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		11	
134	F	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		05	
135	F	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		10	
136a	NV	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		06	
138a	DD	5' - 4"	7' - 0"	HM	P-4	S2	HM	P-4	-	14	
138b	F	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4		06	
139a	F	3' - 0"	7' - 0"	HM	P-4	S2	HM	P-4	45 MIN	13	REMOVABLE FRAME STOP
139b	F	3' - 0"	6' - 8"	HM	P-4	S4	HM	P-4		04	

pivot north ARCHITECTURE

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01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS
Drawn By:	DS, KD

Sheet Name:

DOOR SCHEDULE & TYPES

100% BID SET

ADDENDUM-01 2.14.22

Sheet No:

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596

THERMACORE® DOOR SYSTEMS

EXTRA HEAVY-DUTY INSULATED STEEL SECTIONAL DOORS

SOUND SUPPRESSION CAPABILITIES.
EXCEPTIONAL THERMAL EFFICIENCY.

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

Standard features at a glance

Thermal efficiency	
R-value*	17.40 (3.06 K m²/W)
U-value	.057 (.327 W/K m²)
Thermal break	PVC
Air infiltration	at 15 mph (24 kmph): .08 cfm/ft² (1.46 m³/hr/m²)
Construction	
Panel thickness	2" (51 mm)
Max height**	24'1" (7341 mm)
Max width**	36'2" (11024 mm)
Exterior steel	20-gauge galvanized
Exterior surface	Flush, textured
Standard springs	10,000 cycle
Sound transmission rating	Class 26
Color options	
Interior colors	White
Exterior colors	White, Gray, Tan, Industrial Brown
Limited warranty	10-year delamination 1-year door 3-year/20,000 cycle door and operator system (material and workmanship)

Options

- Thermal glazing
- Aluminum sash section available to 24'2" (7366 mm) wide
- Four section pass door
- High-usage components
- Wind load options
- Electric operator
- Chain hoist
- Posi-Tension™ drums
- Safety bottom fixtures
- Bottom-sensing edge
- Flexible jamb, header seal
- Exhaust ports

* R-value is a measure of thermal efficiency. The higher the R-value the greater the insulating properties of the door. Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

** Maximum door size is dependent on weight. Doors are not available to the maximum height at the maximum width.

Image above: *Gray finish, Double Thermal Acrylic*

Cover image: *White finish, Double Thermal Acrylic*

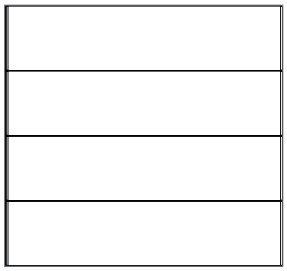
Superior sound suppresion

The Thermacore® Model 596 is ideal for extra heavy-duty applications where both thermal efficiency and sound suppression are desirable.

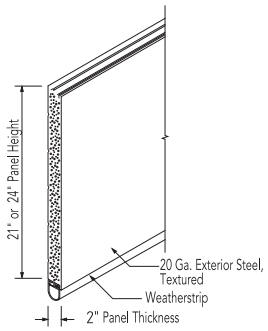
It incorporates the Thermacore® steel-polyurethane-steel panel construction, which provides a thermal barrier to withstand harsh climates and demanding environmental requirements. The result is a solid, well-built door that keeps both the weather and unwanted sound at bay.

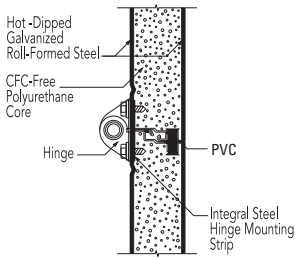
Installation and service: Overhead Door Company of Glens Falls™

Panel options



Flush panel





Color options

White | Industrial Brown | Gray | Tan

Actual colors may vary from brochure due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Glazing options

Double Thermal Acrylic (25" w by 12" h)

Aluminum Sash Section* with DSB glazing

*Standard color White

Insulated DSB (24" w by 7" h)

Clear Long** (44" w by 15" h)

**Not available on doors wider than 20'2"

Installation and Service: Overhead Door Company of Twin Falls™.

Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

www.overheaddoor.com

The original, innovative choice for unequalled quality and service.

Overhead Door Corporation pioneered the upward-acting door industry, inventing the first upward-acting door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door™ products more often than any other brand. Our family of over 400 Overhead Door™ Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

2501 S. State Hwy. 121 Bus., Suite 200, Lewisville, TX 75067
1-800-929-DOOR • sales@overheaddoor.com
overheaddoor.com

511/521/522

Aluminum Door Systems

ALUMINUM SECTIONAL DOORS

VISUAL ACCESS.
LIGHT INFILTRATION.
CONTEMPORARY LOOK.

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

Model 511, Brown powder coat finish, Clear glass

General features and benefits – Models 511/521

- **1 3/4" (45 mm) thick, corrosion-resistant 6063-T6 aluminum sections** with galvanized fixtures and hinges promotes durability and trouble-free operation
- **1/4" (6 mm) diameter through-rods** on all stiles and rails enhances strength and sturdiness
- **Top-quality materials, excellent field service and optional maintenance program** contribute to extended door life, low maintenance costs and maximum productivity
- **Glazing choices** include DSB glass, acrylic, tempered glass, clear polycarbonate, multi-wall polycarbonate, wire glass, Low E, Lexan and laminate
- **Standard clear anodized finish** for low-maintenance and corrosion-resistance
- **Optional finishes** include a wide range of powder coat colors offering an attractive and durable finish
- **Manual pull rope operation** with optional chain hoist or electric motor operator
- **Available in approximately 200 RAL powder coat colors** to match the aesthetic and design of your project. This color optional upgrade includes a hardening additive that provides an attractive and durable finish and easy-to-clean surface.

Cover image: *Model 521, Clear anodized finish with Clear glass.*

Model 522, Mirrored Gray glass

General features and benefits – Model 522

- **Frameless design** – the ultimate sleek and modern aluminum full-view door
- **Vinyl seals** between the sections and the flexible bottom seal help to minimize air flow
- **Large glass panels,** mounted to the front of the door, allow maximum light and visibility
- **1 ⅜" thick aluminum section** with patent pending design for long life and durability
- **2 ¼" integrated reinforcing rib** on upper intermediate rail for doors 10'3" wide and over
- **Meets ASHRAE 90.1 and IECC® air infiltration requirements** with a third-party tested value of less than 0.4 cfm/ft²
- **Meets California Code of Regulation, Title 24 air infiltration requirements** with a third-party tested value of less than 0.3 cfm/ft²

ALUMINUM DOOR SYSTEMS

MODELS **511/521/522** offer an attractive solution for commercial and industrial applications where visual access, light infiltration and aesthetics are key design considerations.

Model 521, Clear anodized finish with Clear glass

Glass options for Models 511/521

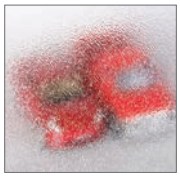
Specialty Glass

- Laminated White – privacy
- Low E Glass** – thermal efficiency
- Tempered Glass – enhanced safety
- Tinted Glass** – color options: Green, Gray, Bronze

Glass alternatives

- Clear Lexan® Polycarbonate** – shatter resistant
- Multi Wall Polycarbonate – superior strength with UV protection; color options: Clear, White, Bronze
- Plexiglas® Acrylic** – shatter resistant
- Impact Clear and Frosted Polycarbonate - 0.250" minimum

Double Strength DSB** (Standard)



Obscure

Satin Etched

Gray Tint

Green Tint

Bronze Tint

Impact Frosted Polycarbonate

Actual glass may vary from brochure photos due to fluctuations in the printing process. Check with your Overhead Door™ Distributor to view a glass sample.

** Insulated options available.

Model 511, Clear Anodized finish with Clear glass

ALUMINUM DOOR SYSTEMS MODEL 511

doors are designed in sizes up to 16'2" wide and 16'1" high (4928 mm and 4902 mm). Featuring a narrow center stile width of 21/32" (17 mm), these doors are sleek, attractive and permit maximum visibility. An array of glazing choices, top and bottom rail widths, finishes and special options customizes the 511 Model to satisfy nearly any project requirement.

Model 511, Black powder coat finish, Clear glass.

Standard features at a glance

Panel thickness	1 ¾" (45 mm)
Maximum standard height	16'1" (4902 mm)
Maximum standard width	16'2" (6147 mm)
Material	6063-T6 aluminum
Standard finish	204R-1 clear anodized
Center stile width	21/32" (17 mm)
End stile width	2 ¾" (70 mm)
Top rail width	2 3/8" (60 mm) or 3¾" (95 mm)
Top intermediate rail width	¾" (19 mm)
Bottom intermediate rail width	5/8" (16 mm)
Bottom rail width	2 3/8" (60 mm) or 3 ¾" (95 mm) or 4 ½" (114 mm)
Weatherseals	Bottom, flexible PVC
Standard springs	10,000 cycle
Track	2" (51 mm)
Mounting	Angle
Operation	Manual pull rope
Hinges and fixtures	Galvanized steel
Lock	Galvanized, interior-mounted single unit
Warranty	1-Year Limited; 3-Year Limited powder coat finish

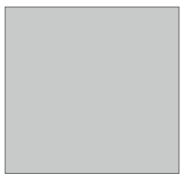
Options

Glazing options*: 1/8" (3 mm) DSB; 1/8" (3 mm) or 1/4" (6 mm) acrylic; 1/8" (3 mm) or 1/4" (6 mm) tempered; 1/8" (3 mm) or 1/4" (6 mm) clear polycarbonate; 1/4" (6mm) and 3/8" twin-wall polycarbonate, 5/8" triple-wall polycarbonate; 1/4" (6 mm) 3/8" (10 mm) and 5/8" (16 mm) twin-wall polycarbonate, triple-wall polycarbonate 1/4" (6 mm) wire glass; 1/2" (12 mm) insulated glass
Electric operator or chain hoist
Bottom sensing edge
3" track
Bracket mounting (not available on full vertical door tracks)
Higher-cycle springs in 25k, 50k, 75k, 100k cycles
Chain hoist
Posi-tension drums

*Contact your local Overhead Door™ Distributor for special glazing requirements. Verify 1/4" (6 mm) glass applications with factory.

Structure options

Anodized finishes


Clear (standard)


Light Bronze


Medium Bronze


Dark Bronze

Powder coat finishes

Select from approximately 200 RAL powder coat color options to best match your home.

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Panel layout

Door width	Number of panels
to 11'11" (3632 mm)	3
12'0" to 14'11" (3658 mm to 4547 mm)	4
15'0" to 16'2" (4572 mm to 4928 mm)	5

Section stack

Door height	Number of sections
to 8'6" (2591 mm)	4
8'7" to 10'1" (2616 mm to 3073 mm)	5
10'2" to 12'1" (3099 mm to 3683 mm)	6
12'2" to 14'1" (3708 mm to 4293 mm)	7
14'2" to 16'1" (4318 mm to 4902 mm)	8

ALUMINUM DOOR SYSTEMS MODEL 521

is perfect for environments where maximum light infiltration and/or visual access is required. Designed to fit openings up to 26'2" (7976 mm) wide and 20'1" (6121 mm) high, the 521 Model features a wide, 2 11/16" (68 mm) center stile, a 2 3/8" (60 mm) or 3 3/4" (95 mm) top rail, and 3 3/4" (95 mm) or 4 1/2" (114 mm) bottom rail. A variety of glazing choices, finishes and special options are available.

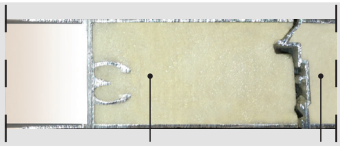
Model 521, powder coat black finish and Clear glass.

Optional polyurethane insulation for stiles and rails up to 18'2" wide

1/2" insulated glazing unit	Door R-value (K m²/W)
DSB- clear, tempered, obscure	2.87
Clear polycarbonate	2.93
DSB - Solar Bronze	3.17
DSB - Low E coating	3.43
SolarBan 70XL argon filled	4.09
Multi-wall polycarbonate	**Door R-value (K m²/W)**
1/4" thick unit	2.75
3/8" thick unit	3.21
5/8" thick unit	3.48
Insulated panels	**Door R-value (K m²/W)**
3/8" EPS solid panels	2.60

Approx R-value for the window sections

Approx R-value for the solid sections



Polyurethane filled rails and stiles

*R-value: Overhead Door Corporation uses a calculated door section R-value for our insulated doors.

Standard features at a glance

Section thickness	1 ¾" (45 mm)
Maximum standard height	20'1" (6121 mm)
Maximum standard width	26'2" (7976 mm)
Material	Extruded 6061-T6 aluminum
Standard finish	204R-1 clear anodized (painted white at no charge)
Center stile width	2 11/16" (68 mm)
End stile width	3 5/16" (85 mm)
Top rail width	2 3/8" (60 mm) or 3 ¾" (95 mm)
Top intermediate rail width	2 1/8" (54 mm)
Bottom intermediate rail width	1 19/32" (40 mm)
Bottom rail width	3 ¾" (95 mm) or 4 ½" (114 mm)
Weatherseals	Bottom, flexible PVC
Standard springs	10,000 cycle
Track	2" (51 mm)
Mounting	Angle
Operation	Manual pull rope
Hinges and fixtures	Galvanized steel
Lock	Galvanized, interior-mounted single unit
Warranty	1-Year Limited; 3-Year Limited on powder coat finish

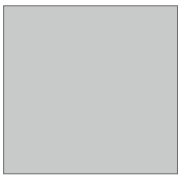
Options

Glazing options†: 1/8" (3 mm) DSB; 1/8" (3 mm) or 1/4" (6 mm) acrylic; 1/8" (3 mm) or 1/4" (6 mm) tempered; 1/8" (3 mm) or 1/4" (6 mm) clear polycarbonate; 1/4" (6mm) and 3/8" twin-wall polycarbonate, 5/8" triple-wall polycarbonate; 1/4" (6 mm) 3/8" (10 mm) and 5/8" (16 mm) twin-wall polycarbonate, triple-wall polycarbonate 1/4" (6 mm) wire glass; 1/2" (12 mm) insulated glass
Electric operator or chain hoist
Bottom sensing edge
3" track
Bracket mounting (not available on full vertical door tracks)
Higher-cycle springs in 25k, 50k, 75k, 100k cycles
Exhaust ports
Four-section pass door
Wind load and impact rated door available
Posi-tension drums
Bronze anodization
Powder coat finish
Pass door

†Contact your local Overhead Door™ Distributor for special glazing requirements. Verify 1/4" (6 mm) glass applications with factory.

Structure options

Anodized finishes


Clear (standard)

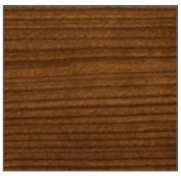

Light Bronze


Medium Bronze


Dark Bronze

Wood grain powder coat finishes*


Knotty Pine


Cherry


Cherry with Flame


Dark Walnut

Powder coat finishes

Select from approximately 200 RAL powder coat color options to best match your home.

*Wood grain availability dependent upon location.

Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Panel layout

Door width	Number of panels
to 9'2" (to 2794 mm)	2 or 3 (standard)
9'3" to 12'2" (2819 mm to 3708 mm)	3
12'3" to 16'2" (3734 mm to 4953 mm)	4
16'3" to 18'2" (4978 mm to 5537 mm)	4 or 5 (standard)
18'3" to 19'2" (5562 mm to 5842 mm)	5
19'3" to 20'11" (5867 mm to 6375 mm)	6**
21'0" to 23'11" (6401 mm to 7290 mm)	8**
24'0" to 26'2" (7315 mm to 7976 mm)	10**

Section stack

Door height	Number of sections
to 8'6" (2591 mm)	4
8'7" to 10'1" (2616 mm to 3073 mm)	5
10'2" to 12'1" (3099 mm to 3683 mm)	6
12'2" to 14'1" (3708 mm to 4293 mm)	7
14'2" to 16'1" (4318 mm to 4902 mm)	8
16'2" to 18'1" (4928 mm to 5512 mm)	9
18'2" to 20'1" (5537 mm to 6121 mm)	10

**Special construction. Consult your local Overhead™ Door Distributor for additional information.

ALUMINUM DOOR SYSTEMS MODEL 522

This aluminum full-view door is ideal for restaurants, auto dealerships and any application where the door needs to integrate seamlessly with the aesthetics of the building.

