USE GROUP AT 64,000 S.F.

ALLOWABLE

FLOOR LIVE LOADS (WITH ALLOWABLE REDUCTIONS WHERE APPLICABLE)

- STAIRS & EXITS

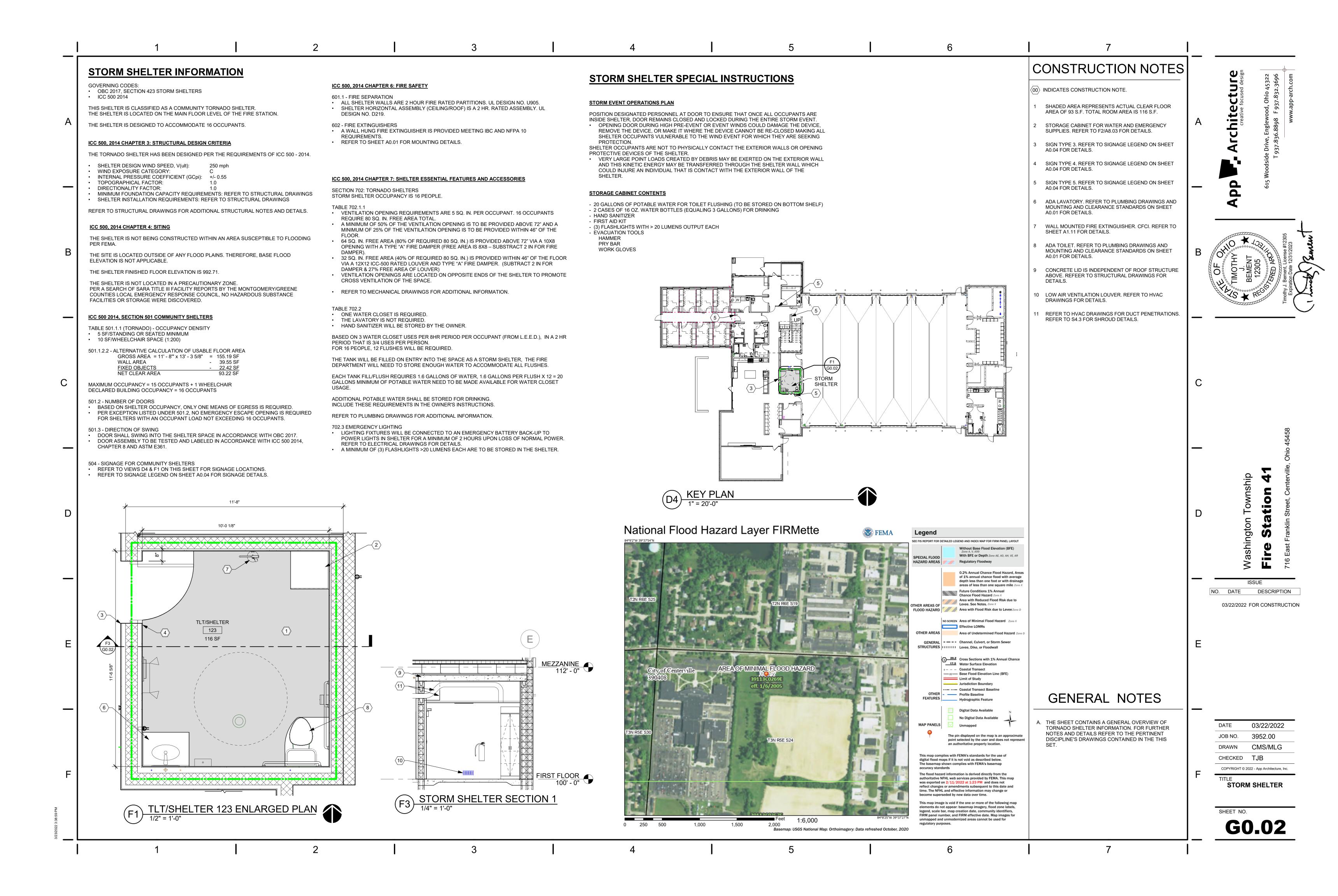
- MEZZANINE/STORAGE (LIGHT) 125 PSF

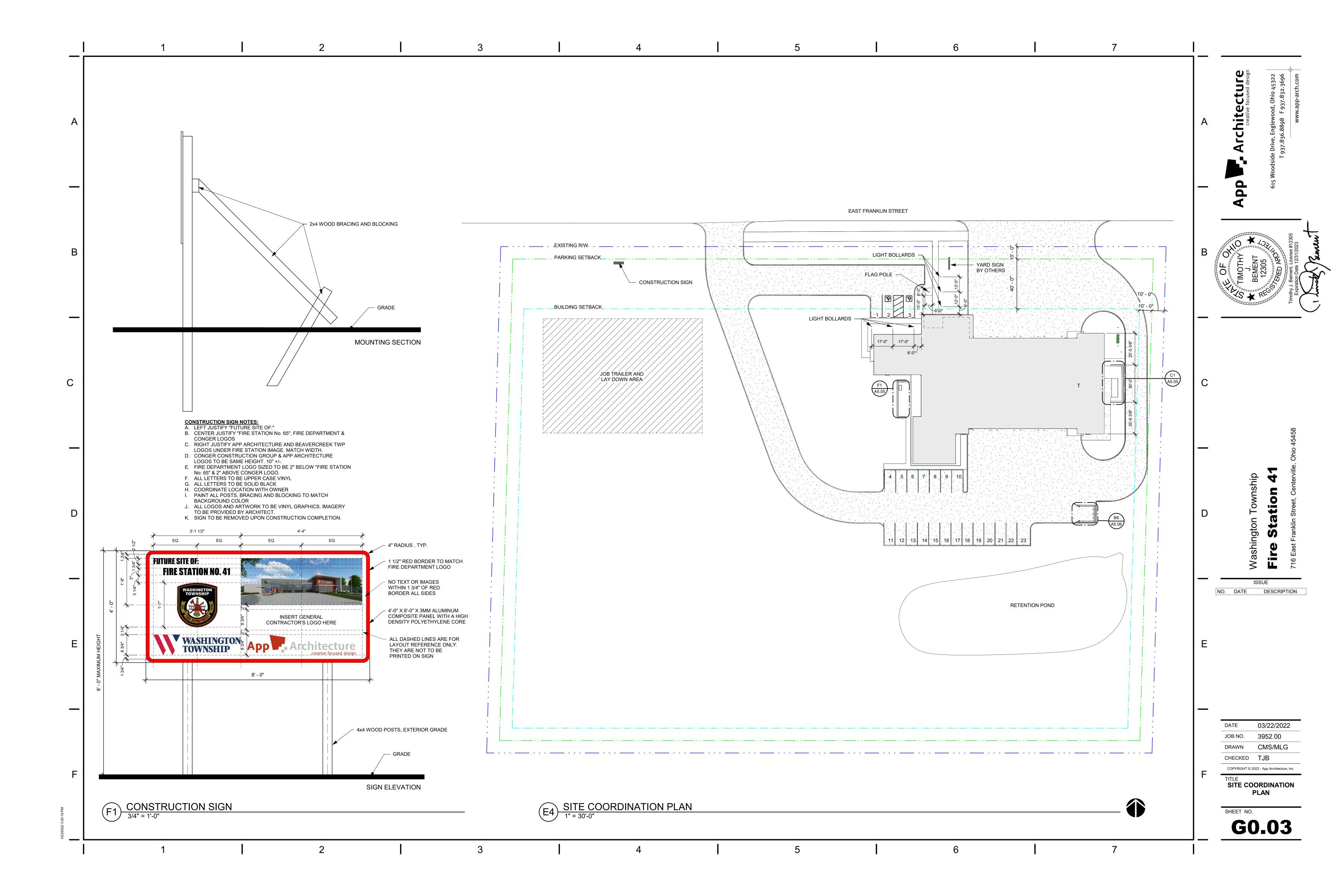
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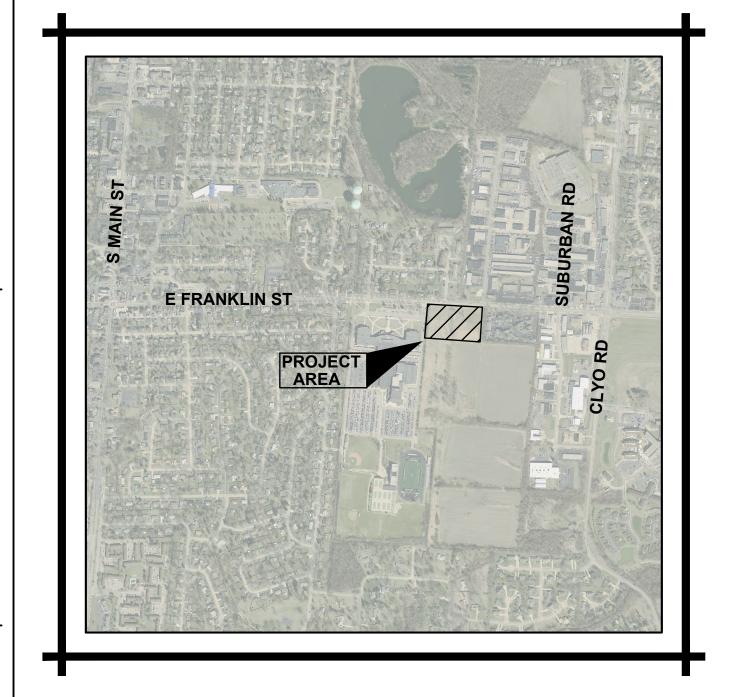
104,500 S.F.