Model 522, Mirrored Bronze glass

Standard features at a glance

Section thickness	1 3/8" (35 mm)
Maximum standard height	14'1" (4318 mm)
Maximum standard width	18'2" (5486 mm)
Material	6063-T6 aluminum
Standard finish	White, Black or Bronze Powder Coat
Center stile width	3" (76 mm)
End stile width	3 ½" (89 mm)
Top rail width	3 ½" (89 mm)
Top intermediate rail width	1 5/8" (41 mm)
Bottom intermediate rail width	1 3/8" (35 mm)
Bottom rail width	3 ½" (89 mm)
Standard springs	10,000 cycle
Track	Provide track as recommended by manufacturer to suit loading required and clearances available
Mounting	Angle
Operation	Manual pull rope
Hinges and fixtures	Galvanized steel
Lock	Galvanized, interior-mounted single unit
Warranty	1-Year Limited

Options

- Springs: 25,000, 50,000, 75,000 or 100,000 cycles
- Weather stripping: jamb and header seals
- White or Black powder coat track

Glass options


Opaque White


Opaque Black

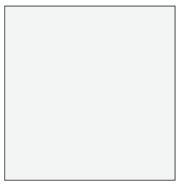

Mirrored Gray


Mirrored Bronze


Translucent Black

Structure options

Powder Coat Finishes


White


Black


Bronze

Anodized Finishes


Black


Bronze

Actual colors may vary from brochure due to fluctuations in the printing process. Always request a color sample from your Overhead Door™ Distributor for accurate color matching.

Aluminum and glass pairing

Aluminum options	Glass color
White Powder Coat	Opaque White
Black Powder Coat / Bronze Powder Coat / Black Anodized / Bronze Anodized	Opaque Black / Mirrored Gray / Mirrored Bronze / Translucent Black

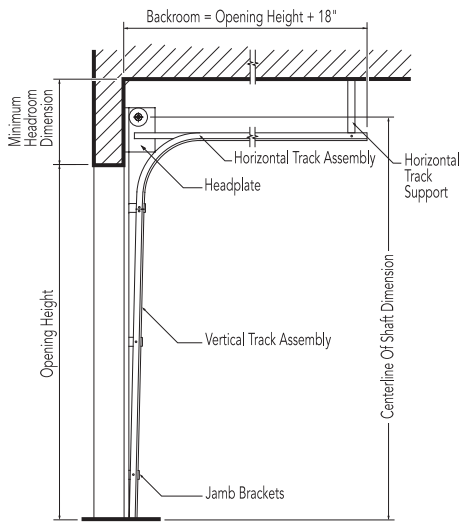
Each door is unique and built to order, therefore a slight deviation in glass alignment is possible. These doors may become hot to the touch in sustained hot weather. See website for door sizes, section selection and other details.

Track detail

Any of the following track configurations can be selected for 511, 521 and 522 Aluminum door models.

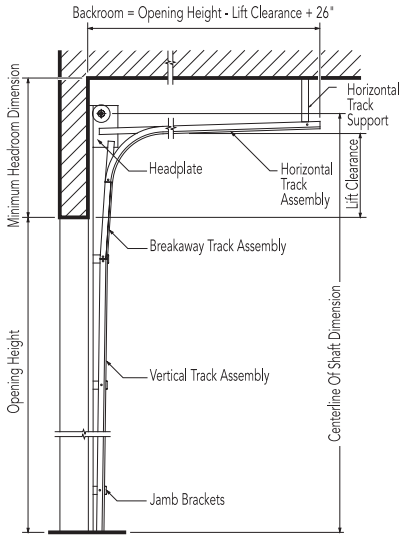
O.H.=Opening height L.C.=Lift clearance D.H.=Door height

Standard lift track



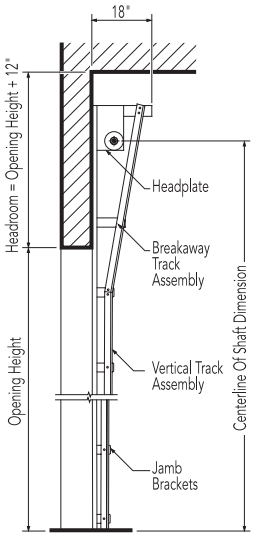
2" (51 mm) Track [15" (381 mm) radius]		
Door height	Centerline of shaft	Minimum headroom
Thru 12'0" (3658 mm)	O.H. + 11 5/8" (295 mm)	14 1/4" (362 mm)
Thru 16'0" (4877 mm)	O.H. + 12 5/8" (321 mm)	20 1/2" (521 mm)
3" (76 mm) Track [15" (381 mm) radius]		
Thru 18'0" (5486 mm)	O.H. + 14 5/8" (372 mm)	18" (457 mm)
Thru 32'0" (9754 mm)	O.H. + 16 7/8" (429 mm)	21 1/2" (546 mm)

Lift clearance track Standard



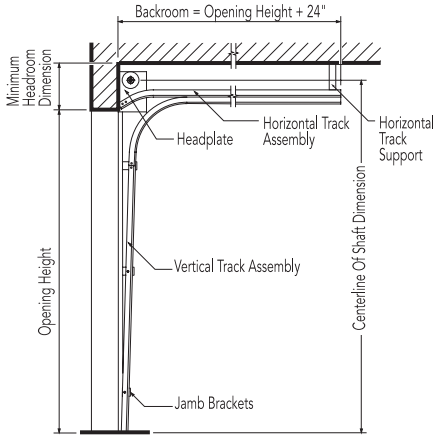
2" (51 mm) Track [15" (381 mm) radius]		
Door height	Centerline of shaft	Minimum headroom
Thru 12'0" (3658 mm)	O.H. + L.C. + 5 5/8" (143 mm)	L.C.+ 8 3/4" (222 mm)
Thru 16'0" (4877 mm)	O.H. + L.C. + 5 5/8" (143 mm)	L.C.+ 11 1/4" (286 mm)
3" (76 mm) Track [15" (381 mm) radius]		
Thru 22'0" (6706 mm)	O.H. + L.C. + 6 5/8" (168 mm)	L.C.+ 11 1/2" (292 mm)
Thru 32'0" (9754 mm)	O.H. + L.C. + 6 5/8" (168 mm)	L.C.+ 12 1/4" (311 mm)

Full vertical track



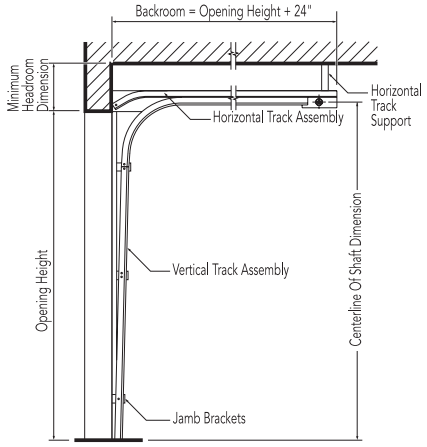
2" (51 mm) Track [15" (381 mm) radius]		
Door height	Centerline of shaft	Minimum headroom
Thru 11'0" (3353 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)
Thru 16'0" (4877 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)
3" (76 mm) Track [15" (381 mm) radius]		
Thru 18'0" (5486 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)

Low headroom track Springs to front



2" (51 mm) Track [15" (381 mm) radius]		
Door height	Centerline of shaft	Minimum headroom
Thru 12'0" (3658 mm)	D.H. + 8" (203 mm)	11 3/4" (299 mm)
Thru 16'0" (4877 mm)	D.H. + 8" (203 mm)	12 1/2" (318 mm)
3" (76 mm) Track [15" (381 mm) radius]		
Thru 12'0" (3658 mm)	D.H. + 9" (229 mm)	13" (330 mm)
Thru 32'0" (5486 mm)	D.H. + 9" (229 mm)	13 3/4" (349 mm)

Low headroom track Springs to rear

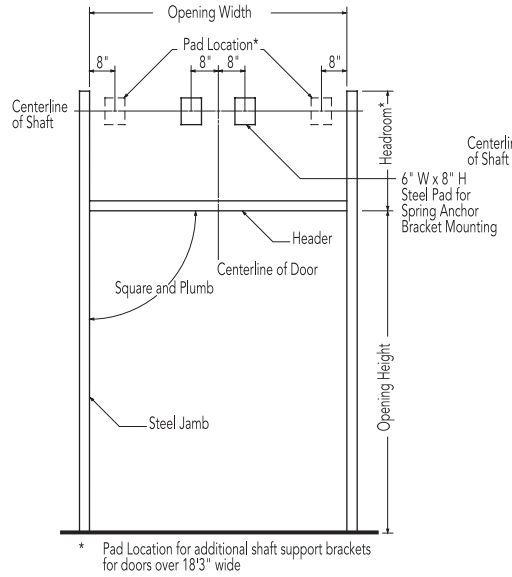


2" (51 mm) Track [15" (381 mm) radius]		
Door height	Centerline of shaft	Minimum headroom
Thru 12'0" (3658 mm)	O.H. + 2" (51 mm)	7 1/2" (191 mm)
Thru 16'0" (4866 mm)	O.H. 2" (51 mm)	8" (203 mm)
3" (76 mm) Track [15" (381 mm) radius]		
Thru 18'0" (5486 mm)	O.H. 6 3/4" (171 mm)	9 3/4" (248 mm)

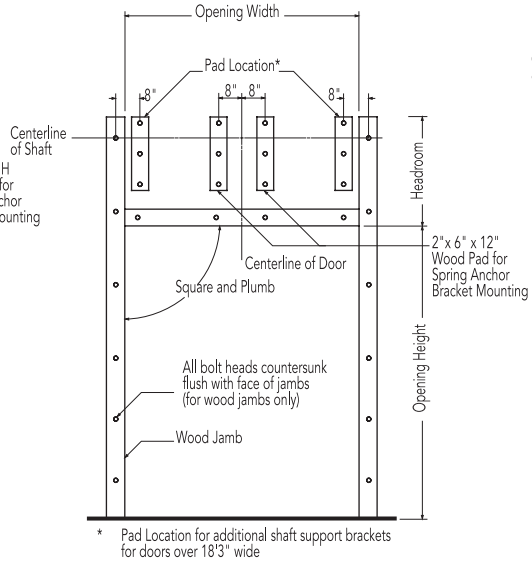
Framing and pad detail

Framing and pad details for common installation of Aluminum doors in steel, wood, concrete and masonry jambs are provided here. If you require additional information or have special project requirements, refer to the Architectural Design Manual, (www.overheaddoor.com/ADM/base.html) or consult with the Applications Engineering Group or your local Overhead Door™ Distributor.

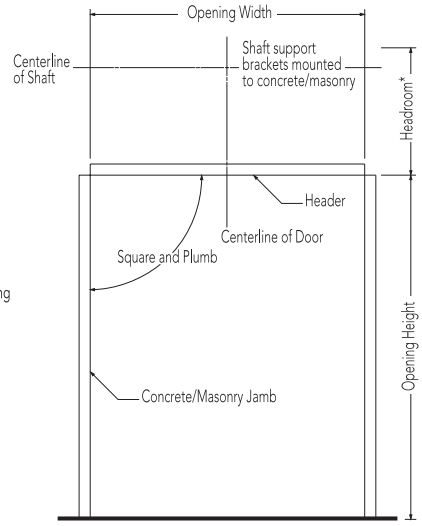
Steel jambs



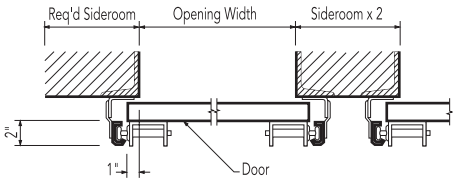
Wood jambs



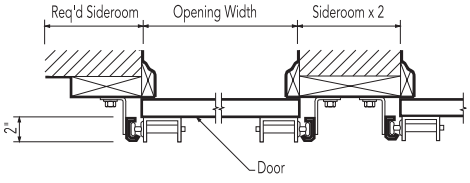
Concrete/masonry jambs



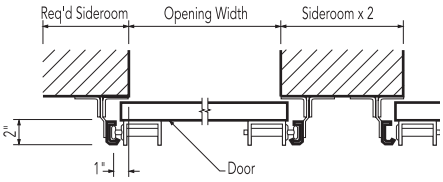
2" (51 mm) track



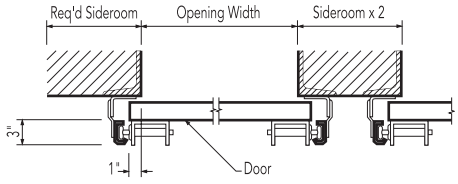
2" (51 mm) track



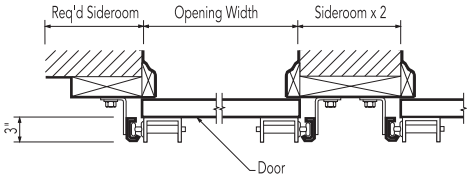
2" (51 mm) track



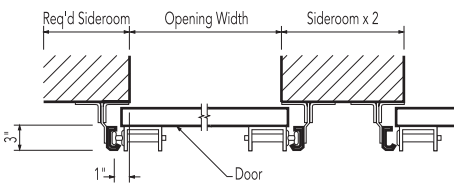
3" (76 mm) track



3" (76 mm) track



3" (76 mm) track



Minimum required sideroom

Track type	2" Track (51 mm)	3" Track (76 mm)
Standard lift	4 1/2" (114 mm)	6 1/2" (165 mm)
Low headroom	9" (229 mm)	10" (254 mm)
Lift clearance	4 1/2" (114 mm)	6 1/2" (165 mm)
Full vertical	4 1/2" (114 mm)	6 1/2" (165 mm)

Minimum required sideroom

Track type	2" Track (51 mm)	3" Track (76 mm)
Standard lift	3 1/2" (89 mm)	5 1/2" (140 mm)
Low headroom	8" (203 mm)	9" (229 mm)
Lift clearance	3 1/2" (89 mm)	5 1/2" (140 mm)
Full vertical	3 1/2" (89 mm)	5 1/2" (140 mm)

Minimum required sideroom

Track type	2" Track (51 mm)	3" Track (76 mm)
Standard lift	4 1/2" (114 mm)	6 1/2" (165 mm)
Low headroom	9" (229 mm)	10" (254 mm)
Lift clearance	4 1/2" (114 mm)	5 1/2" (140 mm)
Full vertical	4 1/2" (114 mm)	5 1/2" (140 mm)

Electric operators

We offer a broad line of electric operators to suit new construction and retrofit applications, as well as unusual or special requirements. In order to improve safety and enhance door and motor life, industry quality assurance guidelines recommend the choice of a single manufacturer for both door and operator applications.

We are one of the only national manufacturers to offer a full line of commercial and industrial doors and operators specifically designed for integral applications.

Model RHX®

Model RHX® is a heavy duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 3696 pounds (1676 kg). Available as either a trolley, sidemount or centermount.

Model RMX®

Model RMX® is our most advanced medium-duty operator. It is designed for quicker installation and hassle-free operation and operates doors up to 14' (4267 mm) in height and 620 pounds (282 kg). It is available as a trolley-type or side-mounted unit.

Model RSX®

Model RSX® is a standard duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 1620 pounds (735 kg). It offers unique features like LimitLock®, SuperBelt™ and 16 digit menu setup.