OBC (602) CONSTRUCTION TYPE= II B

G0.01







VICINITY MAP

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)

WASHINGTON TOWNSHIP FIRE STATION 41

CITY OF CENTERVILLE WASHINGTON TOWNSHIP MONTGOMERY COUNTY, OHIO

INDEX OF SHEETS

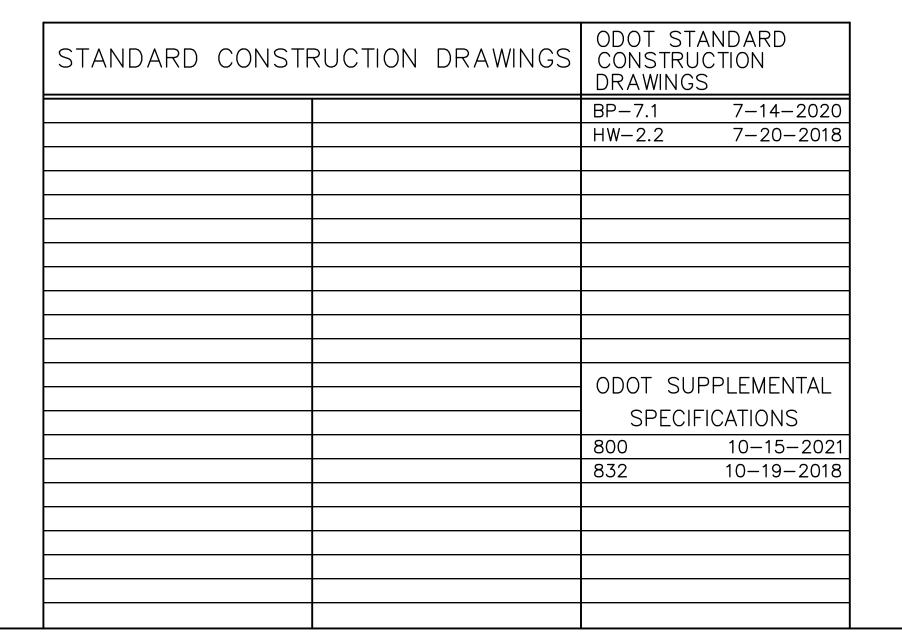
TITLE SHEET GENERAL NOTES GENERAL DETAILS ADA SITE ACCESSIBILITY NOTES AND DETAILS SETBACK DIMENSION PLAN DEMOLITION PLAN DIMENSIONING AND PAVEMENT PLAN UTILITY PLAN GRADING PLAN	C0.01 C0.02-C0.04 C0.05-C0.11 C0.12 C1.01 C1.02 C1.03 C2.01 C3.01
	C1.02
DIMENSIONING AND PAVEMENT PLAN	C1.03
UTILITY PLAN	C2.01
GRADING PLAN	C3.01
PAVEMENT ELEVATION PLAN	C3.02
TRUCK TURN PLAN	C4.01
CONCRETE PAVEMENT JOINT LAYOUT	C4.02
SWPPP TITLE SHEET	C5.01
SWPPP EROSION CONTROL NOTES AND DETAILS	C5.02 - C5.04
SWPPP SITE EROSION CONTROL PLAN	C5.05

2019 SPECIFICATIONS

THE CONSTRUCTION STANDARDS AND DRAWINGS OF THE CITY OF CENTERVILLE AND THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND GENERAL NOTES LISTED IN THE PLAN, SHALL GOVERN THIS IMPROVEMENT. THE MOST RESTRICTIVE SHALL APPLY.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW BUILDING AND ASSOCIATED DRIVES AND PARKING FOR THE WASHINGTON TOWNSHIP FIRE DEPARTMENT, LOCATED ON FRANKLIN STREET WITHIN THE CITY OF CENTERVILLE. SITE WORK TO INCLUDE STORM SEWER, SANITARY SEWER, WATER, SITE GRADING, PAVEMENT WORK AND BUILDING CONSTRUCTION.

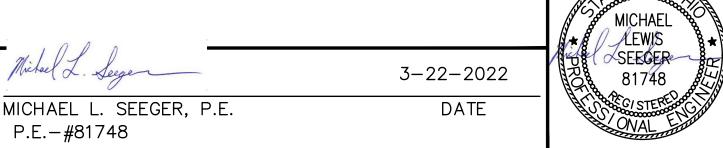




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www.CHOICEONEENGINEERING.com

MARCH 22, 2022





DATE 03/22/2022

JOB NO. 3952.00

DRAWN JAC

CHECKED MLS

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TITLE

TITLE SHEET

CO.01

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App F. Af

615 Woodside Drive,
T937.83



ation 41

Washington Towns Fire Station

ISSUE

NO. DATE DESCRIPTION

1 03/22/2022 FOR CONSTRUCTION

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GENERAL NOTES AND DETAILS

ALL CONSTRUCTION METHODS, MATERIALS, AND SPECIFICATIONS SHALL COMPLY WITH THE LATEST VERSION OF THE CITY OF CENTERVILLE STANDARDS AND SPECIFICATIONS AND/OR THE LATEST VERSION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARDS AND SPECIFICATIONS (INCLUDING CURRENT SUPPLEMENTAL SPECIFICATIONS 800 AND 832), WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY OF CENTERVILLE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE APPLICABLE SPECIFICATION SECTIONS IN THE ARCHITECTURAL PROJECT MANUAL DATES MARCH 22, 2022.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ACCORDING TO THE BEST AVAILABLE DATA. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING THEM IN THE FIELD PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THEM. CONTRACTOR TO CONTACT OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 48 HOURS PRIOR TO CONSTRUCTION.

NON-MEMBERS MUST BE CALLED DIRECTLY.

UTILITY OWNERSHIP

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AT&T OHIO

7201 FAR HILLS AVENUE

CENTERVILLE, OH 45459

CHARTER COMMUNICATIONS

ATTN: JACOB HOUDESHELL

(937) 296-3894

ATTN: JESSE WEAD

3691 TURNER ROAD

DAYTON, OH 45415

(937) 405 - 3786

STREETS. STORM SEWER. WATER **AND SANITARY** CITY OF CENTERVILLE

7970 S SUBURBAN ROAD CENTERVILLE, OH 45458 (937) 428-4782

AES OHIO 1900 DRYDEN ROAD DAYTON, OH 45439 (937) 608-2814 ATTN: WILLIAM GOURLEY

CENTERPOINT ENERGY 2345 E MAIN STREET DANVILLE, IN 46122 (317) 718 - 3639ATTN: JEFF PIKE

OHIO UTILITIES PROTECTION SERVICE 2 WORKING DAYS BEFORE YOU DIG CALL TOLL FREE 800-362-2764

UTILITY INTERFERENCE

IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE AS NEEDED WITH THE UTILITY COMPANY INVOLVED. ANY AND ALL WORK REQUIRED FOR PRIVATE UTILITIES SHALL BE COORDINATED WITH AND, IF REQUIRED, DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY, AT LEAST 7 DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS.

EXISTING TILE HOOKUPS

THE DRAINAGE TILE CURRENTLY CONNECTED TO THE EXISTING STORM SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER. ANY DRAINAGE TILE DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. ALL TILE REMOVED, REPLACED AND/OR CONNECTED TO THE STORM SEWER SHALL BE NOTED ON THE RECORD DRAWINGS AND SHALL BE INSPECTED BY THE CITY OF CENTERVILLE BEFORE THEY ARE COVERED.

ALL FIELD OR STORM DRAINS WHICH ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS OR PLUGGED AS APPROVED AND DIRECTED BY THE CITY OF CENTERVILLE. CONNECTION OF INTERSECTING DRAIN TILES AND THE PROPOSED STORM SEWER SHALL BE THROUGH MANUFACTURED TEES, UNLESS OTHERWISE APPROVED BY THE CITY OF CENTERVILLE. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

GEOTECHNICAL ENGINEERING REPORT

CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT FOR THE PROPOSED PROJECT AND PERFORM ALL GEOTECHNICAL WORK IN ACCORDANCE WITH THIS REPORT.

CROSSINGS AND CONNECTIONS TO **EXISTING PIPES AND UTILITIES**

WHFRE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO. OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, CITY OF CENTERVILLE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT THE EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, CITY OF CENTERVILLE SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

MUD

THE TRACKING OR SPILLAGE OF MUD. DIRT. OR DEBRIS UPON PUBLIC STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.

EXISTING UTILITY CONFLICT NOTE

IF A CONFLICT ARISES WITH EXISTING UTILITIES, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE UTILITY COMPANY TO GET THE CONFLICT RESOLVED

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. CHOICE ONE ENGINEERING CORPORATION MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN-SERVICE OR ABANDONED. CHOICE ONE ENGINEERING CORPORATION FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. CHOICE ONE ENGINEERING CORPORATION HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CAD FILE DISCLAIMER

THE CAD FILE ASSOCIATED WITH THESE CONSTRUCTION PLANS IS A NON-CERTIFIED DOCUMENT. ANY USE OF THE INFORMATION OBTAINED OR DERIVED FROM THE ASSOCIATED CAD FILE WILL BE AT THE RECEIVING PARTY/USER'S RISK. CHOICE ONE ENGINEERING CORP. OFFERS NO WARRANTY AS TO THE ACCURACY OF THE INFORMATION IN THE CAD FILE OR THAT REVISIONS HAVE BEEN ISSUED AFTER THE CAD DRAWING WAS RELEASED. RECEIVING PARTIES/USERS SHALL HOLD HARMLESS TO THE MAXIMUM EXTENT ALLOWED BY LAW CHOICE ONE ENGINEERING CORP. FROM ANY USE OF THE CAD FILE BY THE RECEIVING PARTY/USER. IN ALL CIRCUMSTANCES, AND AT ALL TIMES, THE PUBLISHED PAPER AND/OR PDF DRAWINGS FOR THE PROJECT SHALL SUPERSEDE THE CAD FILES. IN THE CASE OF AN INCONSISTENCY BETWEEN THE PUBLISHED PAPER/PDF DRAWINGS AND THE ASSOCIATED CAD FILE, THE PUBLISHED PAPER/PDF DRAWINGS SHALL GOVERN THE PROJECT AND ALL WORK.

SAFETY

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

DEWATERING

ANY NECESSARY DEWATERING OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS AND SHALL BE INCLUDED IN THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

CLEAN WATER NOTE

ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

SANITARY SEWER/LATERAL NOTE

ALL SANITARY SEWER LINES AND SANITARY LATERALS MUST BE INSTALLED WITH 40 INCHES MINIMUM OF COVER OR BELOW FROST DEPTH WHICHEVER IS GREATER.

RETENTION BASIN CLAY LINER NOTE

WHEN A RETENTION BASIN IS SHOWN, CONTRACTOR TO VERIFY SOIL IS SUITABLE TO HOLD WATER FOR PERMANENT POOL. IF FOUND THAT THE SOIL IS UNSUITABLE FOR PERMANENTLY HOLDING WATER, AN 18" THICK COMPACTED CLAY LINER SHALL BE INSTALLED THROUGHOUT THE ENTIRE WET POOL PORTION OF THE RETENTION BASIN. COST OF THIS ITEM SHALL BE INCLUDED IN THE OVERALL LUMP SUM BID FOR THE PROJECT.

STORM SEWER INSTALLATION

THIS WORK CONSISTS OF CONSTRUCTING STORM SEWER. THE CONTRACTOR SHALL PROVIDE ALL TOOLS AND EQUIPMENT REQUIRED FOR INSTALLING THESE ITEMS. THE WORK ALSO INCLUDES FURNISHING ALL MATERIALS, EXCAVATING, BEDDING, LAYING PIPE, JOINTING, BACKFILLING, REMOVAL AND RESTORATION OF DISTURBED FACILITIES AND SURFACES, CURB REPAIR, SIDEWALK REPAIR, PAVEMENT REPAIR (i.e. PAVEMENT IN STREETS, ALLEYS AND DRIVEWAYS), DISPOSAL OF ALL SURPLUS EXCAVATION AND DISCARDED MATERIALS, AND OTHER WORK NECESSARY TO COMPLETE THE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD LOCATE ALL EXISTING STORM SEWER, AND OTHER UTILITIES, PRIOR TO INSTALLING THE PROPOSED STORM SEWER SYSTEM. THE EXISTING STORM SEWER AND LATERALS SHOWN ON THE PLANS ARE IN THE APPROXIMATE LOCATION AND IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE PROPOSED TIE-INS TO THE EXISTING STORM PRIOR TO ANY STORM SEWER CONSTRUCTION. ALL TIE-INS SHALL BE THROUGH PREMANUFACTURED TEES OR HOLES INSTALLED USING A CORING MACHINE. PIPE MAY BE ANY OF THE PIPE TYPES LISTED BELOW UNLESS OTHERWISE SPECIFIED ON THE PLANS.