Operator control options

- Push-button, key or combination stations; surface- or flush-mounted for interior and/or exterior locations
- Vehicle detectors, key card reader, photocell and door timer controls
- Treadle or pull switch stations
- Telephone entry and coded keyboard stations
- Universal programmable door timer
- Radio control systems (24 VAC or 120 VAC)
- Explosion and dust ignition-proof systems

Electric operator selection guide

	Horsepower/ Newtons	Max. height of door	Max. weight of door	Super Belt™/ Polybelt	Worm gear	Adjustable clutch	Totally enclosed	Continuous duty	Explosion proof	Mounting type
RHX®	1/2 HP, 3/4 HP 1 HP, 3 HP	24' (7315 mm)	3696 lbs (1676 kg)		●	●		●	●	T, S, C
RSX®	1/2 HP, 3/4 HP 1 HP	24' (7315 mm)	1620 (735 kg)	●		●	●	●		T, S, C
RMX®	1/2 HP	14' (4267 mm)	620 (281 kg)	●						T, S

Mounting options:
T=Trolley S=Side mount C= Center mount

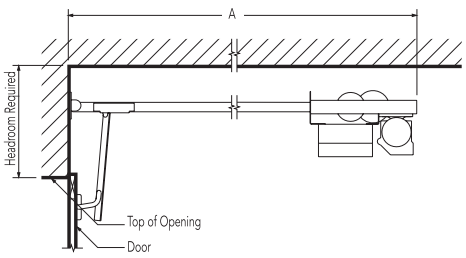
Safety recommendations

We strongly recommend the use of a primary safety device as defined by UL325 2010. A primary safety device can be approved monitored photo-eyes or an approved monitored sensing edge. If a primary safety device is not installed, a constant contact control switch must be used to close the door. Contact your Overhead Door™ Distributor for more information.

Mounting details

Trolley-type (Drawbar) RMX®, RSX®,RHX®

Trolley-type (Drawbar) operators feature a power unit mounted between, above and to the rear of the horizontal tracks. The drawbar drive provides positive control of the door at all times, making this operator the preferred choice whenever possible. Maximum door width is 20' per drawbar. Door width over 20' requires dual drawbar installation. Available on Models RMX®, RSX® and RHX®.

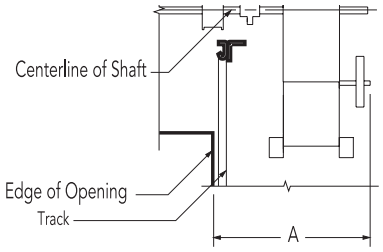


Minimum headroom requirements	
RMX®	Track requirements +4 1/2" (114 mm)
RSX®	Track requirements +5" (127 mm)
RHX®	Track requirements +5" (127 mm)

Depth requirements - "A" dimension (backroom)	
RMX®	Door height +4' 0" (1219 mm)
RSX®	Door height +4' 0" (1219 mm)
RHX®	Door height +4' 10" (1219 mm)

Side mount type (Jackshaft) RMX®, RSX®, RHX®

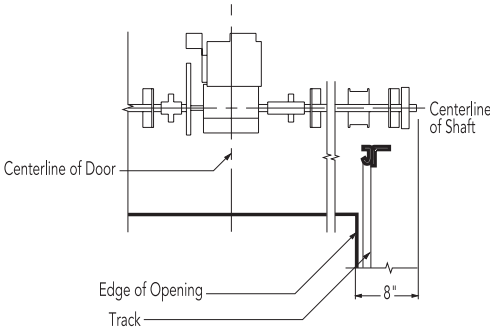
Side-mounted (Jackshaft) RMX®, RSX®, and RHX® operators feature a power unit mounted on the inside front wall and connected to the crosshead shaft, with an adjustable coupling or drive chain and sprockets.



"A" dimension - minimum (sideroom)		
	2" track (51 mm)	**3" track (76 mm)**
RMX®	18 1/2" (470 mm)	19 1/2" (495 mm)
RSX®	21" (533 mm)	22" (559 mm)
RHX®	21" (533 mm)	22" (559 mm)

Center mount type/Jackshaft RSX®, RHX®

Center-mounted (Jackshaft) operators feature a power unit on the front wall above the door opening. No additional backroom is required. Available on models RSX® and RHX®.



Minimum headroom requirements	
RSX®	Track requirements +14" (356 mm)
RHX®	Track requirements +23 5/8" (600 mm)

Model 521, solid panel, custom powder coat finish

Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

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Overhead Door Corporation pioneered the sectional garage door industry, inventing the first sectional garage door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door™ products more often than any other brand. Our family of over 400 Overhead Door™ Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.

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overheaddoor.com

PRE-BID RFI - 30

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/16/22
Date Response Needed: 2/21/22
Spec Sections:
Drawing References: A7.01 S3.01,S3.11

Request:

Paste a Screenshot Below

REF: Sheet A7.01 w/detail excerpts from A3.10, A3.11 & A4.11. Also, see Details 3,4 / S3.01 & 3,5 / S3.11.

The header on the interior side of O/H Doors #128d. e & f is unclear. Detail B3 / A7.01 appears to show just a 6x6 Tube Steel Header across OHD openings, but Detail D1 / A4.11 appears to show a solid masonry wall across the OHD header. The overhead door bidders have indicated they need a minimum vertical surface of between 18"-22" to install the coil spring for the O/H Doors.

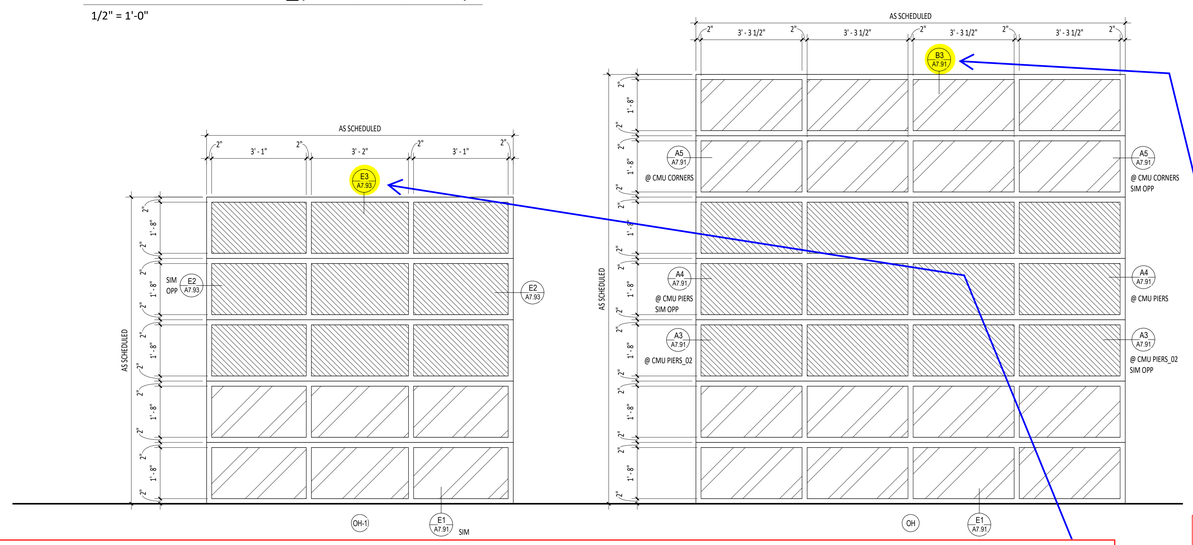
Response:

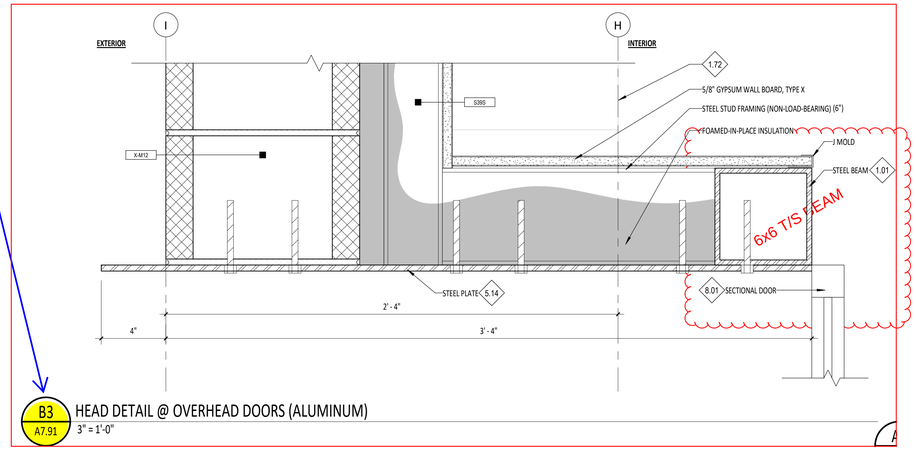
Paste a Screenshot Below

See updated detail B3/A7.91 per Addendum 02. Detail D1/A4.11 are at the CMU piers in between the apparatus bay doors.
Richard Carlos Pivot North Architecture

STEEL FRAME TYPES_(OH-1, OH, OH-2)

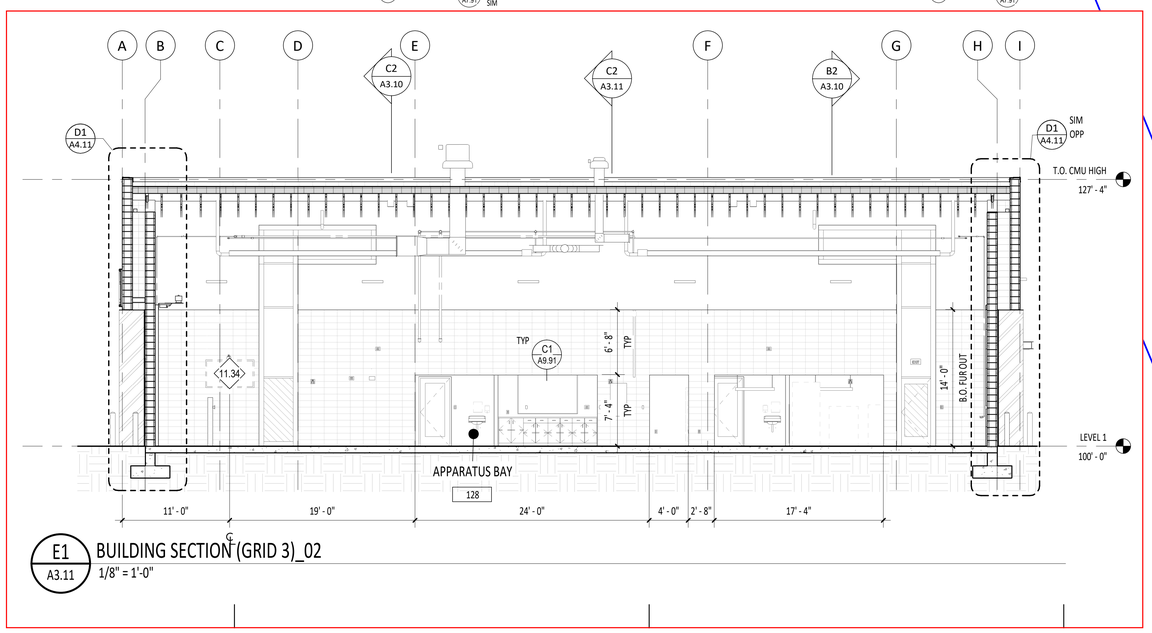
1/2" = 1'-0"





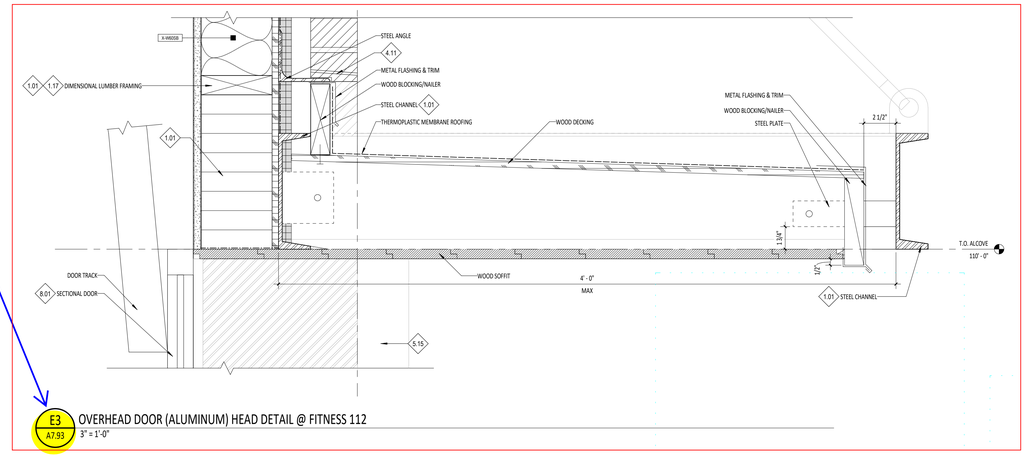
B3 / A7.91 HEAD DETAIL @ OVERHEAD DOORS (ALUMINUM)

3" = 1'-0"



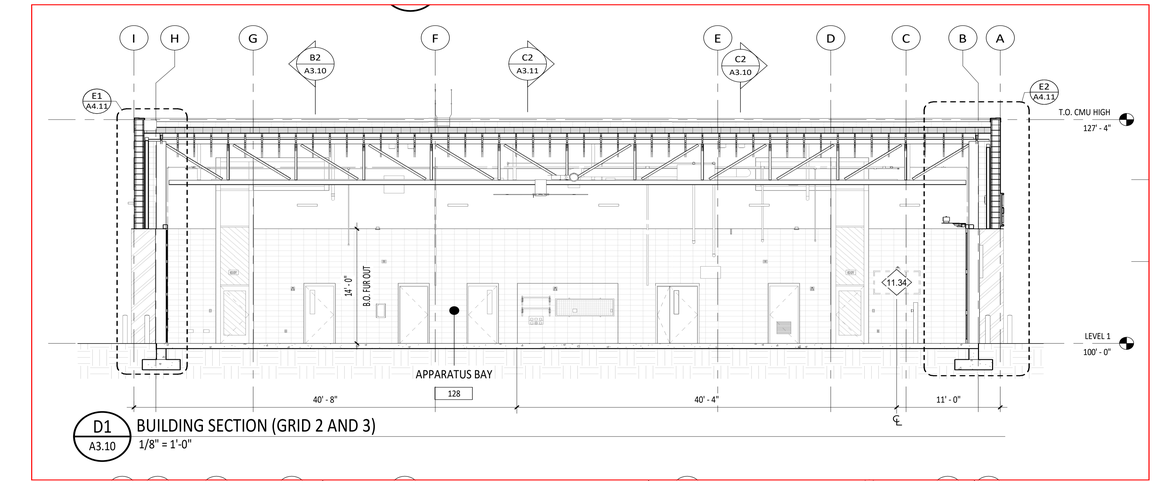
E1 / A3.11 BUILDING SECTION (GRID 3)_02

1/8" = 1'-0"



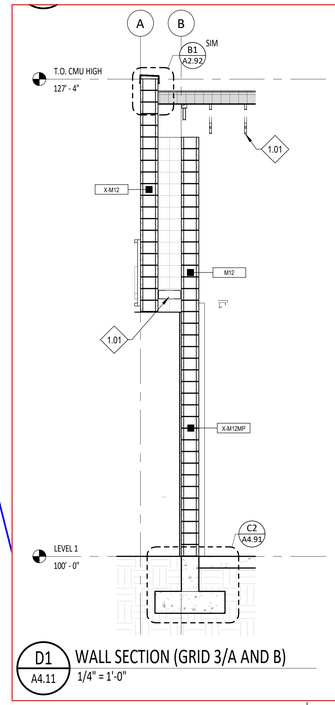
E3 / A7.93 OVERHEAD DOOR (ALUMINUM) HEAD DETAIL @ FITNESS 112

3" = 1'-0"



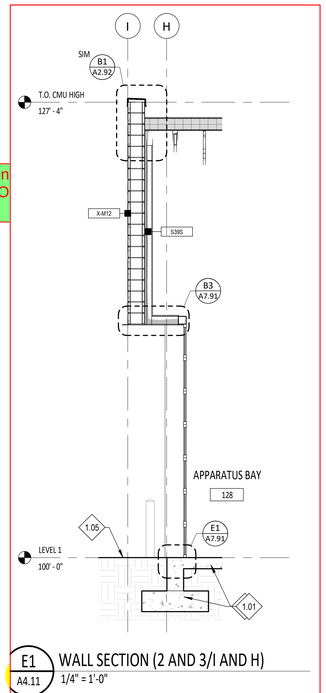
D1 / A3.10 BUILDING SECTION (GRID 2 AND 3)

1/8" = 1'-0"



D1 / A4.11 WALL SECTION (GRID 3/A AND B)

1/4" = 1'-0"



E1 / A4.11 WALL SECTION (2 AND 3/I AND H)

1/4" = 1'-0"

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ARCHITECTURE

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1101 W. GROVE STREET
BOISE, ID 83702
www.pivotnorthdesign.com

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01.17.22

RICEfergusMILLER

Project: TWIN FALLS FIRE STATION 2

214 CHENEY DRIVE, TWIN FALLS, IDAHO

Project No:	20-041
Date:	01/17/2022
Checked By:	RC, MS
Drawn By:	DS, KD

Sheet Name:

DOOR SCHEDULE & TYPES

Sheet No:

A7.01

1/18/2022 3:54:41 PM

PRE-BID RFI - 31

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/17/22
Date Response Needed: 2/21/22
Spec Sections: 042000
042200
Drawing References: A3.01,A4.91
A4.01,S4.51

Request:

Paste a Screenshot Below

REF: Spec Sections 042000 & 042200 and Sheets A3.01, A4.01, A4.91, A4.92, S4.51 & S4.52:

1). A3.01 / Reference Note 4.03 refers to Detail B3 / A4.91. This detail does not exist on this page. Please provide correct Detail & Page Number?