TYPES OF PIPE PERMITTED	ODOT MATER	RIALS NUMBER
CORRUGATED POLYETHYLENE SMOOTH-LINED PIPE	(CPSLP)	707.33
POLYPROPYLENE CORRUGATED DOUBLE WALL PIP	E (PCDWP)	707.65
POLYVINYL CHLORIDE SOLID WALL PIPE (SDR-35)		707.45
REINFORCED CONCRETE PIPE		706.02

GENERAL NOTES

1. INSTALL AND TEST ALL UTILITIES PER THE LATEST VERSION OF THE CITY OF CENTERVILLE STANDARDS.

2. ALL DISTURBED AREAS AND ALL NON-PAVEMENT AREAS SHALL HAVE A MINIMUM OF 6" OF TOP SOIL PLACED AND ARE TO BE SEEDED AND MULCHED PER ODOT ITEM 659.

3. ALL CONCRETE USED FOR HEAVY DUTY PAVEMENT(S) AND STANDARD DUTY PAVEMENT(S) SHALL BE ODOT QC-1P AND REINFORCED WITH CONCRETE FIBERS AS SPECIFIED IN THE PROPOSED PAVEMENT SECTION(S). ALL OTHER CONCRETE (WALKS, CURBS, ETC.) SHALL BE ODOT QC MISC. (CEMENT ONLY - NO POZZOLAN MATERIAL) REINFORCED WITH 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO FIBRILLATED MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3, MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES.

4. CONTRACTOR TO BE RESPONSIBLE FOR ANY PERMITS OR FEES THAT MAY BE NECESSARY FOR THE COMPLETION OF THE SITE WORK.

5. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL ADA REGULATIONS AND STANDARDS.

6. ALL ITEMS ON SITE PLAN SHALL BE CONSTRUCTED PER THE LATEST VERSION OF THE CITY OF CENTERVILLE STANDARDS.

AND RELATED WORK

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 611, PIPE CULVERTS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES, EXCEPT AS HEREIN MODIFIED.

THE INSTALLATION OF ALL STORM SEWER, SANITARY SEWER, AND ALL CORRESPONDING STRUCTURES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS OR AS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN A HIGH STANDARD OF WORK. CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WORK IS PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR AS NOTED ON THE PLANS. CONTRACTOR SHALL ALSO ENSURE THAT ALL ITEMS ARE FULLY AND PROPERLY FUNCTIONAL, AND TO A QUALITY ACCEPTABLE TO THE OWNER.

ALL PIPE CULVERTS, CONDUITS, SEWERS, DRAINS, AND DRAINAGE STRUCTURES (CATCH BASINS, YARD DRAINS, MANHOLES, ETC.) SHALL MEET THE MATERIAL REQUIREMENTS OF THIS ITEM. THE FOLLOWING ITEMS WILL NOT BE REQUIRED UNLESS OTHERWISE NOTED: 1) INSTALLATION PLAN, 2) CONSTRUCTION INSPECTION FORMS, 3) PERFORMANCE INSPECTIONS AND REPORTS, 4) CONDUIT AND DRAINAGE STRUCTURE EVALUATIONS.

THE CONTRACTOR SHALL ENSURE THE CONDUIT BEDDING AND BACKFILL COMPACTION DENSITY MEETS ASTM D698 (98% STANDARD PROCTOR). TESTING MAY BE REQUIRED IF DEEMED NECESSARY BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

MAINTAINING TRAFFIC

MAINTAIN TRAFFIC AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". ALSO THE FOLLOWING REQUIREMENTS SHALL APPLY.

EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY LIMITS SHALL BE CLOSED AT TIMES WHEN WORK IS NOT BEING PERFORMED.

LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING THE TIME THAT AN APPROVED CLOSURE AND DETOUR IS ALLOWED BY THE GOVERNING AUTHORITY.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO MAINTAIN THE TRAVELED PAVEMENT SAFELY.

NO SHUT DOWN OF ANY OWNER FACILITY DRIVE. ROADWAY OR PARKING LOT WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE OWNER. ALL OWNER ROADWAYS MUST HAVE AT LEAST ONE LANE OPEN AT ALL TIMES. NO STAGING OF TRUCKS OUTSIDE OF CONSTRUCTION LIMITS WILL BE PERMITTED WITHOUT CONSENT FROM THE OWNER.

SUBCONTRACTOR SUPERVISION

THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES. AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK. COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE CONTRACTORS OVERALL LUMP SUM BID FOR THE PROJECT.

EXCAVATION AND EMBANKMENT

TOPSOIL SHALL BE REMOVED FROM ALL DISTURBED AREAS AND ALL AREAS TO BE EXCAVATED OR EMBANKED. A MINIMUM OF 6" OF TOPSOIL SHALL BE FINE GRADED ON ALL DISTURBED AREAS.

ALL EMBANKMENT SHALL BE COMPACTED TO A MINIMUM OF 100% STANDARD PROCTOR OR AS DETERMINED BY THE OWNER. TESTING MAY BE REQUIRED BY THE OWNER.

SAWCUT PAVEMENT JOINTS

MORE THAN ONE SAWCUT MAY BE NECESSARY TO ENSURE A CLEAN CUT. JUST PRIOR TO ASPHALT OR CONCRETE PLACEMENT, ASPHALT MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF SAWCUT JOINTS PRIOR TO PAVING AS PER 401.14. AFTER THE ASPHALT WORK IS COMPLETED. THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT.

STORM AND SANITARY CONDUITS/STRUCTURES



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ISSUE NO. DATE DESCRIPTION 1 03/22/2022 FOR CONSTRUCTION

03/22/2022

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GENERAL NOTES

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SHEET NO. C0.02

Engineering

PAVEMENT MARKINGS

ALL PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 640 AND 642. ALL PAVEMENT MARKINGS TO BE TYPE 1, UNLESS APPLICATION IS REQUIRED WHEN AIR AND PAVEMENT TEMPERATURES ARE BETWEEN 35 F AND 50 F, THEN OBTAIN APPROVAL FROM THE OWNER AND APPLY ONLY PRE-QUALIFIED TYPE 1A COLD WEATHER TRAFFIC PAINT MATERIALS PER ITEM 642 AND 740.

ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

DOWNSPOUTS

THE CONTRACTOR SHALL CONNECT ANY DOWNSPOUTS AS SHOWN ON THE SITE PLAN OR TO THE CLOSEST STORM PIPING OR CATCH BASINS USING CPSLP OR PVC SDR-35 SEWER OR APPROVED EQUAL.

UTILITIES

CONTRACTOR SHALL INSTALL AND/OR COORDINATE THE INSTALLATION OF GAS, ELECTRIC, TELEPHONE, CABLE TELEVISION, FIBER OPTIC, ETC.. CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES PRIOR TO INSTALLATION OF ANY FACILITIES. ALL UTILITIES SHALL BE INSTALLED PER EACH PARTICULAR UTILITY COMPANY'S STANDARDS AND PROCEDURES. CONTRACTOR TO VERIFY ACTUAL SIZES, LOCATIONS (POINTS OF ENTRY INTO THE BUILDING) AND INVERTS OF ALL UTILITIES TYING INTO THE BUILDING WITH ALL ARCHITECT PLANS (BUILDING, PLUMBING, ELECTRICAL, ETC.) BEFORE CONSTRUCTION.

ASPHALT PAVEMENT REPLACEMENT NOTE

ANY EXISTING PAVEMENT THAT IS TO BE REMOVED SHALL BE SAWCUT FULL DEPTH AND RESTORED TO MATCH THE EXISTING PAVEMENT CROSS SECTION UNLESS OTHERWISE NOTED IN THE PLANS.

ASPHALT

D

ALL ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL APPLY TO THIS PROJECT EXCEPT FOR ODOT ITEM 401.20 ASPHALT BINDER PRICE ADJUSTMENT (ASPHALT CONCRETE BID ITEMS ARE NOT ELIGIBLE FOR ANY ASPHALT BINDER PRICE ADJUSTMENT).

ALL ASPHALT DELIVERED SHALL BE ACCOMPANIED WITH A LOAD TICKET AS PER ITEM 401.21.

REVIEW OF DRAINAGE FACILITIES

BEFORE FINAL ACCEPTANCE BY THE OWNER, REPRESENTATIVES OF THE OWNER, AND THE CONTRACTOR, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. ALL EXISTING SEWERS INSPECTED BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO PRE—EXISTING CONDITION OF THE SEWER. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF CENTERVILLE AND/OR OWNER.

ALL NEW CONDUITS, UNDERDRAINS (INCLUDING THE STONE BACKFILL ABOVE THE UNDERDRAIN PIPING), INLETS, CATCH BASINS, MANHOLES, SWALES/DITCHES, AND DETENTION/RETENTION BASINS CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER (INCLUDING SEDIMENT) AND IN A CLEAN CONDITION AND FULLY AND PROPERLY FUNCTIONAL BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

CLEARING AND GRUBBING

CONTRACTOR TO CLEAR THE AREA AS SHOWN ON THE PLANS AND/OR AS NEEDED TO WORK ON THIS PROJECT. UNLESS STATED ELSEWHERE IN THE PLANS, CLEARING AND GRUBBING IS TO BE KEPT TO A MINIMUM IN ORDER TO PRESERVE THE WOODED AREAS.

MODIFICATIONS

ANY MODIFICATIONS TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE OWNER.

RESTORATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DISTURBED AND/OR DAMAGED AREAS, INCLUDING PAVEMENT, TO CONDITIONS EQUAL TO OR BETTER THAN CONDITIONS PRIOR TO CONSTRUCTION OR TO THE SATISFACTION OF THE OWNER.

MISCELLANEOUS

THE INTENT OF THESE DRAWINGS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.

IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE OWNER'S REPRESENTATIVE'S INTERPRETATION.

CONTRACTORS SHALL VERIFY ALL GRADES, ELEVATIONS, AND EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

CONTRACTOR'S LUMP SUM BID PRICE SHALL INCLUDE ALL ITEMS AND OPERATIONS NEEDED, REQUIRED AND NECESSARY FOR THE PROPER EXECUTION OF THE PROJECT AND TO COMPLETE ALL WORK.

GRAFFITI AND VANDALISM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF ANY CONCRETE WORK OR OTHER ITEMS UNDER THIS CONTRACT WHICH IS DEEMED UNACCEPTABLE BY THE OWNER DUE TO GRAFFITI OR VANDALISM DAMAGE.

OWNER COORDINATION NOTES

THE CONTRACTOR SHALL COORDINATE THE PROPOSED WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK ON SITE. IF THE CONTRACTOR IS TO ENGAGE IN ANY OPERATIONS THAT AFFECT THE EXISTING FACILITY OPERATIONS, THE CONTRACTOR SHALL COORDINATE THE SCHEDULING OF SUCH ACTIVITIES WITH THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY SUCH OPERATIONS OR ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT, BRACING, AND OTHER DEVICES AS MAY BE REQUIRED OR AS DIRECTED BY OWNER'S REPRESENTATIVE OR THE ENGINEER TO PROTECT THE SAFETY OF THE PUBLIC, ADJACENT STRUCTURES, ROADWAY AND/OR UTILITIES. ALL WORK TO BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

GENERAL NOTES FOR CIVIL WORK

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND IS TO INCLUDE SUCH COSTS AS A PART OF THE LUMP SUM PRICE ON THE PROJECT.

2. THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE APPROPRIATE UNDERGROUND UTILITY MARKING SERVICE PRIOR TO THE START OF ANY CONSTRUCTION IN ORDER TO AVOID CONFLICTS WITH EXISTING UTILITIES. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR IS TO NOTIFY THE OWNER PRIOR TO THE START OF ANY WORK THAT WOULD BE IN CONFLICT WITH THE UTILITIES.

3. THE CONTRACTOR IS TO VISIT AND INVESTIGATE THE PROJECT SITE, PRIOR TO BIDDING, IN ORDER TO DETERMINE THE EXISTING GROUND AND SITE CONDITIONS. FOR SOIL TYPE AND GROUND WATER TABLE, THE CONTRACTOR IS ENCOURAGED TO UTILIZE ANY AVAILABLE DATA TO ESTIMATE GROUND CONDITIONS. SHOULD THE BIDDING CONTRACTOR REQUIRE ADDITIONAL TEST HOLES PRIOR TO BIDDING IN ORDER TO DETERMINE OR VALIDATE GROUND CONDITIONS, THIS CAN BE COMPLETED AT THE DISCRETION OF THE OWNER. NO TEST HOLES ARE TO BE DUG WITHOUT CONTACTING THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION AND WITHOUT RECEIVING WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE TO DO SO.

4. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS WITH REGARD TO EXCAVATION, SAFETY, QUALITY AND WORK PROGRESS. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THESE THROUGHOUT CONSTRUCTION OPERATIONS.

5. THE LOCATION OF MATERIALS STORED ON SITE MUST RECEIVE THE APPROVAL OF THE OWNER. IN GENERAL, MATERIALS SHOULD BE STORED SO AS TO MINIMIZE THE INCONVENIENCE TO THE OWNER.

6. TRENCH EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE BID SPECIFICATIONS AND IN ACCORDANCE WITH ALL APPLICABLE OSHA RULES AND REGULATIONS. IN ADDITION, THE OWNER MAY HAVE ADDITIONAL REQUIREMENTS FOR EXCAVATION AND TRENCHING ON OWNER PROPERTY THAT MAY BE MORE STRINGENT THAN CURRENT LOCAL OR OSHA REQUIREMENTS. IN THIS CASE, THE OWNERS REQUIREMENTS ARE TO BE FOLLOWED UNLESS THIS ACTION WOULD BE CONSIDERED NON-COMPLIANT WITH CURRENT GOVERNING CODES OR REGULATIONS AS DEFINED BY LOCAL OR GOVERNING AUTHORITIES. WHERE A NON-COMPLIANCE ISSUE IS NOTED, THE CONTRACTOR IS TO MAKE THE OWNER AND ENGINEER AWARE OF THE GOVERNING CODE.

7. THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES, NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH THE EXCAVATED TRENCH. ANY DRAINAGE TILES ENCOUNTERED ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER AS PART OF THE RECORD DRAWINGS.

8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRS TO ANY UTILITY LINE(S) THAT THE CONTRACTOR DAMAGES UNLESS OTHERWISE CLEARLY THE RESPONSIBILITY OF THE UTILITY COMPANY.

9. THE CONTRACTOR WILL REPLACE ALL DAMAGED OR REMOVED DRIVES AND PAVEMENT WITH THE REQUIRED THICKNESS SHOWN ON THE PLANS OR MATCH EXISTING IF GREATER.

NEAREST INLET STRUCTURE.

10. ALL DISTURBED LAWN AREAS SHALL BE GRADED TO DRAIN TO THE

11. CONTRACTOR SHALL USE PROPER EROSION CONTROL TECHNIQUES TO MAINTAIN GRADE PRIOR TO SEEDING.

12. CONTRACTOR TO REFER TO ODOT SPECIFICATION, ITEM 659 FOR SEEDING AND MULCHING UNLESS OTHERWISE SPECIFIED. CONTRACTOR WILL NOT SEED ANY AREA UNTIL OWNER HAS INSPECTED FINAL TOPSOIL GRADING.

13. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FENCES, LAWN DECORATIONS, TREES, SHRUBS, PLANTING, VEGETATION ETC. WHICH IS DAMAGED, DISTURBED OR REMOVED DURING CONSTRUCTION.

ITEM 304 AGGREGATE BASE, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 304 AGGREGATE BASE, EXCEPT AS HEREIN MODIFIED.

THIS ITEM SHALL ALSO INCLUDE SATURATING THE AGGREGATE BASE WITH WATER DURING PLACEMENT OF EACH LIFT PRIOR TO COMPACTION. THIS WORK SHALL INCLUDE "PROOF ROLLING" WITH LOADED TANDEM DUMP TRUCK AS DIRECTED BY THE OWNER'S REPRESENTATIVE UNTIL NO DEFLECTION OR TIRE INDENTATION IN THE AGGREGATE SUB-BASE/BASE IS PRESENT.

PAYMENT FOR ITEM 304 AGGREGATE BASE FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659, SEEDING AND MULCHING, EXCEPT AS HEREIN MODIFIED.

ALL DISTURBED AREAS OR AREAS DESIGNATED FOR SEEDING SHALL BE GRADED AND SEEDED AND SHALL HAVE A MINIMUM OF 6" OF TOPSOIL OVER THE ENTIRE AREA. TESTING THE PH OF ANY EXISTING OR IMPORTED TOPSOIL PER ODOT 659.02 SHALL BE WAIVED. THE AREA SHALL BE HAND—RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1" IN SIZE PERMITTED IN THE TOP 6".

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL.

IT'S THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE REQUIRED GERMINATION RATES AND ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE OWNER WHICH MAY REQUIRE WATERING, REGRADING/ADDING TOPSOIL AND RESEEDING. ANY AREAS THAT HAVE ERODED OR WHERE NEW GRASS DID NOT GERMINATE SHALL BE ADDRESSED BY THE CONTRACTOR UNTIL THE AREAS ARE STABILIZED, SHAPED, AND DRAINED, AS INDICATED IN THE PLANS.

ANY DISTURBED AREA, OUTSIDE OF THE PROJECT WORK LIMITS, CAUSED BY THE CONTRACTOR'S WORK, SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AND PROJECT OWNER'S REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE. THIS ITEM INCLUDES: TOPSOIL, SEEDING, MULCHING, COMMERCIAL FERTILIZER, WATER, AND REPAIR SEEDING AND MULCHING.

PAYMENT FOR ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN, FOR ALL ABOVE OPERATIONS, SHALL BE INCLUDED IN THE LUMP SUM BID PRICE AND SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

PAVEMENT STRIPING NOTES

ANY PROPOSED PAVEMENT MARKING SHALL BE STRIPED AS PART OF THIS WORK.

ALL PAVEMENT MARKING LINES SHALL BE WHITE (DO NOT REQUIRE REFLECTOR BEADS) AND SHALL CONSIST OF 4" WIDE LINES.

ALL PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 640 AND 642.
ALL PAVEMENT MARKINGS TO BE TYPE 1, UNLESS APPLICATION IS
REQUIRED WHEN AIR AND PAVEMENT TEMPERATURES ARE BETWEEN 35
F AND 50 F, THEN OBTAIN APPROVAL FROM THE OWNER AND APPLY
ONLY PRE-QUALIFIED TYPE 1A COLD WEATHER TRAFFIC PAINT
MATERIALS PER ITEM 642 AND 740.

ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

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Washington Towns Fire Station

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1 03/22/2022 FOR CONSTRUCTION