2). Looked for Masonry control joints on D4&D5 / A4.01; D1&E1 / A4.92; 3 / S4.51 - Notes 1&2; 5 / S4.52. Specs 042000 & 042200 describe control joints, but don't provide any location information. Refer to Page 2 of this RFI for Spec excerpts.

Response:

Paste a Screenshot Below

1.) See updated sheets per Addendum 02. Reference Note 4.03 refers to Detail B3 and D3 on Sheet A4.92.

2.) See updated elevations per Addendum 02. Elevation E1 is the only wall that needs joints. Other CMU walls are so heavily reinforced that we meet the minimum reinforcement requirement (NCMA tek 10-3) to control cracks without control joints.

Richard Carlos Pivot North Architecture

Request for Information (R.F.I.)

Additional Notes or Screen Shots

04 20 00 – 7; E. Expansion Joint Materials:
1. Backer rod and sealant adequate to accommodate joint compression equal to 50 percent of the width of the joint with backer rod of compressible type suitable to prevent three-sided adhesion. See Section 07 90 05 - Joint Sealers.
2. Expansion Joint Material compression up to 50 percent; manufactured of closed cell neoprene conforming to ASTM D1056, RE41:
   a. Adhesive on one side and 1/4 inch thick at Horizontal Joints.
   b. No adhesive and 3/8 inches thick at Vertical Joints.

04 20 00 – 10; M. Expansion joints:
1. Provide joints subject to movement (seismic, thermal, shrinkage, etc.) as indicated.
2. Provide continuous vertical joints where designed for movement, including through bond beams.
3. In single wythe exterior masonry walls, provide open control joints with backer rod and sealant. Install sealant per Section 07 90 05 - Joint Sealers.
4. Rake exposed interior control joints to a depth of 1/4 inch.
5. Cut concealed control joints flush.

04 22 00 – 11; 3.6 CONTROL AND EXPANSION JOINTS:
A. General: Install control- and expansion-joint materials in unit masonry as masonry progresses. Do not allow materials to span control and expansion joints without provision to allow for in-plane wall or partition movement.
B. Form control joints in concrete masonry as indicated on Drawings:

PRE-BID RFI - 32

To Company: PIVOT NORTH ARCHITECTURE
Name: RICHARD CARLOS
CC: Pivot North Architecture - Deona Swager
Rice Fergus Miller - Mike Schubert

From Company: STARR CORPORATION
Name: JEFF RUSSELL
Phone: (208) 420-7703
Email: jeff@starrcorporation.com

Date Submitted: 2/1/22
Date Response Needed: 2/21/22
Spec Sections: N/A
Drawing References: A8.92

Request:

Paste a Screenshot Below

REF: Sheet A8.92; Details D4 & E4:

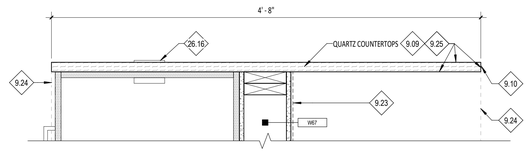
These (2) details call out for a stainless steel grate with steel angles. The Reference Note states the grates & angles to receive a high-performance finish coat.
"A8.92; Reference Note: 5.24 FINISH WITH HIGH PROFORMANCE INDUSTRIAL PRIMER AND FINISH COATS".

Q-1: If the grates & angles are to be painted, does the grate need to be stainless steel?

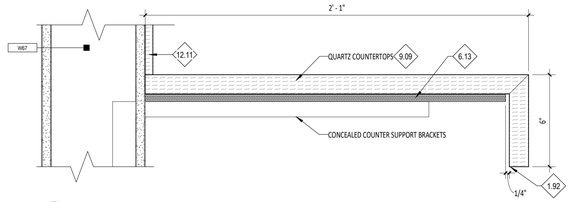
Response:

Paste a Screenshot Below

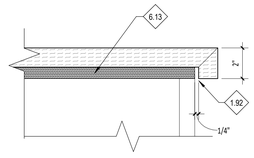
See updated sheet A8.92 per Addendum 02. Both grate and angles to be stainless steel. No finish coat required.
Richard Carlos Pivot North Architecture



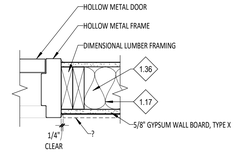
A1 A8.92 WATERFALL COUNTERTOP @ EDGE (PLAN SECTION)
1 1/2" = 1'-0"



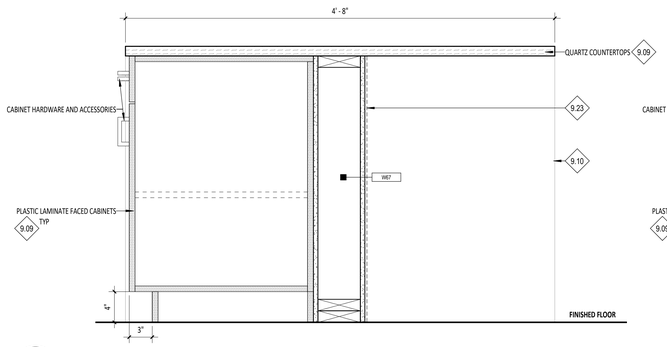
A3 A8.92 TYP ADA COUNTER DETAIL
3" = 1'-0"



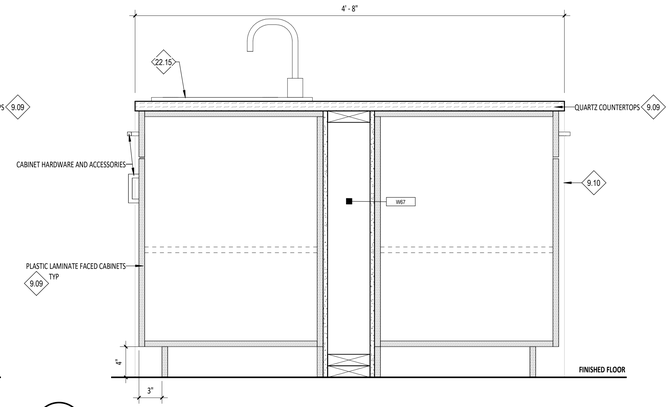
A5 A8.92 TYP COUNTER EDGE DETAIL
3" = 1'-0"



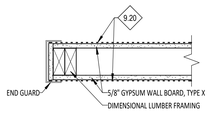
A6 A8.92 TYP WALL PROTECTION AT DOOR FRAME
1 1/2" = 1'-0"



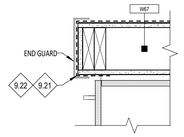
B1 A8.92 KITCHEN/DINING 108 - ISLAND CASEWORK_02
1 1/2" = 1'-0"



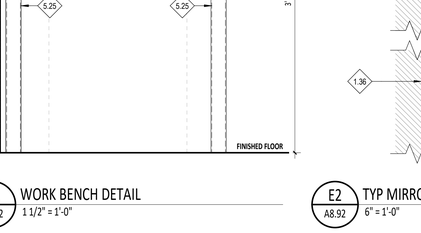
B3 A8.92 KITCHEN/DINING 108 - ISLAND CASEWORK
1 1/2" = 1'-0"



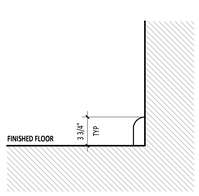
B5 A8.92 TYP END WALL PROTECTION
1 1/2" = 1'-0"



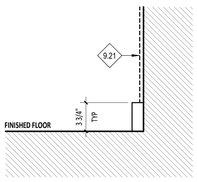
B6 A8.92 END GUARD DETAIL @ LOCKER
1 1/2" = 1'-0"



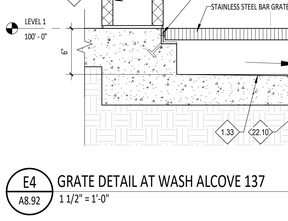
C1 A8.92 MICROWAVE SHELF DETAIL (SECTION)
1 1/2" = 1'-0"



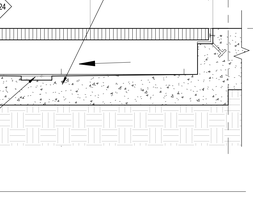
C2 A8.92 CT-1 BULLNOSE BASE DETAIL
1 1/2" = 1'-0"



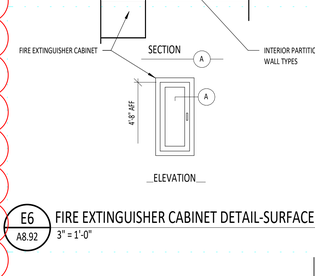
D2 A8.92 CT-2 SQUARED BASE DETAIL
1 1/2" = 1'-0"



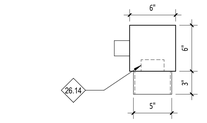
C4 A8.92 CORNER GUARD DETAIL
3" = 1'-0"

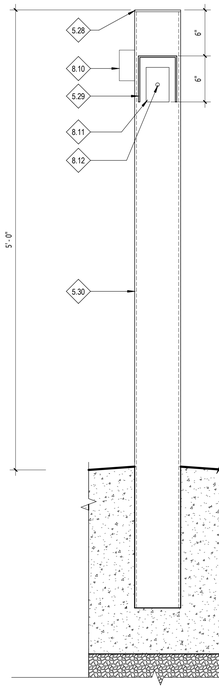


C5 A8.92 APRON DETAIL @ ADA RESTROOM
3" = 1'-0"



C6 A8.92 TYPICAL ALCOVE TERMINATION
1 1/2" = 1'-0"

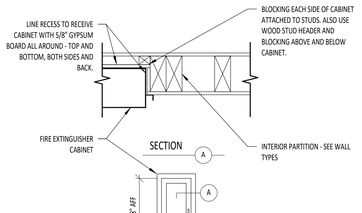




D3 A8.92 TYP PEDESTAL W/ DOOR OPERATOR DETAIL
1 1/2" = 1'-0"

D4 A8.92 GRATE DETAIL AT JANITORIAL 126
1 1/2" = 1'-0"

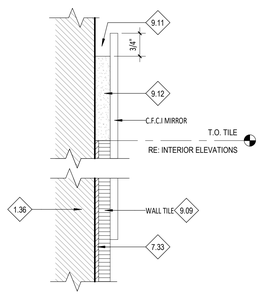
E4 A8.92 GRATE DETAIL AT WASH ALCOVE 137
1 1/2" = 1'-0"



D6 A8.92 FIRE EXTINGUISHER CABINET DETAIL- SEMI RECESSED
3" = 1'-0"

E6 A8.92 FIRE EXTINGUISHER CABINET DETAIL-SURFACE MOUNTED
3" = 1'-0"

E1 A8.92 WORK BENCH DETAIL
1 1/2" = 1'-0"



E2 A8.92 TYP MIRROR MOUNT DETAIL (SECTION) @ TILE
6" = 1'-0"

E3 A8.92 TYP PEDESTAL W/ DOOR OPERATOR DETAIL
1 1/2" = 1'-0"

NOTES - REFERENCE NOTES

	1.01	COORDINATE WITH STRUCTURAL DRAWINGS.
	1.17	WHERE OCCURS.
	1.33	SLOPE TO DRAIN. SLOPE 1/8" PER 1'-0".
	1.36	RE: FLOOR PLANS, WALL TYPES, AND/OR WALL SECTIONS.
	1.64	INTERIOR PARTITION. SEE WALL TYPES.
	1.65	FASTENER PER MANUFACTURER'S RECOMMENDATIONS
	1.66	CONTINUOUS PLASTIC RETAINER.
	1.92	1/4" MIN GAP BETWEEN SUBTOP AND COUNTER TOP
	3.09	CONCRETE FOOTING W/ SMOOTH FINISH. SLOPE TOP TO ENSURE POSITIVE DRAINAGE.
	4.01	1" CHAMFER
	4.08	END BLOCK SHOULD BE A FULL BLOCK SIZE. RE: BUILDING SECTIONS FOR BLOCK COURSING.
◆	5.24	FINISH WITH HIGH PROFORMANCE INDUSTRIAL PRIMER AND FINISH COATS.
	5.25	2" X 2" TUBE STEEL POSTS
	5.26	2" X 2" TUBE STEEL
	5.27	1/2" STAINLESS STEEL WORKBENCH TOP. WELD TO TUBE STEEL FRAME. GRIND SMOOTH ALL EXPOSED EDGES.
	5.28	STEEL PLATE, SAND EDGES
	5.29	3-SIDED PROTECTION. 3/16" BENT STEEL PLATE W/ 1/4" FILLET WELD. GRIND SMOOTH ALL EXPOSED EDGES.
	5.30	HSS 6" X 6" X 1/4" COLUMN. PAINT TO MATCH FOUR FOLD DOORS.
	6.12	COUNTERSUNK SDS SCREW.
	6.13	3/4" PLYWOOD SUBTOP
	7.33	ADHESIVE.
	8.10	DOOR OPERATOR BUTTONS
	8.11	BLANK COVER PLATE
	8.12	MICRO-CELL PHOTO EYE
	9.07	DASH LINE INDICATES FRP-1, PROVIDE SEALANT AT FRP TO FLOOR INTERSECTION U.N.O. RE: FINISH SCHEDULE AND PLAN.
	9.09	RE: FINISH SCHEDULES A8.01.
	9.10	QUARTZ COUNTERTOP TO WATERFALL TO FINISH FLOOR.
	9.11	REVEAL AT TOP AND SIDES OF MIRROR.
	9.12	TEMPERED HARDBOARD TO MATCH THICKNESS OF WALL TILE. PAINT TO MATCH WALL.
	9.20	DASH LINE INDICATES FRP-1, PROVIDE SEALANT AT FRP TO FLOOR INTERSECTION U.N.O. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
	9.21	DASH LINE INDICATES PL-1. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
	9.22	WRAP PL-1 AROUND CORNER PAST LOCKERS.
	9.23	DASH LINE INDICATES PL-2. RE: FINISH SCHEDULE AND FINISH FLOOR PLAN.
	9.24	QUARTZ COUNTER ABOVE.
	9.25	QUARTZ COUNTERTOP AND WATERFALL EDGE FINISHED AT ALL EXPOSED SURFACES.
	9.26	PLASTIC LAMINATE CLOSURE PANEL TO CEILING. ALIGN WITH FACE OF ADJACENT CABINETS. RE: SHEET A8.01 FINISH SCHEDULES.
	11.02	KITCHEN HOOD. COORDINATE WITH MECHANICAL DRAWINGS.
	11.21	O.F.O.I. TOOL CHEST
	12.11	QUARTZ COUNTER TO BE BACKSPLASH. RE: INTERIOR ELEVATIONS FOR HEIGHT AND LOCATION.
	22.10	FLOOR DRAIN. COORDINATE WITH PLUMBING DRAWINGS.
	22.15	KITCHEN SINK. COORDINATE WITH PLUMBING DRAWINGS.
	26.12	LIGHT FIXTURE. COORDINATE WITH ELECTRICAL DRAWINGS.
	26.14	SINGLE GANG JUNCTION BOX. RE: ELECTRICAL DRAWINGS.
	26.16	OUTLET LOCATION. COORDINATE WITH ELECTRICAL DRAWINGS.