DATE 03/22/2022

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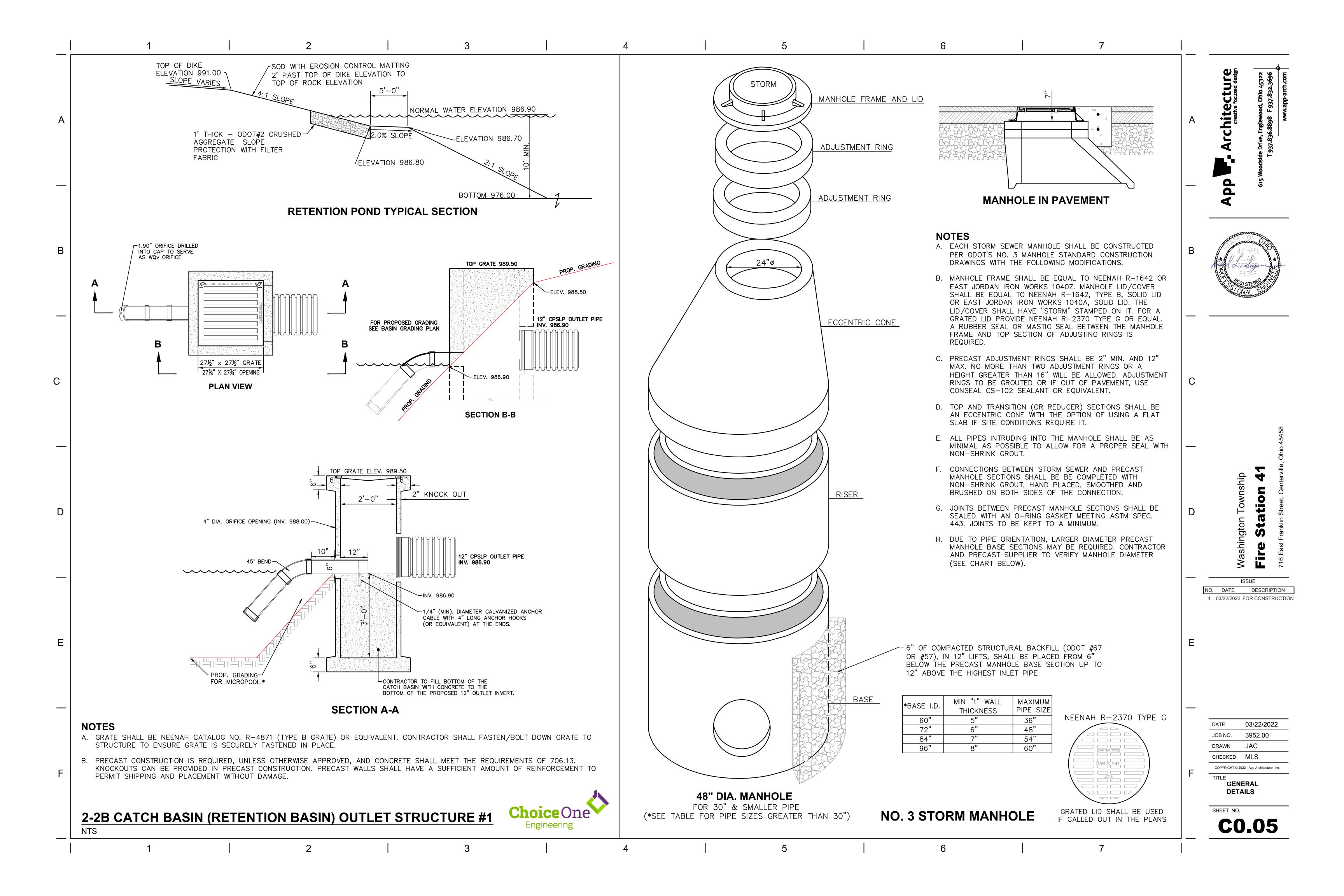
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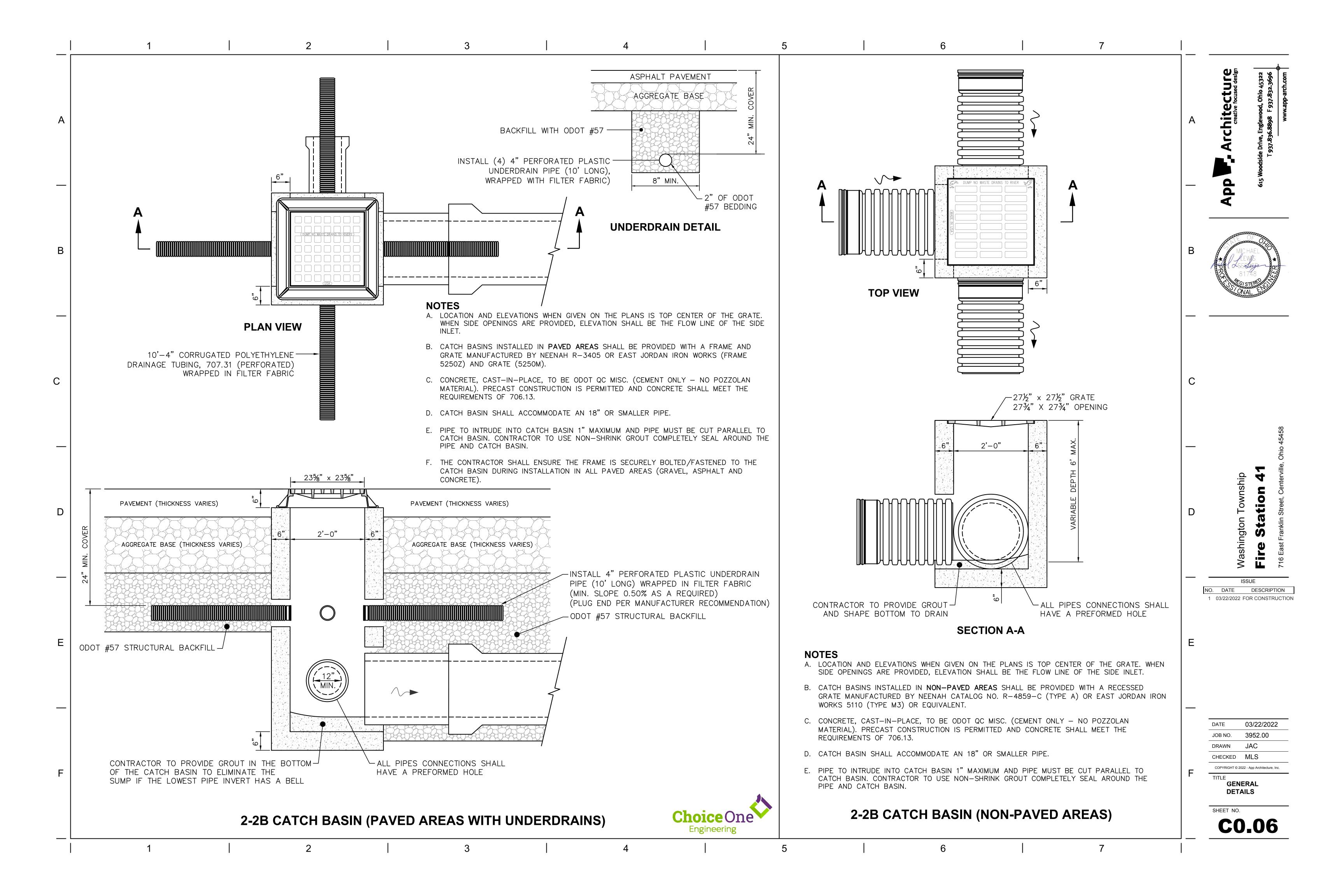
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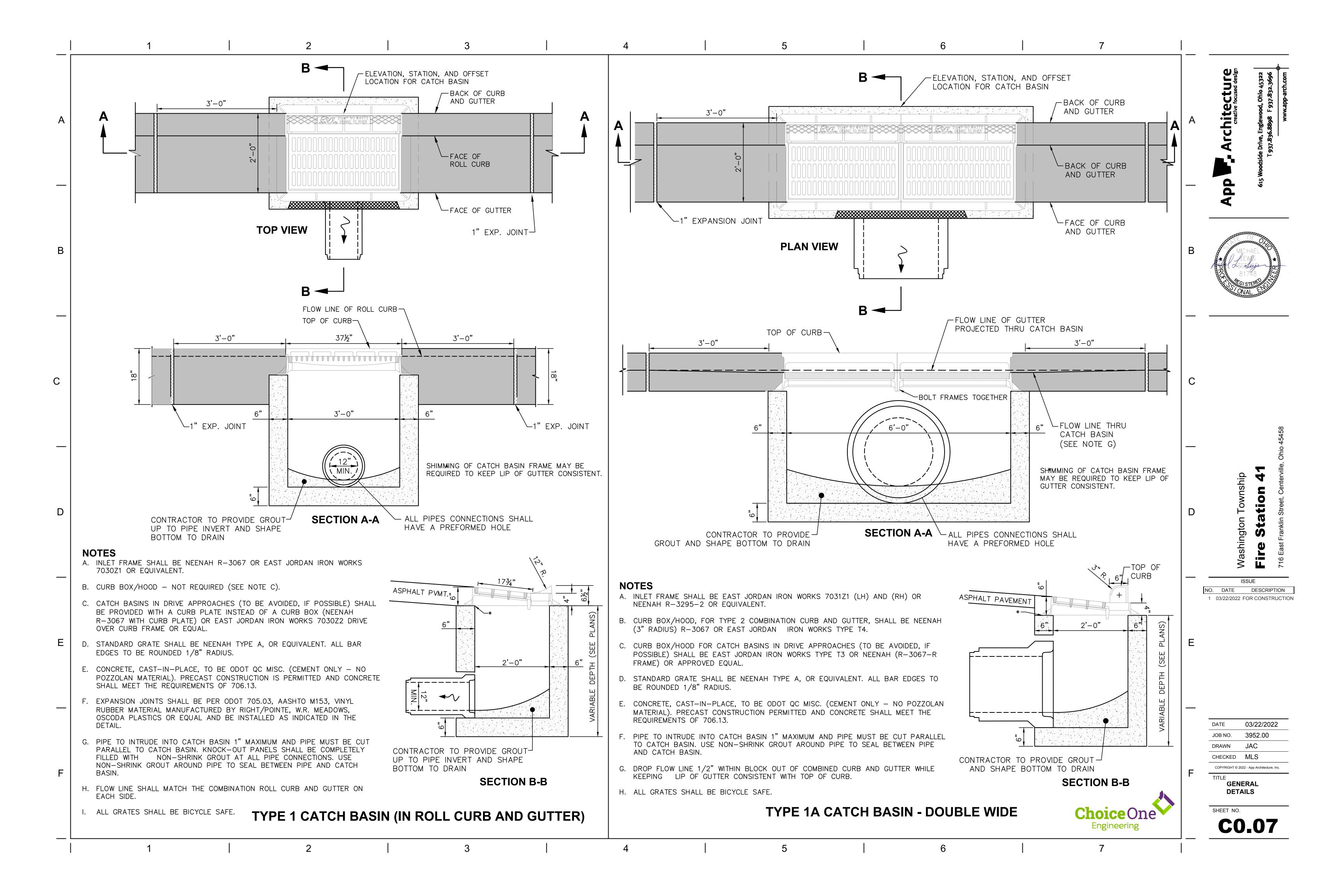
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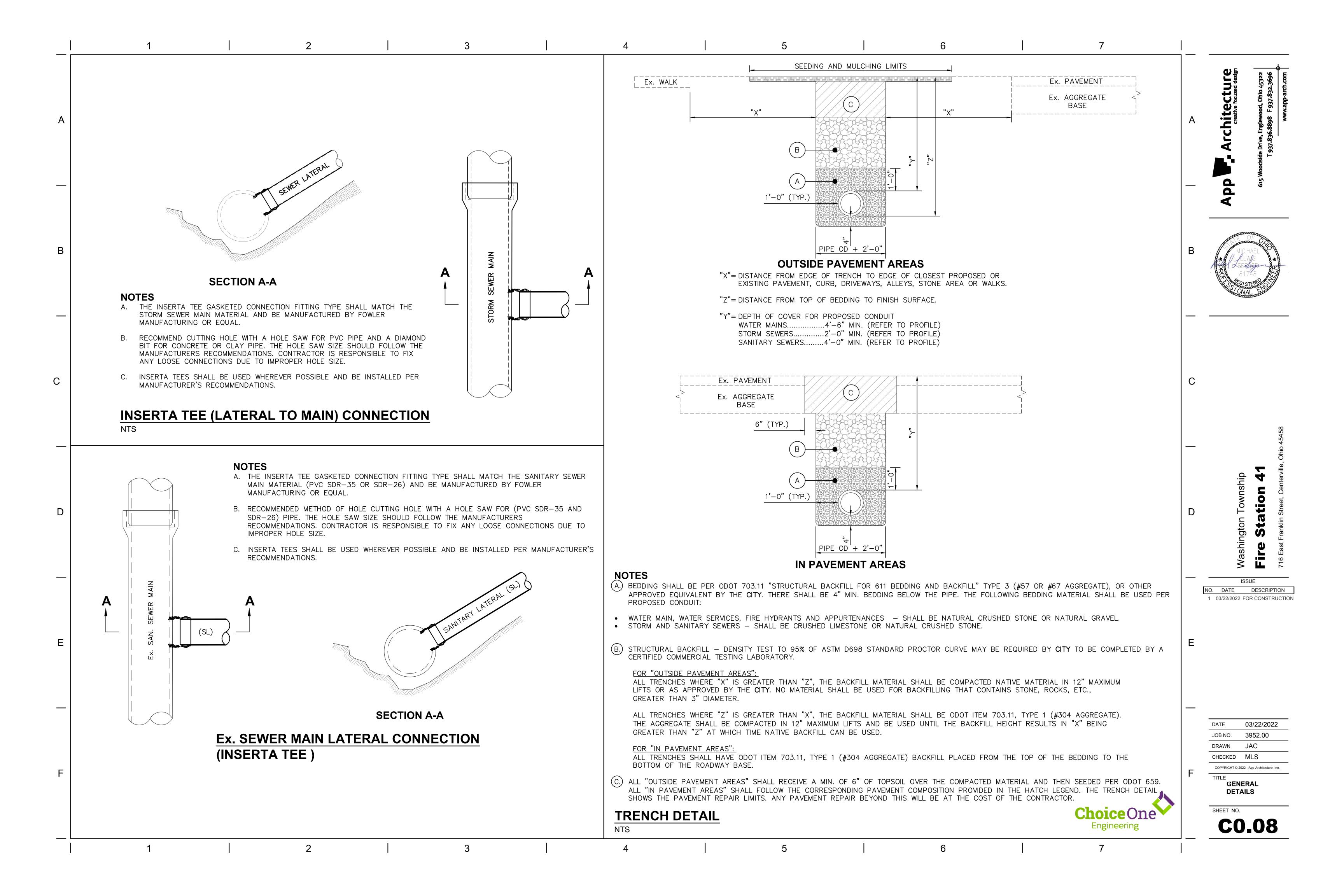
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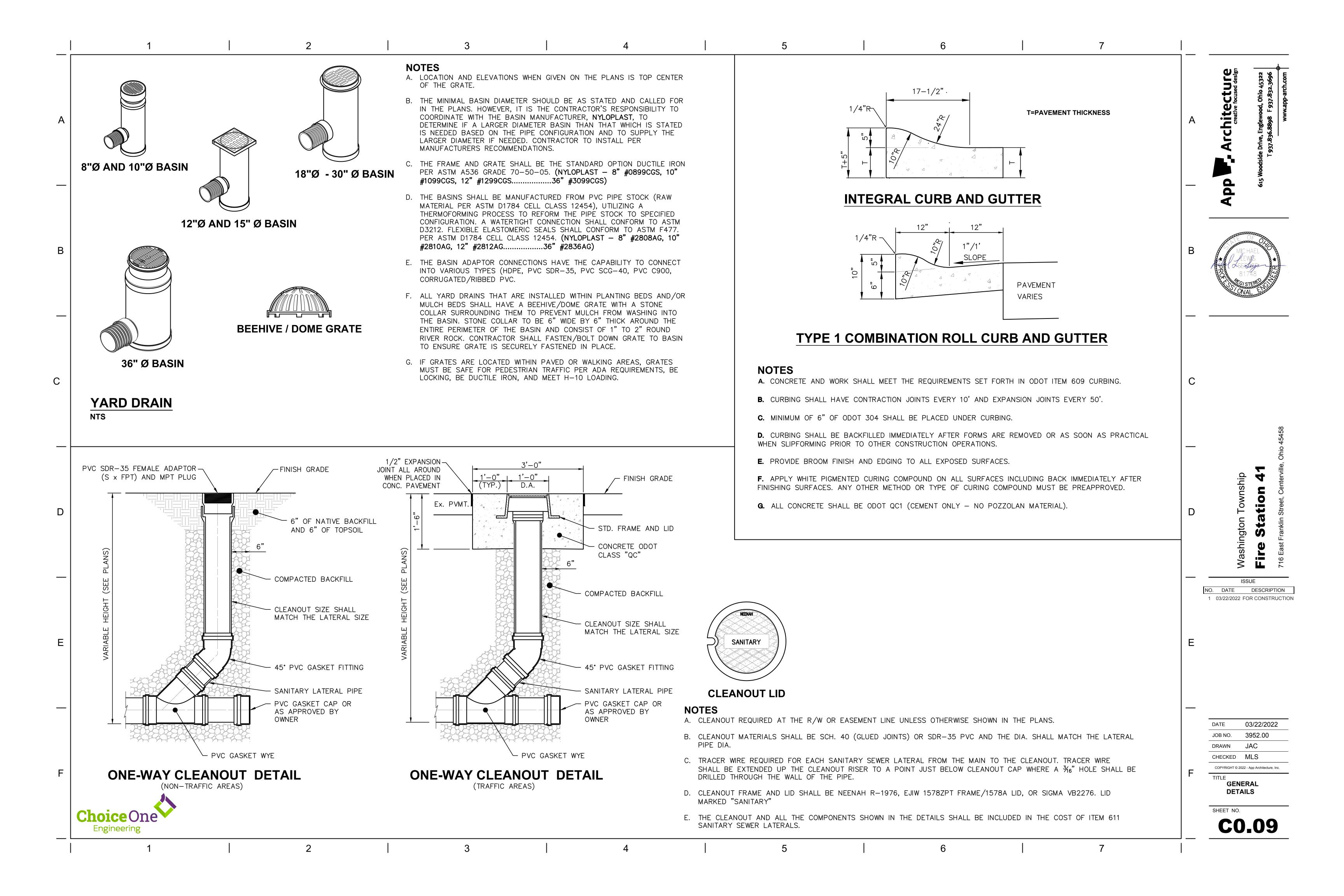
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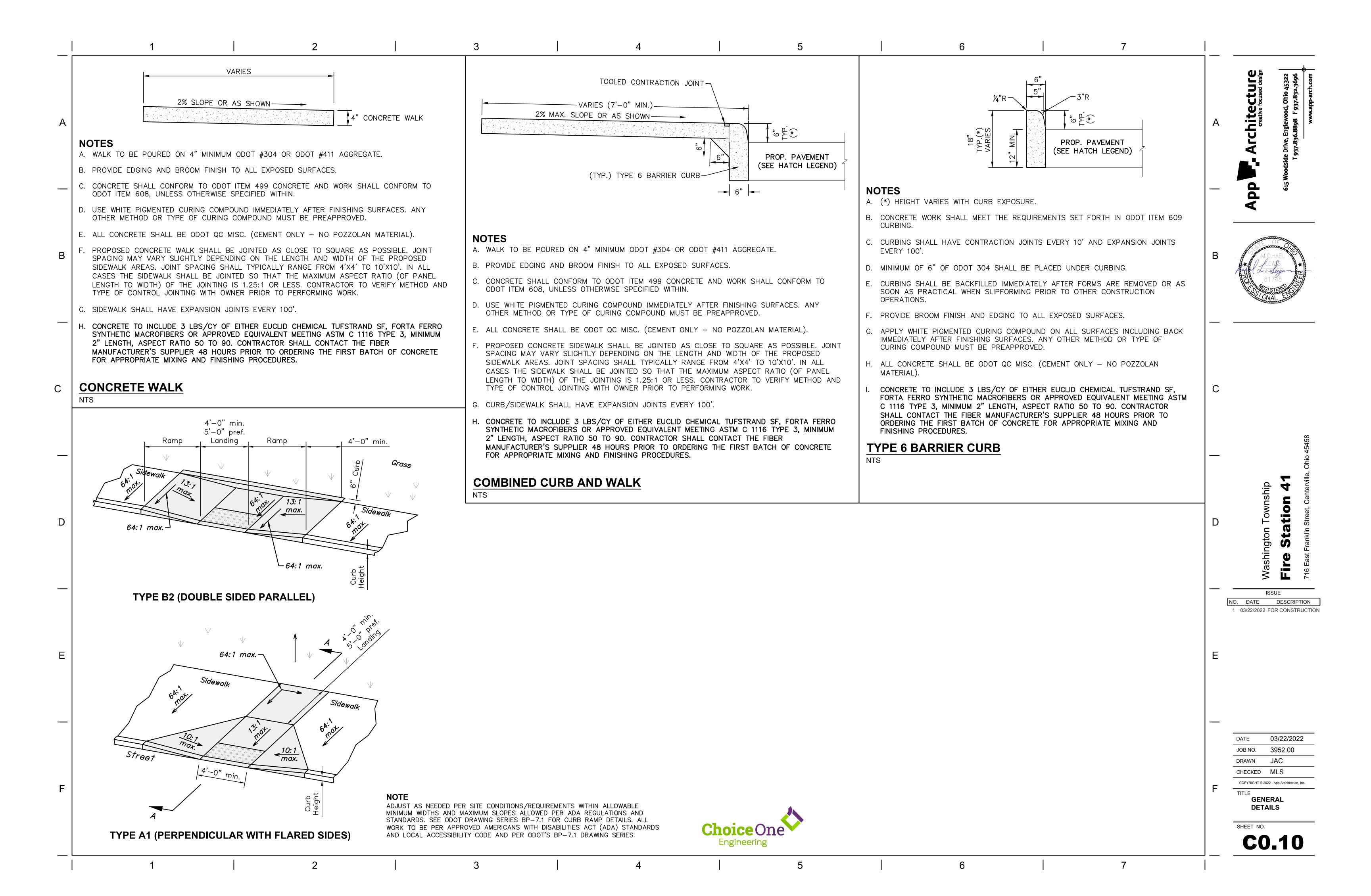