GENERAL NOTES - INTERIOR ELEVATIONS

1. RE: ROOM FINISH SCHEDULE AND FINISH FLOOR PLANS FOR MATERIAL AND FINISH INFORMATION.
2. RE: BUILDING INFORMATION SHEETS FOR CODE AND FIRE INFORMATION.
3. RE: FLOOR PLANS AND DOOR SCHEDULE FOR DOOR AND FRAME TYPES.
4. RE: DIVISION 10, SECTION "VISUAL DISPLAY UNITS" FOR SIZES OF MARKER BOARDS AND TACK BOARDS.
5. PROVIDE RWB AT ALL TOE SPACES OF ALL CABINETS, SIDES OF CABINETS AND ALL KNEE SPACES BELOW CABINETS. RE: DIVISION 9, SECTION "RESILIENT BASE AND ACCESSORIES".
6. ALL EXPOSED INTERIOR END BLOCKS SHALL BE 1/2" CHAMFER.
7. PROVIDE BLOCKING FOR ALL WALL-MOUNTED ACCESSORIES AND EQUIPMENT.
8. RE: SHEET G0.03 FOR TOILET ACCESSORY HEIGHTS AND CLEARANCES.
9. AT WARDROBE CASEWORK REFER TO EACH LOCATION TO VERIFY ORIENTATION AND LOCATIONS OF DOORS.
10. COORDINATE NOTES WITH G0.02 FOR MASTER KEYNOTE LIST.

pivot north ARCHITECTURE

PIVOT NORTH ARCHITECTURE, PLLC.
1101 W. GROVE STREET
BOISE, ID 83702
www.pivotnorthdesign.com

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Project: TWIN FALLS FIRE STATION 2
214 CHENEY DRIVE, TWIN FALLS, IDAHO

Revisions:

2	ADDENDUM 01	02/14/22

Project No:	20-041
Date:	01/18/2022
Checked By:	RC, MS
Drawn By:	DS, KD

Sheet Name:

INTERIOR DETAILS

100% BID SET

ADDENDUM-01 2.14.22

Sheet No:

A8.92

2/14/2022 3:55:14 PM

Advancement of Construction Technology

SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: Twin Falls Station 2

Substitution Request Number:

From: Matt Stenshoel (GAF)

To:

Date: 2/15/22

A/E Project Number:

Re: Roofing Substitution Request

Contract For:

Specification Title: Thermoplastic Membrane Roofing Description: Sure-Flex 80 Mil KEE - Carlisle

Section: 07-54-00 Page: 3 Article/Paragraph: 2.3A

Proposed Substitution: GAF Everguard 80 Mil PVC XK

Manufacturer: GAF Address: 1 Campius Dr. Parsippany, NJ Phone: 208-519-1878

Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Matt Stenshoel

Signed by: Matt Stenshoel

Firm: GAF - Idaho Territory Manager

Address:

Telephone: 208-519-1878

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Reuben P. Cook Date: 2/21/2022

Supporting Data Attached: [ ] Drawings [X] Product Data [ ] Samples [ ] Tests [ ] Reports [ ]

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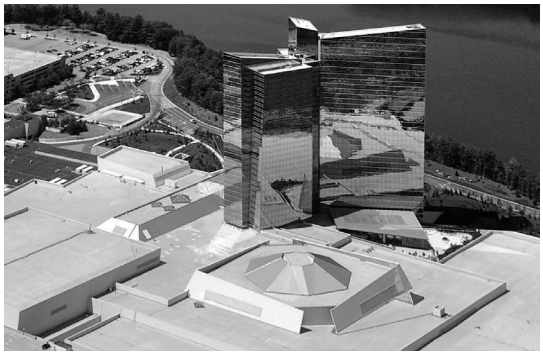
EverGuard® PVC (XK Smooth)

SINGLE-PLY ROOFING SYSTEMS



Why PVC

- Heat-welded seams
- White reflective color
- Tear/puncture resistance
- Increased chemical resistance
- Excellent flexibility
- UV and ozone resistance

Why GAF EverGuard® PVC

- GAF has 129 years of experience in the roofing industry
- EverGuard® PVC has over 20 years of experience in the field
- Guarantees are available up to 20 years when using EverGuard® PVC 80 mil XK Smooth Membrane*
- Heat-welded seams for greater reliability
- Easy, three-step installation to reduce the chance of application errors
- High reflectivity for greater energy savings
- Simple repair to reduce your ongoing maintenance costs
- The addition of KEE to replace plasticizers for better weathering characteristics

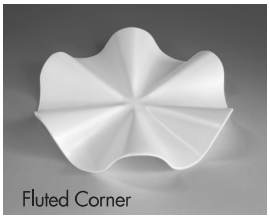
Installation

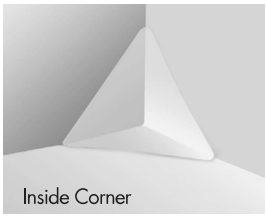
EverGuard® PVC 80 mil XK Smooth Membrane is suitable for all types of single-ply systems:

- Mechanically Attached Application… for a quick and cost-effective system that can be installed practically year-round.
- RhinoBond® Application… achieves the look and performance of a fully adhered roof at nearly the cost of a mechanically attached system. Qualifies for the same guarantee length as an adhered system.*
- Adhered Application… installed with EverGuard® 2331 Bonding Adhesive (solvent based), which results in a smooth appearance and is low VOC compliant. Provides excellent wind uplift performance and qualifies for the longest guarantee available.*

Accessories

Field fabrication of PVC accessories is time-consuming, costly, and inconsistent, and can lead to unreliable details that compromise a watertight roofing system. EverGuard® PVC prefabricated accessories deliver consistent quality and eliminate the worry and problems often associated with field fabrication. They can also boost productivity up to 200%,** while reducing installed cost by up to 12%.


Fluted Corner


Inside Corner


T-Joint Cover Patch


Vent Boot

*See applicable guarantee for complete coverage and restrictions.
**Based on GAF estimate to field-fabricate flashing details.

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ENERGY STAR® only valid in the USA

California Title 24 Compliant

FM APPROVED

CLASSIFIED UL US

MIAMI-DADE COUNTY APPROVED

PVC membranes meet the performance requirements of ICC ER-6030

EverGuard® PVC 80 mil XK Smooth Membrane

Applicable Standards

UL Listed, FM Approved, ASTM D4434, Title 24 Compliant, Miami-Dade County Product Control Approved, Florida Building Code Approved, and ENERGY STAR® Certified.*

Physical Properties	Test Method	ASTM Minimum	EverGuard® PVC 80 mil XK Smooth Membrane Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance.			
Scrim	Polyester - Designed for mechanically attached or fully adhered roofing		
Thickness	ASTM D751	0.046" (1.14 mm)	0.080" (2.03 mm)
Thickness over Scrim	ASTM D751	0.016" (0.40 mm)	0.032" (0.812 mm)
Tensile Strength	ASTM D4434	200 lbf (298 kg/m) (MD & CMD)	255 lbf (380 kg/m) (MD) & 265 lbf (395 kg/m) (CMD)
Tear Strength	ASTM D4434	45 lbf (67 kg/m) (MD & CMD)	50 lbf (75 kg/m) (MD & CMD)
Elongation at Break	ASTM D4434	15% (MD & CMD)	30% (MD & CMD)
Breaking Strength after Heat Aging	ASTM D3045	90%	90%
Elongation at Break after Heat Aging	ASTM D3045	90%	90%
Low Temperature Bend	ASTM D2136	–40°C	Pass
Change in Weight after Water Immersion	ASTM D570	±3%	±3%
Seam Strength	ASTM D751	75% (Percentage of tensile or breaking strength)	75% (Percentage of tensile or breaking strength)
Dimensional Stability	ASTM D1204	≤0.50%	≤1%
Static Puncture Resistance	ASTM D5602	Pass	Pass
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass
Accelerated Weathering	ASTM G151 & G155	Pass	No surface cracking or crazing, negligible discoloration
Solar Reflectivity	ASTM C1549	No specific minimum listed per ASTM or specification	0.87 (initial white)/0.76 (aged white)
Emissivity	ASTM E903	No specific minimum listed per ASTM or specification	0.87 (initial white)/0.84 (aged white)
Solar Reflective Index (SRI)	ASTM E903	No specific minimum listed per ASTM or specification	110 (initial white)/93 (aged white)
Guarantee			
20 Years (Mechanically Attached & Fully Adhered)			

*ENERGY STAR® only valid in the U.S.

Product Data

Roll Size	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	Colors	**Full Sheet**	**Full-Roll Weight**	**Half Sheet**	**Half-Roll Weight**
	White, Tan, and Gray	120" x 80' (3.05 m x 24.4 m)	440 lb. (200 kg)	60" x 80' (1.52 m x 24.4 m)	178 lb. (81 kg)
	Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.				
Storage	Store rolls on their sides on pallets or shelving in a dry area.				
Safety Warning	Membrane rolls are heavy. Position and install by at least two people.				

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SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: **TWIN FALLS FIRE STATION 2**
To: **PIVOT NORTH ARCHITECTURE**
Re: **MAKE-UP AIR UNIT**
Substitution Request Number: **SR-10**
From: **STARR CORPORATION**
Date: **2/15/22**
A/E Project Number: **20-041**
Contract For: **N/A**

Specification Title: **N/A**
Description: **Make-Up Air Unit**
Section: **N/A**
Page: **Refer to Sheet M0.02 for MAU Schedule**
Article/Paragraph: **N/A**

Proposed Substitution: **MAU-1**
Manufacturer: **CaptiveAire**
Address: **4641 Paragon Park Rd, Raleigh, NC**
Phone: **208-615-7707**
Trade Name: **N/A**
Model No.: **A2-IBT-400-20D**

Attached data includes product description, specifications, drawings, phtographs and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: **Zach Merrill zach.merrill@captiveaire.com 208-615-7707**
Signed by: ZACH MERRILL
Firm: **CAPTIVEAIRE**
Address: **Boise, Idaho**
Telephone: **208-615-7707**

A/E's REVIEW AND ACTION

[X] Substitution approved - Make submittals in accordance with Specification Section 012501.
[ ] Substitution approved as noted - Make submittals in accordance with Specification Section 012501.
[ ] Substitution rejected - Use specified materials.
[ ] Substitution Request received too late - Use specified materials.

Signed by: Jeff Jesse Cator, Ruma and Associates
Date: 02/28/22

Supporting Data Attached: Drawings XQ Product Data Q Samples Q Tests

Supporting Data Attached:
[X] Drawings:
[X] Product Data:
[ ] Samples:
[ ] Tests:
[ ] Reports:

99 Canal Center Plaza, Suite 300 Alexandria, VA 22314 CSI Form 1.SC

FOR QUESTIONS, CALL THE
Idaho Mechanical
REGION 112
PHONE: (888) 388-0344
EMAIL: reg112@captiveaire.com

MUA FAN INFORMATION – JOB#5327690

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
1	MAU-1	1	A2-IBT-400-20D	20MF-2-MOD	A2-IBT-400	2500	3700	0.750	1503	ODP,PREMIUM	3.000	1.9110	3	208	9.5	23.8A	40A	1242	14.6

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
1	MAU-1	309255	247404	64°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	80

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	MAU-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-I HOUSING - MEETS AMCA CLASS 1A RATING
		1	SPECIAL ORIFICES FOR IF HEATERS ABOVE 2,000'
		1	SHAFT GROUNDING RING - EPOXY MOUNTED TO FACE OF MOTOR
		1	IBT SIZE 1 & 2 SIDE DISCHARGE
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	SINGLE POINT ELECTRICAL CONNECTION SINGLE MODULE. IF A NON-DCV PREWIRE IS USED ON THE IBT HEATER, THE #28, #47, "NS", "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	VFD FACTORY MOUNTED AND WIRED IN IBT COMMERCIAL CONTROL VESTIBULE
		1	LOAD REACTOR MOUNTED IN FAN
		1	LINE REACTOR MOUNTED IN FAN
		1	2 YEAR ENTIRE UNIT PARTS WARRANTY, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY

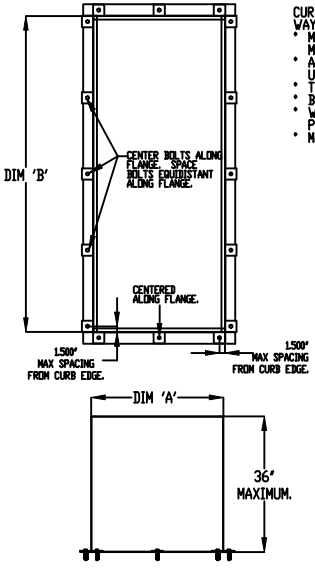
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	MAU-1				YES		YES	

CURB ASSEMBLIES

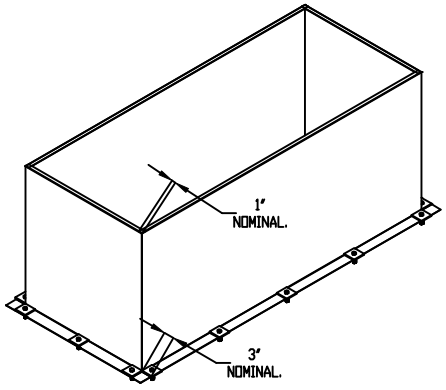
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	MAU-1	171 LBS	CURB	31.000"W X 79.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED 16 GAUGE.
	# 1			RAIL	6.000"W X 31.000"L X 20.000"H RIGHT.

SEISMIC SUPPLY CURB

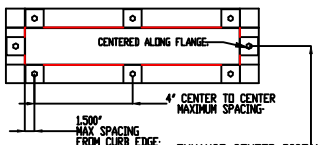


CURBS ARE BUILT IN THE FOLLOWING WAY:
- METAL IS .060" ALUMINIZED SHEET METAL.
- ALL SEAMS ARE WELDED WITH MIG USING ER70S-6 WIRE.
- TOP FLANGE IS 1.00" WIDE.
- BOTTOM FLANGE IS 3.00" WIDE.
- WIDTHS AND LENGTHS VARY BY PRODUCT INSTALLED.
- MAX CURB PITCH IS 5" ON 12".

CURB DIMENSIONS		
UNIT TYPE	DIM 'A'	DIM 'B'
SUPPLY	19.5-52.75"	19.5-52.75"



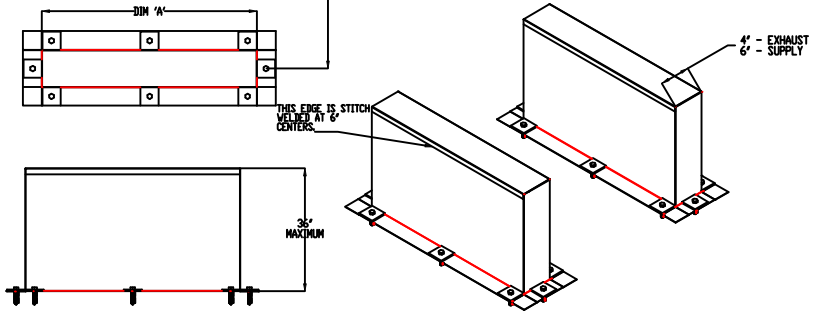
SEISMIC SUPPORT RAILS



FAN SUPPORT RAILS ARE BUILT IN THE FOLLOWING WAY:
- METAL IS .060" ALUMINIZED SHEET METAL.
- ALL SEAMS ARE WELDED WITH MIG USING ER70S-6 WIRE.
- TOP IS CAPPED.
- BOTTOM FLANGE IS 3.00" WIDE.
- LENGTHS VARY BY PRODUCT INSTALLED.
- MAX CURB PITCH IS 5" ON 12".