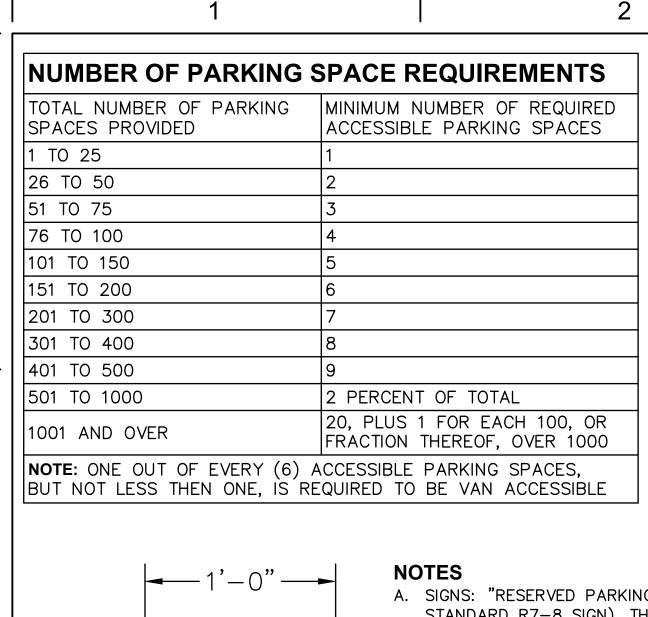












RESERVED \$250 FINE **ACCESSIBLE**

- A. SIGNS: "RESERVED PARKING" SIGN (USDOT STANDARD R7-8 SIGN). THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH A "\$250 FINE MINIMUM" SIGN (USDOT STANDARD R7-H8b SIGN) AND A "VAN ACCESSIBLE" SIGN (USDOT STANDARD R7-8a SIGN) AS APPLICABLE. CONFIRM WITH LOCAL REGULATIONS.
- B. A U.S. DEPARTMENT OF TRANSPORTATION R7-8 (RESERVED PARKING) AND SUPPLEMENTAL SIGNS AS NOTED ABOVE MUST BE MOUNTED ON A PERMANENT POST SO THAT THE LOWER EDGE OF THE BOTTOM MOST SIGN IS AT LEAST FIVE FEET ABOVE THE PAVEMENT/GROUND. THE POST MUST BE MOUNTED IN THE CENTER OF THE ADA ACCESSIBLE PARKING SPACE, NO MORE THAN FIVE FEET FROM THE FRONT OF THE PARKING SPACE. ONE SIGN REQUIRED FOR EACH ACCESSIBLE PARKING SPACE. ALL WORK SHALL CONFORM WITH ALL FEDERAL, STATE AND LOCAL AMERICANS WITH DISABILITIES ACT (ADA) REGULATIONS AND STANDARDS AND LOCAL ACCESSIBILITY CODE.
- C. ALL HANDICAP PARKING SPACES MUST ALSO HAVE A PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY CENTERED IN THE PARKING

A.D.A. RESERVED PARKING SIGN

NOTES:

THE MINIMUM COMBINED WIDTH FOR A VAN PARKING SPACE AND ACCESSIBILITY AISLE IS 16' WIDE.

THE MINIMUM COMBINED WIDTH FOR A CAR PARKING SPACE AND ACCESSIBILITY AISLE IS 13' WIDE.

TYPICAL HANDICAP PARKING SPACE AND STRIPING PLAN

(FOR REFERENCE ONLY) - NTS

SITE ACCESSIBILITY NOTES

CAR PARKING SPACES SHALL BE 8

SHALL BE 11' WIDE MINIMUM WHEN

ACCESS AISLE IS 8' WIDE MINIMUM.

PARKING SPACES SHALL BE

WIDE MINIMUM. VAN PARKING SPACES

USING A 5' WIDE ACCESS AISLE. VAN

PERMITTED TO BE 8' WIDE WHERE THE

- A. REFER TO SITE PLAN FOR EXACT LOCATION OF HANDICAP PARKING, ACCESSIBILITY AISLES, WALKWAYS AND RAMPS.
- B. ALL WALKWAYS, RAMPS, AND HANDICAP PARKING SIGNAGE, ETC. SHALL COMPLY WITH AND MEET APPROVED AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND LOCAL ACCESSIBILITY CODE.
- C. ONE OUT OF EVERY SIX (6) ACCESSIBLE PARKING SPACES, BUT NOT LESS THAN ONE, IS REQUIRED TO BE VAN ACCESSIBLE.
- D. ACCESSIBLE RAMPS: REFER TO SITE PLAN FOR TYPE/STYLE OF HANDICAP RAMP(S).

PROVIDE AN ACCESSIBLE ROUTE -

TO THE ACCESSIBLE ENTRANCE

REFER TO SITE PLAN FOR RELATED DIMENSIONS

HANDICAP CURB RAMP TO -

BE LOCATED AT END OF

MUST BE LOCATED WITHIN

AISLE. LANDING AREA

THE WIDTH OF THE AISLE.

WHITE HANDICAP -

SYMBOL (3' OR 5'

HIGH) AS REQUIRED.

TO THE BUILDING.

ADA RESERVED

PARKING SIGNAGE

RAMP LANDING RAMP

ACCESSIBILITY AISLE TO BE

TO PROHIBIT PARKING

- ACCESSIBILITY AISLE:

WHICH IS 8' WIDE.

5' WIDE MINIMUM WHEN SERVING

CAR AND VAN PARKING SPACES.

8' WIDE IF SERVING VAN PARKING SPACE(S)

STRIPED/MARKED AS REQUIRED

TANDARD STAL

REFER TO SITE

SINGLE ---

= FINISHED GRADE OF

SPACE(S) AND

PAVEMENT IN HC PARKING

ACCESSIBILITY AISLE(S)

SHALL NOT EXCEED 1:50

(2%) IN ALL DIRECTIONS

WHITE 4"

STRIPE

PLAN

E. FINISHED GRADES OF PAVEMENT IN HC PARKING AND ACCESSIBILITY AISLE SHALL NOT EXCEED 1:50 SLOPE IN ANY DIRECTION.

HANDICAP ACCESSIBILITY ROUTE NOTES

VEHICLE SPACES:

ALL ACCESSIBILITY ROUTES SHALL COMPLY WITH AND MEET APPROVED AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND LOCAL ACCESSIBILITY CODE.

- A. ACCESSIBLE ROUTES MUST CONNECT HC PARKING SPACES TO ACCESSIBLE ENTRANCES.
- B. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, RAMPS AND CURB RAMPS EXCLUDING THE FLARED SIDES. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE ADA REQUIREMENTS.
- C. THE PREFERRED LOCATION FOR ACCESSIBLE ROUTES IS IN FRONT OF THE PARKED VEHICLES.
- D. HC PARKING ACCESS AISLES MUST JOIN TO AN ACCESSIBLE ROUTE.
- E. WHEN ACCESSIBLE ROUTES CROSS VEHICULAR TRAVEL LANES, MARK THE CROSSINGS TO ENHANCE PEDESTRIAN SAFETY.
- F. ENSURE THE CLEAR WIDTH OF THE ACCESSIBLE ROUTE IS NOT OBSTRUCTED. IF NEEDED, INSTALL PARKING BLOCKS ON PARKING STALLS TO PREVENT VEHICLE OVERHANGS FROM REDUCING THE CLEAR WIDTH OF THE ACCESSIBLE ROUTE.

HANDICAP RAMP GENERAL NOTES

ALL RAMPS SHALL COMPLY WITH AND MEET APPROVED AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND LOCAL ACCESSIBILITY CODE. RAMPS:

- A. SLOPE: RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 13:1.
- B. CROSS SLOPE: CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 64:1.
- C. CLEAR WIDTH: THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36" MINIMUM.
- D. RISE: THE RISE FOR ANY RAMP RUN SHALL BE 30" MAXIMUM.
- E. HANDRAILS: RAMP RUNS WITH A RISE GREATER THAN 6" SHALL HAVE ADA COMPLIANT HANDRAILS.
- F. EDGE PROTECTION: ADA COMPLIANT EDGE PROTECTION SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH RAMP LANDING. RAMP LANDINGS:
- A. RAMPS SHALL HAVE LANDINGS AT THE TOP AND BOTTOM OF EACH RAMP RUN.
- B. SLOPE: LANDINGS SHALL BE RELATIVITY LEVEL WITH SLOPES NOT STEEPER THAN 64:1 IN ANY DIRECTION.
- C. WIDTH: THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.
- D. LENGTH: THE LANDING CLEAR LENGTH SHALL BE 60" LONG MINIMUM.
- E. CHANGE IN DIRECTION: RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60" X 60" MINIMUM

HANDICAP CURB RAMP NOTES:

ALL RAMPS SHALL COMPLY WITH AND MEET APPROVED AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND LOCAL ACCESSIBILITY CODE.

- A. SLOPE: RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 13:1.
- COUNTER SLOPE: COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL. THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITIONS SHALL BE 20:1 OR FLATTER.
- C. SIDES OF CURB RAMPS: WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10.
- D. LANDINGS: LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. RAMP LANDINGS SHALL BE 4' MIN. X 4' MIN. (5'X5' PREFERRED) WITH A 64:1 OR FLATTER CROSS SLOPE AND RUNNING SLOPE. WHILE RAMPS MAY BE SKEWED TO THE CROSSWALK, THE ENTIRE LOWER LANDING AREA MUST FALL WITHIN THE CROSS WALK THAT THE RAMP SERVES AND CANNOT BE LOCATED IN THE TRAVELED LANE OF OPPOSING TRAFFIC. THE BOTTOM EDGE OF THE RAMP SHALL CHANGE PLANES PERPENDICULAR TO THE LANDING. THE EDGE OF THE CURB SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER AND SURFACE SLOPES THAT MEET GRADE BREAKS SHALL ALSO BE FLUSH
- LOCATION: CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESS AISLES. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
- F. DIAGONAL CURB RAMPS: DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48 INCHES MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48 INCHES MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24 INCHES LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.
- ISLANDS: RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48 INCHES LONG MINIMUM BY 36 INCHES WIDE MINIMUM (48" PREFERRED) AT THE TOP OF THE CURB RAMP IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS. EACH 48 INCH MINIMUM BY 36 INCH MINIMUM (48" PREFERRED) AREA SHALL BE ORIENTED SO THAT THE 48 INCH MINIMUM LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48 INCH MINIMUM BY 36 INCH MINIMUM (48" PREFERRED) AREAS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO OVERLAP.
- H. DRAINAGE: CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP VERTICAL CHANGE IN LEVEL EXCEEDING 1/8" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.
- SURFACE TEXTURE: TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
- JOINTS: PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A 1/2" ITEM 705.03 EXPANSION JOINT FILLER AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT
- K. EXISTING SIDEWALKS: IN EXISTING SIDEWALKS, WHERE THE MAXIMUM RAMP SLOPE (13:1) IS NOT FEASIBLE DUE TO SITE CONSTRAINTS (E.G. UTILITY POLES OR VAULTS, RIGHT-OF-WAY LIMITS) IT MAY BE REDUCED AS FOLLOWS:
- 10:1 FOR A MAX. RISE OF 6", 8:1 FOR A MAX. RISE OF 3",
 - 6:1 OVER A MAX. RUN OF 2'-0" FOR HISTORIC AREAS WHERE A FLATTER SLOPE IS NOT FEASIBLE.

TO PREVENT CHASING THE GRADE INDEFINITELY, THE TRANSITION FROM EXISTING SIDEWALK TO THE SHADED CURB RAMP AREA IS NOT REQUIRED TO EXCEED 15 FEET IN LENGTH.

DETECTABLE WARNINGS:

- A. INSTALL DETECTABLE WARNING ON CURB RAMP WITH APPROVED MATERIALS. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24 INCHES DEEP MINIMUM MEASURED FROM THE BACK OF THE CURB ON THE RAMP SURFACE.
- B. INSTALL ALL PROPRIETARY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- C. THE DEPTH OF CONCRETE UNDERNEATH DETECTABLE WARNING PRODUCTS SHALL BE A MINIMUM OF 4" THICK.
- D. COLOR OF DETECTABLE WARNINGS SHOULD CONTRAST WITH SURROUNDING CONCRETE WALK AND RAMP (BLACK IS NOT AN ACCEPTABLE COLOR).