RAIL DIMENSIONS	
UNIT TYPE	DIM 'A'
RAILS	21"-69"

EXHAUST CENTER DISTANCE: 12" MIN, 50" MAX
SUPPLY CENTER DISTANCE: 12" MIN, 85" MAX

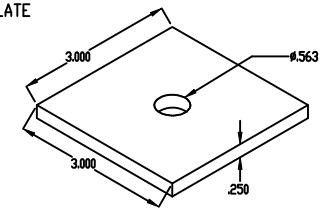


SEISMIC HARDWARE

ROOFTOP CURB ATTACHMENT PLATE

STEEL SUPPORT BLOCK, 3" X 3" BY .250" THICK STEEL PLATE AND GALVANIZED FOR WEATHER RESISTANCE.

PART NUMBER FOR THE PLATE IS 91133A140 (MACOLA# A0017326).

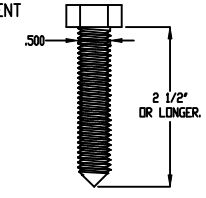


LAG BOLT FOR ROOFTOP CURB ATTACHMENT

STEEL LAG BOLT, .500" DIAMETER, 1 1/2" OF BOLT MUST BE INSTALLED INTO THE WOODEN SUPPORT STRUCTURE.

LAG BOLT MUST NOT BE INSTALLED IN THE END GRAIN.

PART NUMBER FOR THE BOLT IS 91478A722 (MACOLA# A0017980).



CAPTIVEAIRE

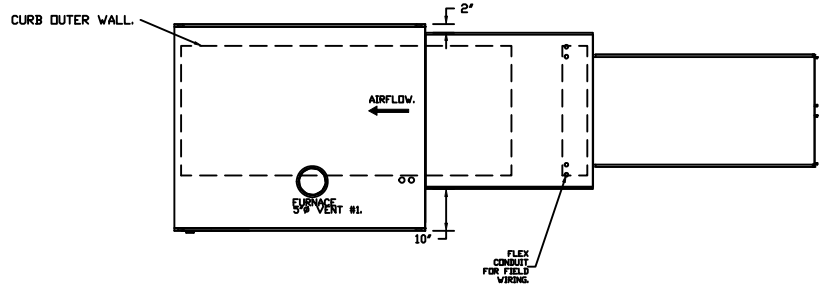
JOB Twin Falls Fire Station 2 MAU	
LOCATION TWIN FALLS, ID, 83301	
DATE 2/15/2022	JOB # 5327690
DWG # 1	DRAWN BY ZKM
REV.	SCALE 3/8" = 1'-0"

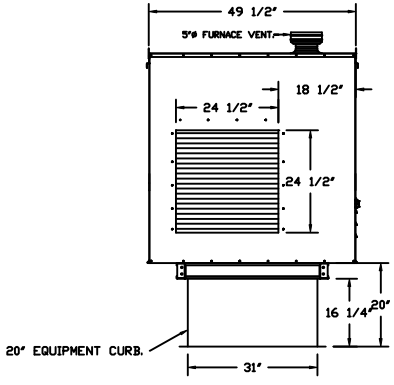
FAN #1 A2-IBT-400-20D - HEATER (MAU-1)
1. INDIRECT BENT TUBE GAS FIRED HEATER WITH 20" MIXED FLOW DIRECT DRIVE FAN, 1 FURNACE, ELECTRONIC FULL MODULATION, CONSTANT 80% EFFICIENCY, AND 6:1 MAX TURNDOWN FOR NG, (5:1 MAX TURNDOWN FOR LP). STAINLESS STEEL BURNER AND HEAT EXCHANGER.
2. INTAKE HOOD WITH EZ FILTERS.
3. SIDE DISCHARGE - AIR FLOW RIGHT -> LEFT.
4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
5. GAS PRESSURE GAUGE, 0 TO +10 INCHES WC., 2.5" DIAMETER, 1/8" THREAD SIZE, REAR THREAD.
6. MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED.
7. SPECIALLY SIZED ORIFICES FOR APPLICATIONS ABOVE 2,000', NOTIFY ENGINEERING.
8. SHAFT GROUNDING RING OPTION.
9. USED WITH SIZE 1 AND SIZE 2 SIDE DISCHARGE IBT MODULES.
10. COMMERCIAL SMOKE DETECTOR INTERLOCK (DETECTOR BY OTHERS).
11. SINGLE POINT ELECTRICAL CONNECTION FOR ALL IBT HEATERS WITH 1 MODULE. QNTY 1 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE IS USED ON THE IBT HEATER, THE #28, #47, "MA", OR "E2" OPTION PREWIRE MUST BE SELECTED. DO NOT PROVIDE SUPPLY STARTER IN PREWIRE.
12. VAV (VARIABLE-AIR-VOLUME) WIRING PACKAGE FOR COMMERCIAL FANS.
MANUAL SPEED CONTROL VARIABLE FREQUENCY DRIVE INCLUDED.
13. VFD FACTORY MOUNTED AND WIRED IN UNIT CONTROL VESTIBULE.
14. MOUNT LOAD REACTOR IN FAN.
15. MOUNT LINE REACTOR IN FAN.
16. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
17. 2 YEAR ENTIRE UNIT PARTS WARRANTY, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY
IBT - US PATENT 877119 B2.

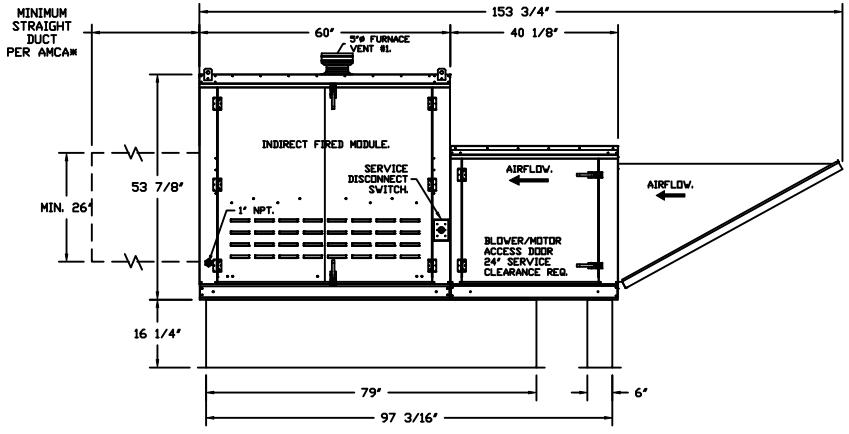
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 26" x 26".

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 7°F. TEMP. RISE = 64°F.
BTUs CALCULATED OFF ACTUAL AIR DENSITY
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. = 289846.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 362307.
OUTPUT BTUs AT ALTITUDE OF 4316 FT. = 247404.
INPUT BTUs AT ALTITUDe OF 4316 FT. = 309255.





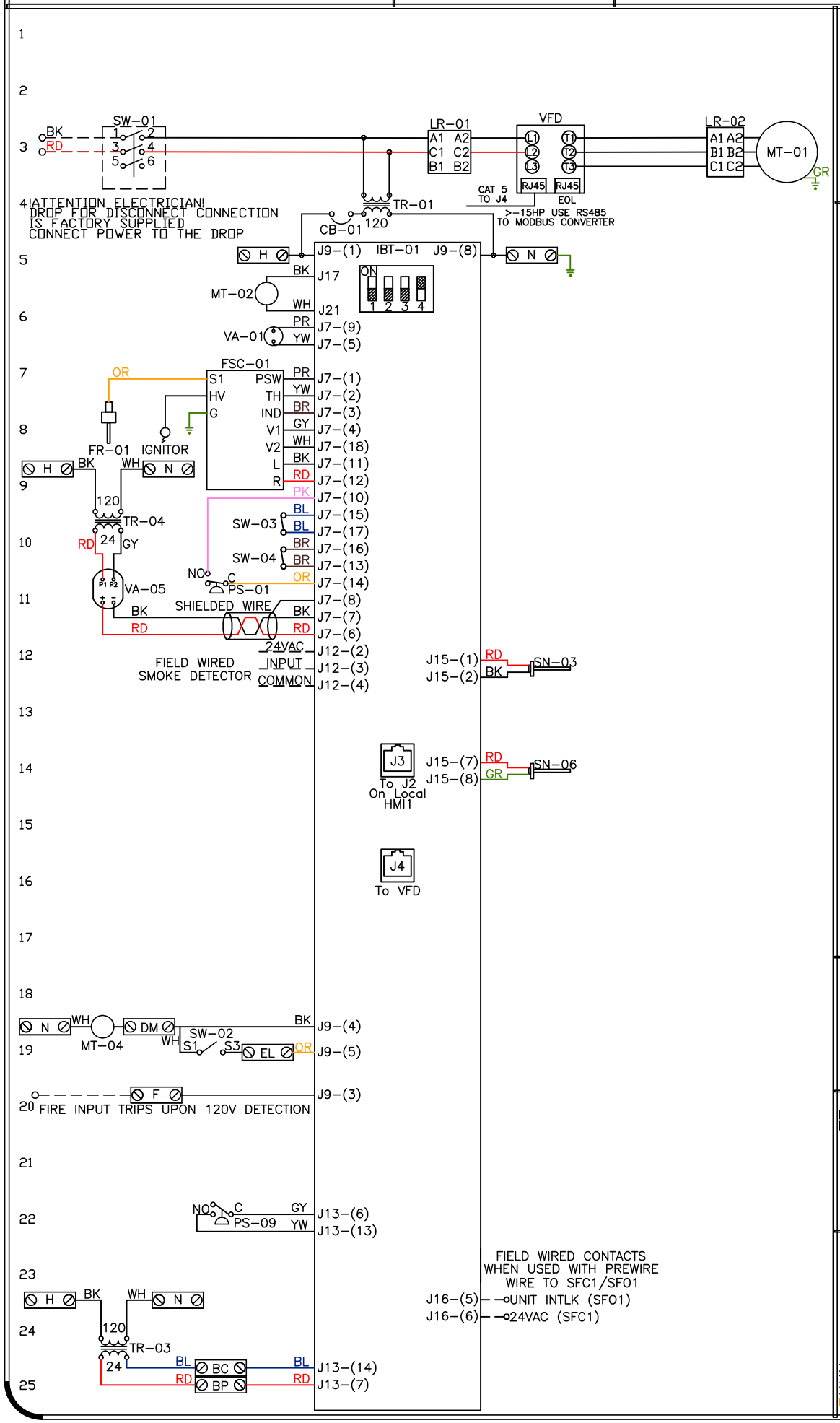


JOB Twin Falls Fire Station 2 MAU	
LOCATION TWIN FALLS, ID, 83301	
DATE 2/15/2022	*JOB #* 5327690
DWG # 2	*DRAWN BY* ZKM
REV.	*SCALE* 1/4" = 1'-0"

Ind Fired Bent Tube Htr Wiring

JOB 5327690 - Twin Falls Fire Station 2 MAU

DRAWING NUMBER IBT5327690-1 | SHIP DATE 2/15/2022 | MODEL **A2-IBT-400-20D**



Installed Options

Single Point Connection

Component Identification

Label	Description	Location
CB-01	10A Circuit Breaker	[4]
FR-01	Flame Rod 1	[8]
FSC-01	Flame Safety Controller 1	[8]
LR-XX	Line/Load Reactor	[3]
MT-01	Supply motor	[2]
MT-02	Power Vent 1	[5]
MT-04	Motorized Damper Motor	[19]
PS-01	Vent Proving 1	[11]
PS-09	Airflow Proving Switch	[22]
SD-01	Smoke Detector	[12]
SN-03	Intake Temperature Sensor	[12]
SN-06	Discharge Temperature Sensor	[14]
SW-01	Main Disconnect Switch	[3]
SW-02	Damper End Limit Switch	[19]
SW-03	Roll Out Switch 1	[9]
SW-04	High Temp Switch 1	[10]
TR-01	Main Transformer 750VA	[4]
TR-03	Board Power Transformer 40VA	[24]
TR-04	Mod Valve 1 Transformer	[9]
VA-01	Main Gas Valve 1	[6]
VA-05	Modulating Gas Valve 1	[10]

MOTOR INFO

SUPPLY 3HP-208V-3P-9.5FLA
VFD PART: ESV222N02YXB571
REACTOR PART: RM0018P80

ELECTRICAL INFORMATION

MOTOR/CTRL CIRCUIT MCA: 23.8A
MOTOR/CTRL CIRCUIT MOP: 40A

NOTES

- - - - DENOTES FIELD WIRING
——— DENOTES INTERNAL WIRING

** TERMINALS S4 AND S6 USED ON NF & AF SERIES ACTUATORS

WIRE COLOR

BK - BLACK
BL - BLUE
BR - BROWN
OR - ORANGE
YW - YELLOW
GR - GREEN
GY - GRAY
PR - PURPLE
RD - RED
WH - WHITE
PK - PINK

SOCKET STYLE 'CLION' RELAY

NO	4	3
NC	2	1
COIL	8	7
COM	6	5

VFD Wiring	JOB 5327690 - Twin Falls Fire Station 2 MAU	
DRAWING NUMBER VFD5327690-1	SHIP DATE 2/15/2022	MODEL **A2-IBT-400-20D**

SMV 571 SERIES VARIABLE FREQUENCY DRIVE

TERMINAL	FUNCTION
1	Digital Input (Start/Stop)
11	Internal DC Supply for External Devices
2	Analog Common
30	Analog Output: Configurable with P150...P155

To J4 on IBT Board — RJ45

EOL RESISTOR — RJ45

	PE	Ground Terminal
POWER SUPPLY	L1	3 Phase Input or Single Phase Input
POWER SUPPLY	L2	3 Phase Input or Single Phase Input
POWER SUPPLY	L3 (N)	3 Phase input (Neutral for 120v)
MOTOR	U	3 Phase AC Motor
MOTOR	V	3 Phase AC Motor
MOTOR	W	3 Phase AC Motor

All external control wires to motor speed control should be 16-20 AWG shielded multiconductor cables and must not be run in the same conduit or raceway with any high power wiring. Ground Shielded Cable at the drive chasis ONLY.

PG. 11 OF THE DRIVE MANUAL DESCRIBES THE PROPER INSTALLATION PROCEDURE

PG. 19 OF THE DRIVE MANUAL DESCRIBES THE PROGRAMMING PROCEDURE OF THE DRIVE

PG. 23 OF THE DRIVE MANUAL DESCRIBES THE PARAMETER SETTINGS OF THE DRIVE

*NOTE: THE DEFAULT PASSWORD FROM THE FACTORY REQUIRED TO PROGRAM THE DRIVE IS "225".

SUPPLY DRIVE PARAMETER SETTINGS*

EPM PROGRAM: IBT 571

P100 (Start Source) = 01 (Terminal Strip)
P102 = **Minimum Frequency (Hz)
P103 = **Maximum Frequency (Hz)
P150 (TB-30 Output) = 1
P194 (Password) = 225
P410 (Modbus Address) = 21

Adjust manually on all drives
P107 - 00 (If 120 or 208 VAC)
or 01 (If 230, 480 or 575 VAC)
P108 - Motor FLA x 100 / Drive Output Rating
P165 (Base Voltage) = Set to Motor Voltage (Preset@230V) P165 FOR STANDARD DRIVE ONLY
P167 (Base Frequency) = Calculated Per Fan

IT MAY BE REQUIRED TO FULLY POWER DOWN THE DRIVE AND TURN BACK ON IN ORDER TO INITIATE NEW PARAMETER SETTINGS.

**Min. and Max. Frequency Settings override all other Preset speeds/Parameters.

GENERAL NOTES

Installed Options

Component Identification

MOTOR INFO

SUPPLY 3HP-208V-3P-9.5FLA
VFD PART: ESV222N02YXB571
REACTOR PART: RM0018P80

ELECTRICAL INFORMATION

MOTOR/CTRL CIRCUIT MCA: 23.8A
MOTOR/CTRL CIRCUIT MOP: 40A

NOTES

- - - - DENOTES FIELD WIRING
———— DENOTES INTERNAL WIRING

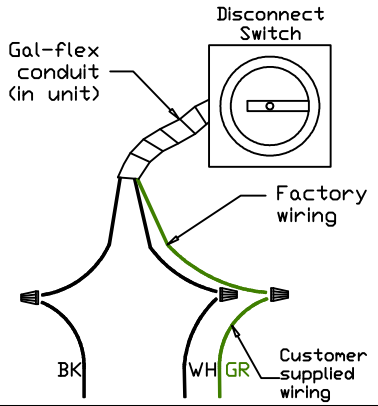
WIRE COLOR

BK - BLACK	YW - YELLOW
BL - BLUE	GR - GREEN
BR - BROWN	GY - GRAY
OR - ORANGE	PR - PURPLE
RD - RED	PK - PINK
WH - WHITE	

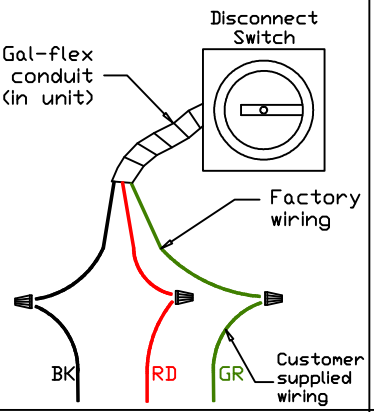
Installation Wiring

JOB 5327690 - Twin Falls Fire Station 2 MAU		
DRAWING NUMBER RP5327690-1	SHIP DATE 2/15/2022	MODEL **A2-IBT-400-20D**

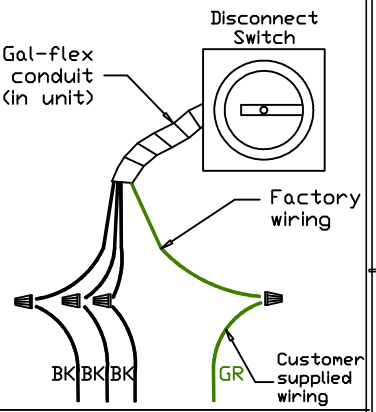
120 V 1 PH.



240 V 1 PH.

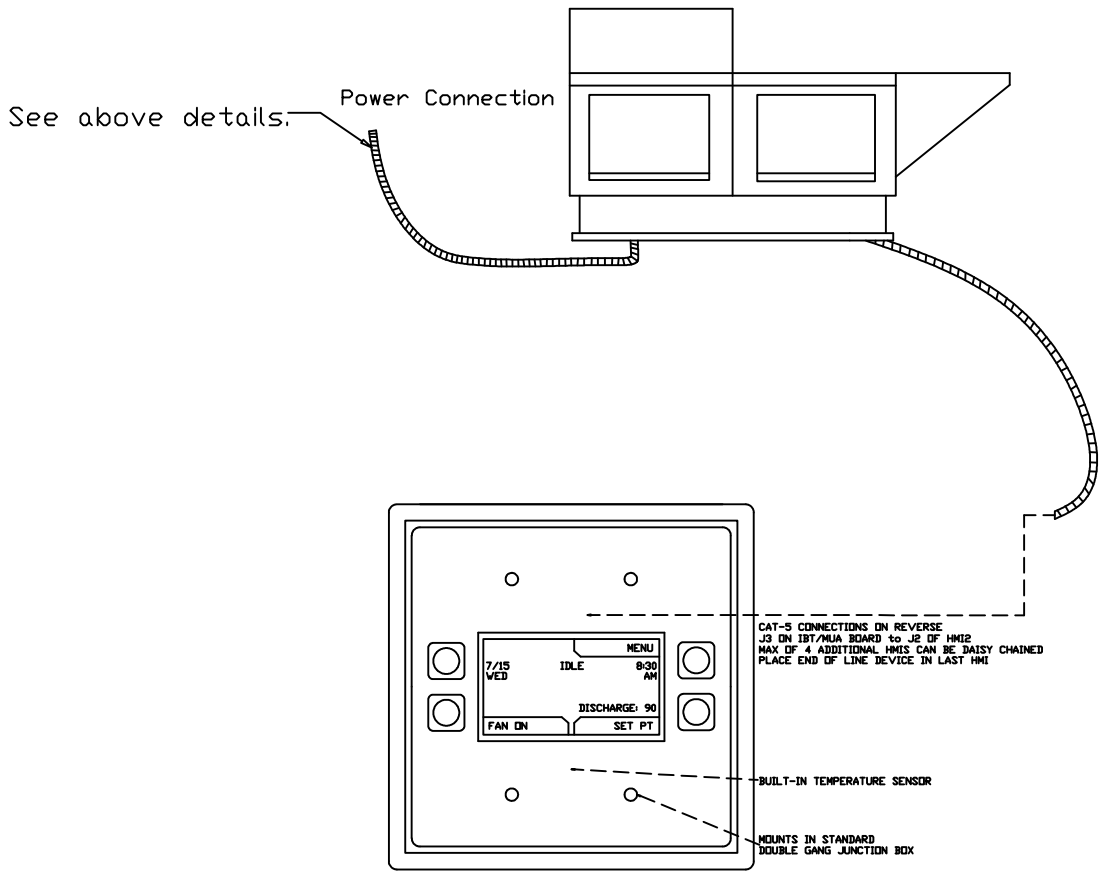


208/460/600 V 3 PH.



Installed Options

See above details.



NOTES

WIRE COLOR

BK - BLACK	YW - YELLOW
BL - BLUE	GR - GREEN
BR - BROWN	GY - GRAY
OR - ORANGE	PR - PURPLE
RD - RED	PK - PINK
WH - WHITE	

SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

JOB Twin Falls Fire Station 2 MAU	
LOCATION TWIN FALLS, ID, 83301	
DATE 2/15/2022	*JOB #* 5327690
DWG # 6	*DRAWN BY* ZKM
REV.	*SCALE* 3/8" = 1'-0"

Advancement of Construction Technology

SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: Twin Falls Fire Station #2
Twin Falls, Idaho

To: Pivot North Architecture|Rice Fergus Miller

Re:

Substitution Request Number: **SR-11**

From: Crawford Door Sales of Idaho, Inc.

Date: 2/16/2022

A/E Project Number: 20-041

Contract For:

Specification Title: Sectional Doors

Description: Basis of Design

Section: 083613 Page: 2

Article/Paragraph: 2.5.A

Proposed Substitution: Amarr

Manufacturer: Amarr Company Address: 165 Carriage Court, Winston-Salem NC 27105 Phone: 800-503-3667

Trade Name: Amarr Model No.: 2042

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Michael Beltrami
Signed by: Michael Beltrami
Firm: Crawford Door Sales of Idaho, Inc.
Address: 4951 Breadley St., Suite B
Boise, Idaho 83714
Telephone: 208-375-6410

A/E's REVIEW AND ACTION

☒ Substitution approved - Make submittals in accordance with Specification Section 01330.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Rueben P. Cook Date: 2/21/2022

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

Aluminum Full View Doors

Amarr® 3552 / Amarr® 3502

Amarr 3552 and 3502 Aluminum Full View doors are constructed of 2" thick extruded aluminum rails and stiles and can be fitted with a variety of full-view glass options, solid aluminum, perforated or louvered ventilation panels. Perfect for automotive showrooms and repair centers, service stations, car washes, fire houses, restaurants, and sports complexes; our aluminum doors create a clean style for any facility. These doors can be mounted stationary or operative as a stylish alternative for al fresco situations. The **ClearView Aluminum Strut System** provides added strength and durability to larger Amarr 3552 door sizes up to 24' 2", without restricting the viewing area.

Amarr 3552 with two Louvered Aluminum bottom sections.

CONSTRUCTION

Amarr 3552

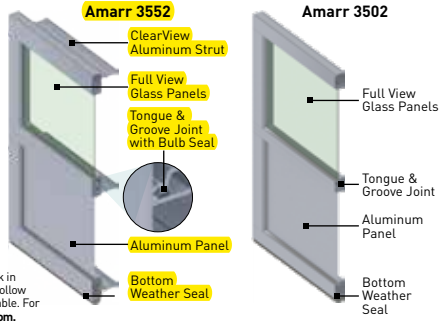
Heavy-Duty Aluminum door

- 2" thick extruded aluminum rails & stiles
- Available in 1" width increments
- Available in odd heights

Amarr 3502

Medium-Duty Aluminum door

- 2" thick extruded aluminum rails & stiles
- Available in 1" width increments



Track: All Amarr doors are available with both 2"or 3" track in Standard Lift, High Lift, Vertical Lift, Low Headroom, and Follow the Roof Pitch. Custom track configurations are also available. For drawings and more information, please visit **www.amarr.com.**
Springs: Torsion springs are oil tempered, helical wound and custom computed for each door for a minimum 10,000 cycle life. Optional springs are available up to 100,000 cycle life.
Standard Hardware: Galvanized steel hinges and track brackets. All rollers have minimum 10-ball bearings.

SPECIFICATIONS

	Heavy-Duty Amarr 3552	Medium-Duty Amarr 3502
MATERIAL	Aluminum	Aluminum
CONSTRUCTION LAYERS	Single	Single
GASKET SEAL	•	
DOOR THICKNESS	2" (5.1cm)	2" (5.1cm)
MINIMUM WIDTH	2'	2'
MAXIMUM WIDTH	24' 2"	12' 2"
SECTION HEIGHTS[1]	18", 21", 24"	21", 24"
MINIMUM HEIGHT	6'	6'
MAXIMUM HEIGHT	20' 1"	12' 1"
WIND LOAD[2] **AVAILABLE**	•	•
FINISH WARRANTY[3]	5 Year / 3 Year	5 Years
WORKMANSHIP/HARDWARE WARRANTY[3]	1 Year	1 Year

[1] For complete door height configuration chart, visit amarr.com or contact your local Amarr dealer.
[2] It is your responsibility to make sure your garage door meets local building codes.
[3] For complete warranty details, visit amarr.com or contact your local Amarr dealer.

PANEL OPTIONS

Amarr 3502 available in single Aluminum only.

ALUMINUM & INSULATED ALUMINUM

PERFORATED ALUMINUM
0.312" square perforations on ½" centers
Also available in Mill finish.

LOUVERED ALUMINUM
6 columns of (12) 3"x 3/4" vents on a 4' x 24" panel.

GLAZING OPTIONS

Amarr 3502 not available in ¼" or insulated glass.

	SINGLE PANE												INSULATED	
	Tempered				Lami-nated	Polycarbonate				Acrylic			Tempered	
	1/8"*	1/8" Low-E*	1/4"	1/4" Low-E	1/4"	Single 1/8"	Single 1/4"	Single 1/2"	Tri-Wall 5/8"	1/8"	1/4"	1/2"	1/2"*	1/2" Low-E*
CLEAR	STD	•	•	•	•	•	•	•	•	•	•	•	•	•
OBSCURE	•													
GREEN	•												•	•
BRONZE	•								•				•	•
GRAY	•												•	•
GREYLITE	•												•	•
FROST	•		•						•				•	
SNOW					•				•					
WHITEOUT					•									
BLACK ICE					•									

*Also available in Annealed glass.

COLORS

Actual color may vary from samples shown.

In Stock

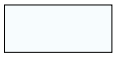
ANODIZE — Amarr 3502 available in Clear anodize only.

CLEAR (AN)

DARK BRONZE (AD)

BLACK (BA)

PAINT



WHITE Powder Coat (WH)

Special Order

ANODIZE — Longer lead time and price upcharge apply.

CHAMPAGNE (AH)

COPPER (AC)

MEDIUM BRONZE (AM)

PAINT PVDF (Kynar®) & Powder Coat — Longer lead time and price upcharge apply.

WHITE (PVDF)

BONE WHITE

IVORY

SANDSTONE

BURNT SUN

SIERRA TAN

BEIGE

LIGHT SEAWOLF BEIGE

DOVE GRAY

SLATE GRAY

CHARCOAL GRAY

PATINA GREEN

DARK IVY

HARTFORD GREEN

MILITARY BLUE

INTERSTATE BLUE

COLONIAL RED

BOYSENBERRY

SAGE BROWN

QUAKER BRONZE

SUPER BLACK

CARNIVAL RED II†

CLASSIC COPPER†

CHAMPAGNE PEARL†

PEWTER†

SILVER†

†PVDF only.

	PVDF (Kynar®)	Powder Coat
FADE RESISTANT	++	+
CORROSION RESISTANT	++	+
UV RESISTANT	++	+
ABRASION RESISTANT	+	++
STANDARD COLORS	26	21
RAL/CUSTOM COLORS PRICE UPCHARGE	$	$$
TOUCH-UP PAINT	Included	NOT included

Anodize, PVDF & standard Powder coat colors have 5 year finish warranty; RAL & Custom Powder Coat colors have 3 year finish warranty.

Entrematic
165 Carriage Court
Winston-Salem, NC 27105
800.503.DOOR
www.amarr.com

MADE IN USA

YOUR LOCAL AMARR DEALER:

Amarr Energy Efficient Polyurethane Insulated Sectional Doors

High R-Value Doors to Meet All Your Needs

Amarr polyurethane insulated products are our top-of-the-line energy efficient doors; constructed using HCFC-free polyurethane insulation to create a strong monolithic panel. Heavy-duty 14-gauge minimum galvanized steel hinges standard.

Amarr® 2743
3" SUPER-DUTY

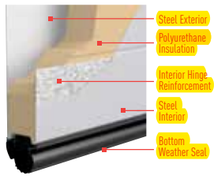
Superior Energy Efficiency
Exceptional performance for long-term value

R-Value 28.0

Amarr® 2042
2" EXTRA HEAVY-DUTY

High Energy Efficiency
Flush modern look

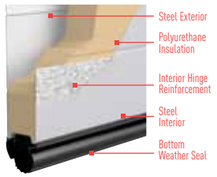
R-Value 19.4



Amarr® 2742
2" HEAVY-DUTY

High Energy Efficiency
Pencil groove design for added strength

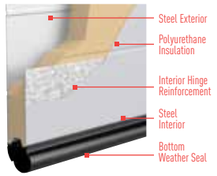
R-Value 19.4



Amarr® 2741
1-3/8" MEDIUM-DUTY

Energy efficient
Competitively priced

R-Value 14.5



Amarr® 3040
1" MEDIUM-DUTY

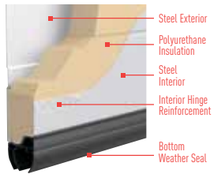
Energy efficient and economical
Ideally suited for vertical dock doors

R-Value 10.1

Amarr® 2747
1-5/8" HEAVY-DUTY

Versatile replacement section
Compatible with other manufacturer's shiplap doors

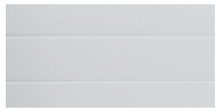
R-Value 15.1



Amarr 2042 with 3 Clear Anodize Aluminum Full View sections (custom painted by owner).

PANEL DESIGNS

AMARR 2042:
FLUSH PANEL



AMARR 2743, 2742, 2741 and 3040:
PENCIL GROOVED

AMARR 2747:
WIDE GROOVE

STEEL COLORS

Amarr steel doors are pre-painted; for custom colors, exterior latex paint must be used. Visit **amarr.com** for instructions on painting. Actual paint colors may vary from samples shown.

TRUE WHITE (TW)

SANDTONE (ST)

COMMERCIAL GRAY (CY)

COMMERCIAL BROWN (CB)

600+ factory-applied colors. Price upcharge applies.

Amarr 2042 and 3040 available in True White only.

WINDOW OPTIONS

26"x 13" DOUBLE INSULATED ACRYLIC WINDOWS with BLACK FRAME

Not available for Amarr 2743

24" x 12" TEMPERED INSULATED GLASS with BLACK or WHITE FRAME

Not available for Amarr 2747 & 3040

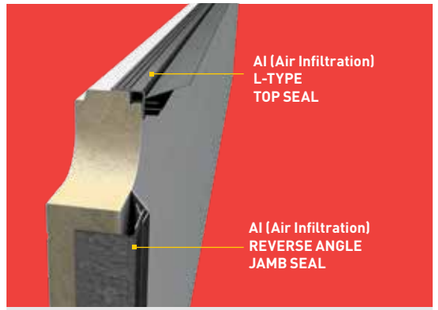
24" x 8" TEMPERED INSULATED with BLACK FRAME

Not available for Amarr 3040

24" x 6" DOUBLE INSULATED ACRYLIC WINDOWS with BLACK FRAME

Not available for Amarr 2743, 2747 & 3040

Air Infiltration Performance



- Meets Building Energy Efficiency Standards:
  ASHRAE 90.1
  IECC®
  CA Title 24
- 3rd party certification tested
- Certification available for Amarr 2743, 2042, 2742, 2741 and 3040

Both seals plus 1" of jamb overlap required to meet the above standards; Amarr 3040 additionally requires a 3" strut on top section. Other conditions may apply.

Repair Any 1-5/8" Shiplap Door

- Compatible section profile
- Similar exterior and interior groove designs
- Comparable section weights requires no spring change

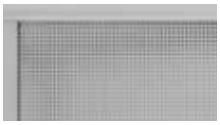
DAMAGED COMPETITIVE DOOR

REPAIRED DOOR WITH AMARR 2747 REPLACEMENT SECTION

Amarr 2042 and 2742 Options

ALUMINUM SECTION

GLAZED ALUMINUM



PERFORATED ALUMINUM†
0.312" square perforations on ½" centers

LOUVERED ALUMINUM
6 columns of (12) 3"x 3/4" vents on a 4' x 24" panel

CLEAR ANODIZE

DARK BRONZE ANODIZE

BLACK ANODIZE

WHITE POWDER COAT

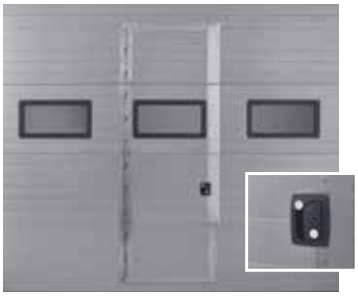
Actual color may vary from samples .

† Also available in Mill finish.

SUPERFLEX IMPACT SECTION

SuperFlex sections flex in & out 8"-10". High-performance TPO skins on a flexible fiberglass tube frame helps minimize lower door section damage commonly found in today's busy warehouses.

PASS DOOR with stainless steel frame



Available in door sizes up to 16'2" wide x 16' tall. Wind load option not available.

Polyurethane Insulated Steel Doors Specifications

SPECIFICATIONS

	Super-Duty	Extra Heavy-Duty	Heavy-Duty	Heavy-Duty	Medium-Duty	Medium-Duty
	Amarr 2743	**Amarr 2042**	**Amarr 2742**	**Amarr 2747**	**Amarr 2741**	**Amarr 3040**
DOOR THICKNESS	3" (7.6 cm)	2" (5.1cm)	2" (5.1cm)	1-5/8" (4.1cm)	1-3/8" (3.5cm)	1" (2.5cm)
PROFILE DESIGN	Tongue and Groove	Tongue and Groove	Tongue and Groove	Shiplap	Tongue and Groove	Tongue and Groove
EXTERIOR STEEL THICKNESS	27 ga	20 ga	27 ga	27 ga	27 ga	.012"
PANEL DESIGN	Pencil Groove	Flush	Pencil Groove	Wide Groove	Pencil Groove	Pencil Groove
STEEL EMBOSSMENT	Stucco	Stucco	Stucco	Stucco	Stucco	Stucco
CONSTRUCTION LAYERS	Triple	Triple	Triple	Triple	Triple	Triple
INSULATION[1]	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
R-VALUE[2]	28.0	19.4	19.4	15.1	14.5	10.1
HINGE REINFORCEMENT	Continuous Strip	Continuous Strip	Continuous Strip	Continuous Strip	Continuous Strip	Continuous Strip
BOTTOM WEATHER SEAL (Co-Extruded PVC)	Triple Contact	Dual Contact	Dual Contact	Triple Contact	Dual Contact	Dual Contact
DOOR WIDTH MIN	5'	5'	5'	5'	5'	5'
DOOR WIDTH MAX	32' 2"*	32' 2"*	32' 2"*	24' 2"	20' 2"	20' 2"
DOOR HEIGHT MIN	7'	7'	7'	7'	7'	7'
DOOR HEIGHT MAX	26' 1"*	26' 1"*	26' 1"*	26' 1"	14' 1"	16' 1"
PASS DOOR		•	•			
ALUMINUM SECTIONS		•	•			
WIND LOAD[3] **AVAILABLE**	•	•	•		•	
PAINT FINISH WARRANTY[4]	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
WORKMANSHIP/HARDWARE WARRANTY[4]	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

Track: All Amarr doors are available with both 2" or 3" track in Standard Lift, High Lift, Vertical Lift, Rapid Install Vertical Lift, Low Headroom, and Follow the Roof Pitch. Custom track configurations are also available. For drawings and more information, please visit **www.amarr.com.**

RAPID INSTALL

Rapid Install Vertical Lift: Designed specifically for commercial warehouse and dock doors and saves approximately 20 minutes of installation time per door due to fewer jamb attachments and a pre-assembled, one-piece track. Available for door sizes up to 9'4" x 10'. For more information, please visit **www.amarr.com.**

Springs: Torsion springs are oil tempered, helical wound and custom computed for each door for a minimum 10,000 cycle life. Optional springs are available up to 100,000 cycle life.

Standard Hardware: Galvanized steel hinges and track brackets. All rollers have minimum 10-ball bearings.

1 Insulation has passed self-ignition, flamespread and smoke developed index fire testing.

2 Calculated door section R-value is in accordance with DASMA TDS-163.

3 It is your responsibility to make sure your garage door meets local building codes.

4 For complete warranty details, visit amarr.com or contact your local Amarr dealer.

* Available door width and height depends on total door weight. Total door weight cannot exceed 635 lbs for 2" track or 2200 lbs for 3" track.

Our Philosophy. Since 1951, we have successfully raised the standards of quality, value, and dependability in the garage door industry. Today, with the same promise of individual attention and great value for all our customers, we remain committed to offering Amarr products and services that raise those standards even higher.

Your Local Amarr Dealer:

Amarr Company
165 Carriage Court
Winston-Salem, NC 27105
800.503.DOOR
www.amarr.com

MADE IN USA

RECYCLED STEEL

Printed in USA Form #6210721/PDF

Amarr®

Aluminum Full View Paint Finishes

Residential Amarr® Horizon HO1000 and Vista VI1000
Commercial Amarr 3552 and 3582

PAINT FINISHES

Amarr aluminum full view doors are available with high-performance PVDF or powder coat finish. PVDF coating (commonly referred to as Kynar®) is known for its resistance to color fade and corrosion and can be produced in almost any custom or RAL color in-house with acceptable lead times. Due to pigmentation some powder coat colors in the yellow, orange, red and purple range offer only limited UV stability and are therefore not offered.

QUALITY

Through the use of a 5-stage chrome pretreatment system and an automated paint line, Amarr high-performance finishes are top quality with consistent results. All PVDF coatings meet or exceed AAMA 2604 standards while power coatings meet or exceed AAMA 2603 standards. With this technology and quality assurance inspections on every job for color, mil thickness, appearance and performance, you can be assured of the best possible finish.

	AAMA 2604 Standards	AAMA 2603 Standards
South Florida Weathering		
Color Retention	5 year - fade = 5 Delta E	1 year - “slight” fade
Gloss Retention	5 year - 30% retention	N/A
Erosion Resistance	5 year - 10% loss	N/A
Chalk Resistance	5 year - chalk = 8	1 year - “slight” chalk
Accelerated Testing		
Salt Spray	3,000 hours	1,500 hours
Humidity	3,000 hours	1,500 hours

CARE & CLEANING

To maintain their original beauty, Amarr aluminum full view doors should be cleaned occasionally using a mild soap solution, applied with a soft cloth or sponge. To avoid damaging the finish, do not use acidic or alkaline cleaners.

Amarr Company
165 Carriage Court
Winston-Salem, NC
27105
800.503.DOOR
www.amarr.com

MADE IN USA

Amarr Color Zone


Amarr Designer's Choice Recessed design with Thames windows in Amalfi (SW6783)

Embrace your inner designer. Whether you are looking for the perfect match for your home's shutters, trim or front door; or you want to make a bold statement on a commercial building, Amarr Color Zone gives you the chance.

- Available on all Amarr residential* or commercial steel sectional doors.
- In a multi-step process, your chosen color is applied as a top coat to Amarr pre-painted, galvanized steel sections giving your door one more layer of protection from the elements.
- Same warranty as Amarr standard door colors. Some dark color and construction combination exceptions apply. See approved color list for details.
- Sherwin-Williams SnapDry™ is resistent to dirt, fingerprints and UV weathering.
- A list of approved colors can be found at www.amarr.com/amarr_color_zone Visit a Sherwin-Williams store to choose from more than 500 SnapDry™ paint colors.

Amarr® Color Zone

SHERWIN WILLIAMS.

* Not available on Amarr Carriage Court


Amarr 2432 in Positive Red (SW6871)

Amarr Company
165 Carriage Court
Winston-Salem, NC 27105
800.503.DOOR
www.amarr.com

MADE IN USA

Form #6321021/PDF

Advancement of Construction Technology

SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: **TWIN FALLS FIRE STATION 2**
To: **PIVOT NORTH ARCHITECTURE**
Re: **Concrete Fiber-Mesh additive**
Substitution Request Number:
From: **STARR CORPORATION**
Date: **2/18/22**
A/E Project Number: **20-041**
Contract For: **N/A**

Specification Title: **CONCRETE PAVING**
Description: **FIBER-MESH ADDITIVE - EXTERIOR CONCRETE**
Section: **321313**
Page: **3**
Article/Paragraph: **2.3; F**

Proposed Substitution: **FIBER-MESH CONCRETE ADDITIVE**
Manufacturer: **FORTA CORPORATION**
Address: **100 FORTA DRIVE, GROVE CITY, PA**
Phone: **1-800-245-0306 or 724-458-5221**
Trade Name: **FIBER-MESH**
Model No.: **FORTA-FERRO**

Attached data includes product description, specifications, drawings, phtographs and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: **TIM POLLARD**
Signed by: TIM POLLARD
Firm: **STARR CORPORATION**
Address: **2995 E 3600 N, TWIN FALLS, IDAHO**
Telephone: **208-733-5695**

A/E's REVIEW AND ACTION

[ ] Substitution approved - Make submittals in accordance with Specification Section 012501.
[X] Substitution approved as noted - Make submittals in accordance with Specification Section 012501.
1) Dose rate shall be as specified at 4 lbs/cy.
2) Fiber length shall be 1.5".
[ ] Substitution rejected - Use specified materials.
[ ] Substitution Request received too late - Use specified materials.

Signed by:
Date:

Supporting Data Attached: Drawings XQ Product Data Q Samples Q Tests

[ ] Supporting Data Attached:
[ ] Drawings:
[X] Product Data:
[ ] Samples:
[ ] Tests:
[ ] Reports:

99 Canal Center Plaza, Suite 300 Alexandria, VA 22314 CSI Form 1.SC

FORTA-FERRO®

FACT-DATA©

MANUFACTURER

FORTA CORPORATION, 100 Forta Drive, Grove City, PA,
U.S.A., 16127-6399
TELEPHONE: 1-800-245-0306, (724) 458-5221;
FAX: (724) 458-8331; **www.forta-ferro.com**

GENERAL DESCRIPTION

FORTA-FERRO® is an **easy to finish**, color blended fiber, made of 100% virgin copolymer/ polypropylene consisting of a twisted bundle non-fibrillating monofilament and a fibrillating network fiber, yielding a high-performance concrete reinforcement system. **FORTA-FERRO®** is used to reduce plastic and hardened concrete shrinkage, improve impact strength, and increase fatigue resistance and concrete toughness. This **extra heavy-duty** fiber offers maximum long-term durability, structural enhancements, and effective secondary/temperature crack control by incorporating a truly **unique synergistic fiber system** of long length design. **FORTA-FERRO® is non-corrosive, non-magnetic, and 100% alkali proof!**

APPLICATIONS

FORTA-FERRO® is mainly used with performance concrete applications such as industrial floors, bridge decks, shotcrete, loading docks, precast products – anywhere that steel reinforcement reduction or replacement is the objective. Contact FORTA Corporation for design assistance.

INSTALLATION

Recommended dosage rate of **FORTA-FERRO®** is **0.2% to 2.0% by volume of concrete** (3 to 30 lbs. per cubic yard) added directly to the concrete mixing system during, or after, the batching of the other ingredients and mixed at the time and speed recommended by the mixer manufacturer (usually four to five minutes).

PHYSICAL PROPERTIES

Materials……Virgin Copolymer/Polypropylene
Form……Monofilament/Fibrillated Fiber System
Specific Gravity……..0.91
Tensile Strength…….83-96 ksi. (570-660 MPa)
Length……..…...2.25” (54mm), 1.5” (38mm)

Color……..Gray
Acid/Alkali Resistance….Excellent
Absorption ……Nil
Compliance……A.S.T.M. C-1116

AVAILABILITY

FORTA-FERRO® can be purchased from FORTA Corporation or an authorized FORTA® products distributor, dealer or representative. Orders are shipped within 24 hours by small package services, commercial carrier, or air freight.

PACKAGING

Convenient incremental pound or kilogram mixer-ready bag packaging.

WARRANTY

FORTA® products are warranted to be free of defects in material and meet all quality control standards set by the manufacturer. FORTA Corporation specifically disclaims all other warranties, express or implied. The exclusive remedy for defective product shall be to replace the product or refund the purchase price. No agent or employee of this company is authorized to vary the terms of this warranty notice. FORTA Corporation has no control over the design, production, placement, or testing of the concrete products in which FORTA® products are incorporated, and therefore FORTA Corporation disclaims liability for the end product.

U. S. Patent Nos. 6,753,081 and 7,168,232. Additional patents pending.

FORTA Corporation's technical recommendations regarding synthetic fiber characteristics are based on years of engineering research and scores of concrete projects. FORTA® has developed a simple "4-C's" formula to help the specifier choose the right fiber for any concrete project application. By making a decision with each of the **FORTA® "4-C's"** categories – **C**onfiguration, **C**hemistry, **C**ontents, and **C**orrect Length–specifiers are assured of obtaining the desired fiber performance level for a given project. The following 4-C's formula specification has been prepared to accommodate the stated reinforcement objective for this FORTA® product grade.

REINFORCEMENT OBJECTIVE: To inhibit plastic and settlement shrinkage cracking prior to the initial set, and to reduce hardened concrete shrinkage cracking, improve impact strength, and enhance concrete toughness and durability as an alternate secondary/temperature/structural reinforcement.

DIVISION – CONCRETE
SECTION – CONCRETE REINFORCEMENT
SUB-SECTION – SYNTHETIC FIBROUS REINFORCEMENT

Synthetic fibrous reinforcement shall be used in the areas denoted in plans, and shall comply with the following fiber characteristics:

1. **Configuration – Fiber shall be a synergistic combination of a twisted-bundle non-fibrillating monofilament and a fibrillating network fiber system.**
2. **Chemistry – Fiber shall be made of 100% virgin materials in the form of fully-oriented copolymer/polypropylene, gray in color.**
3. **Contents – Fiber shall be used at a rate of ___% by volume of concrete, resulting in a dosage of ___pounds per cubic yard [i.e. 0.2%, 3.0 lbs. / cu. yd; 0.33%, 5.0 lbs. / cu. yd; 0.5%, 7.5lbs. / cu. yd; etc]**
4. **Correct Length – Fiber Length shall be ¾", 19mm; 1 ½", 38mm, 2 ¼". 54mm.**

Compliance: Fibers shall comply with A.S.T.M. C-1116 "Standard Specification for Fiber Reinforced Concrete and Shotcrete". The approved product is FORTA-FERRO® structural fiber as manufactured by FORTA Corporation, Grove City, PA, U.S.A. Phone: 1-800-245-0306 or 1-724-458-5221; Fax: 1-724-458-8331.

FORTA®

FORTA Corporation
100 Forta Drive, Grove City, PA 16127-6399 U.S.A.
1-800-245-0306 or 1-724-458-5221
Fax: 1-724-458-8331
www.forta-ferro.com

MADE IN U. S. A.