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1 03/22/2022 FOR CONSTRUCTION

03/22/2022

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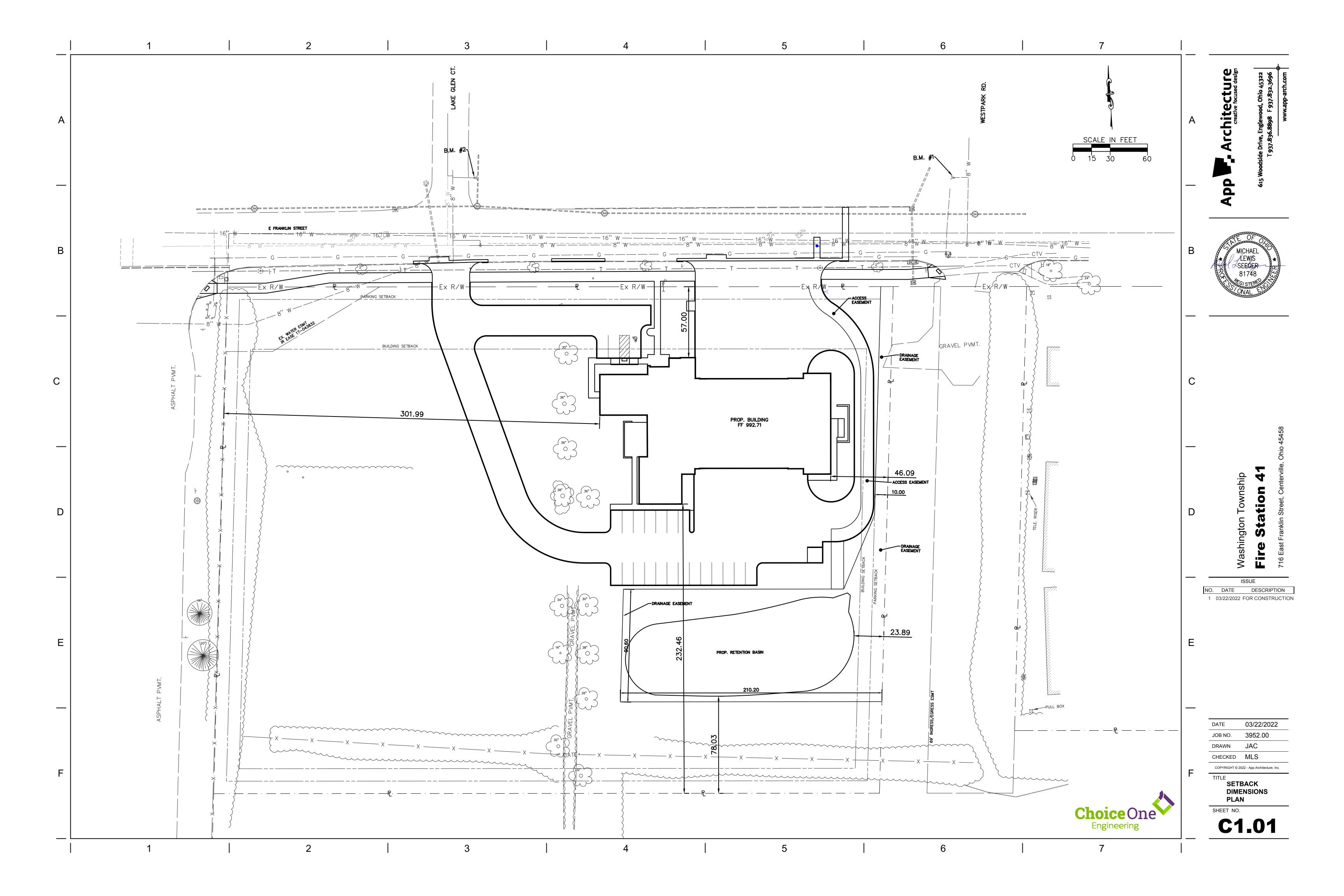
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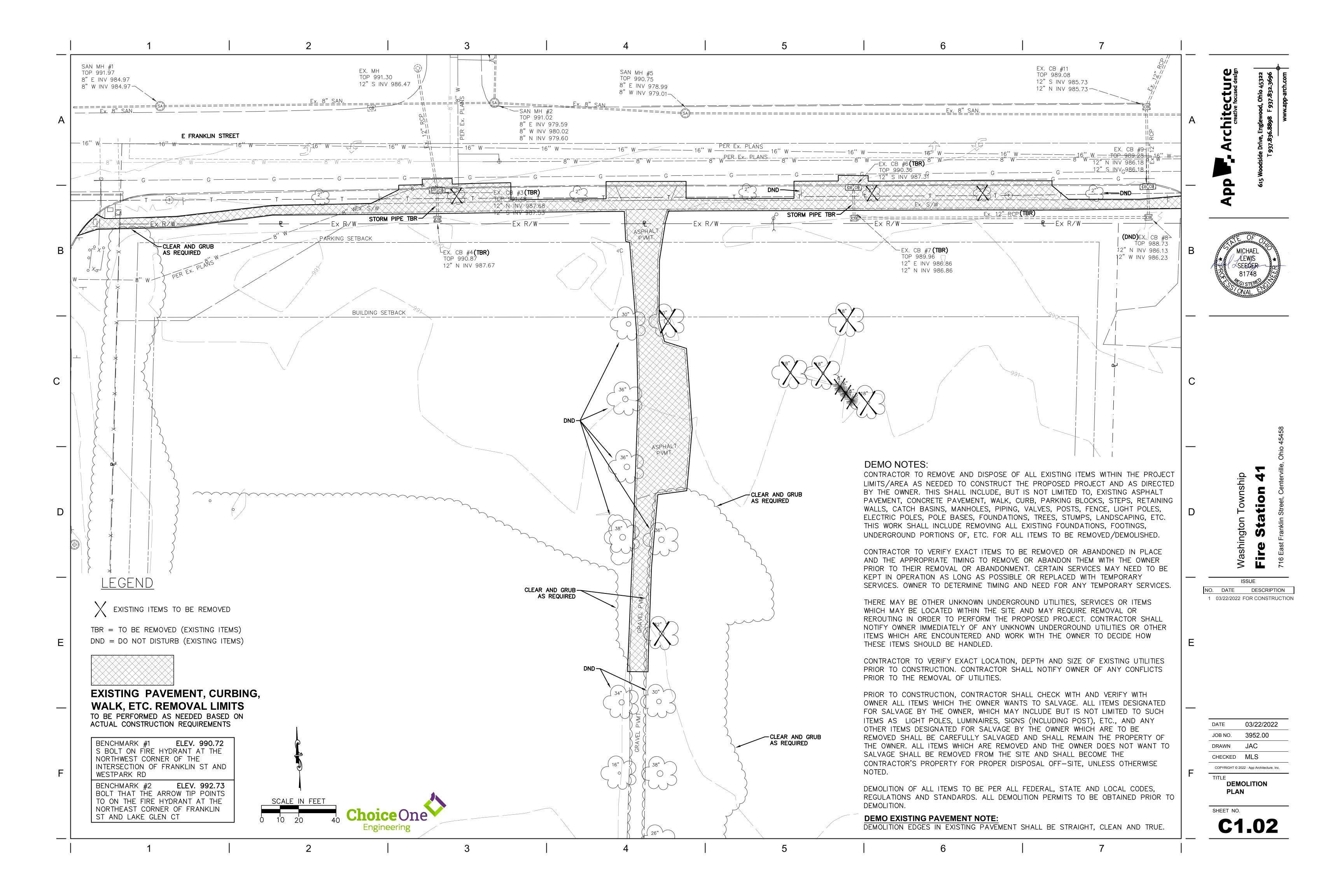
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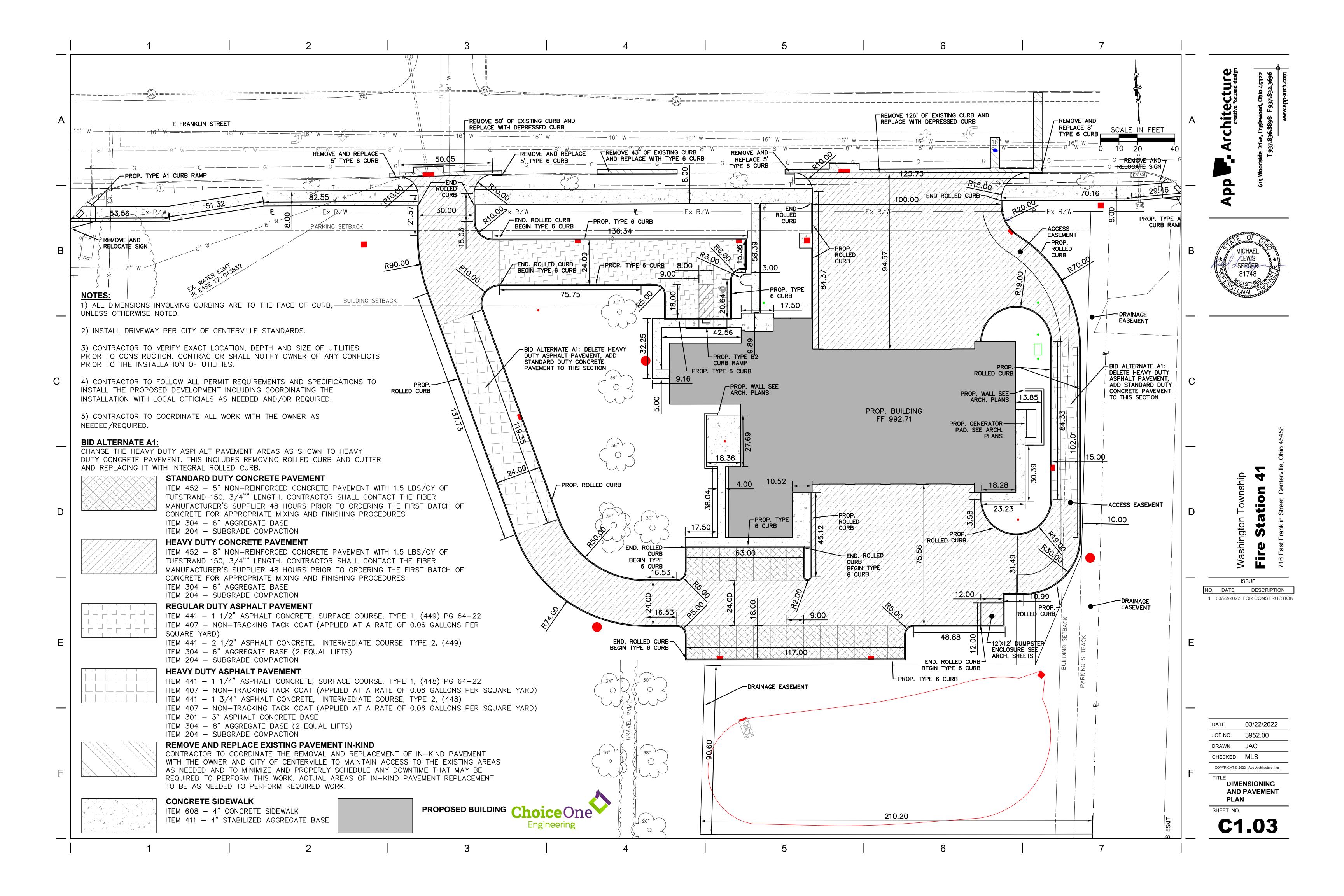
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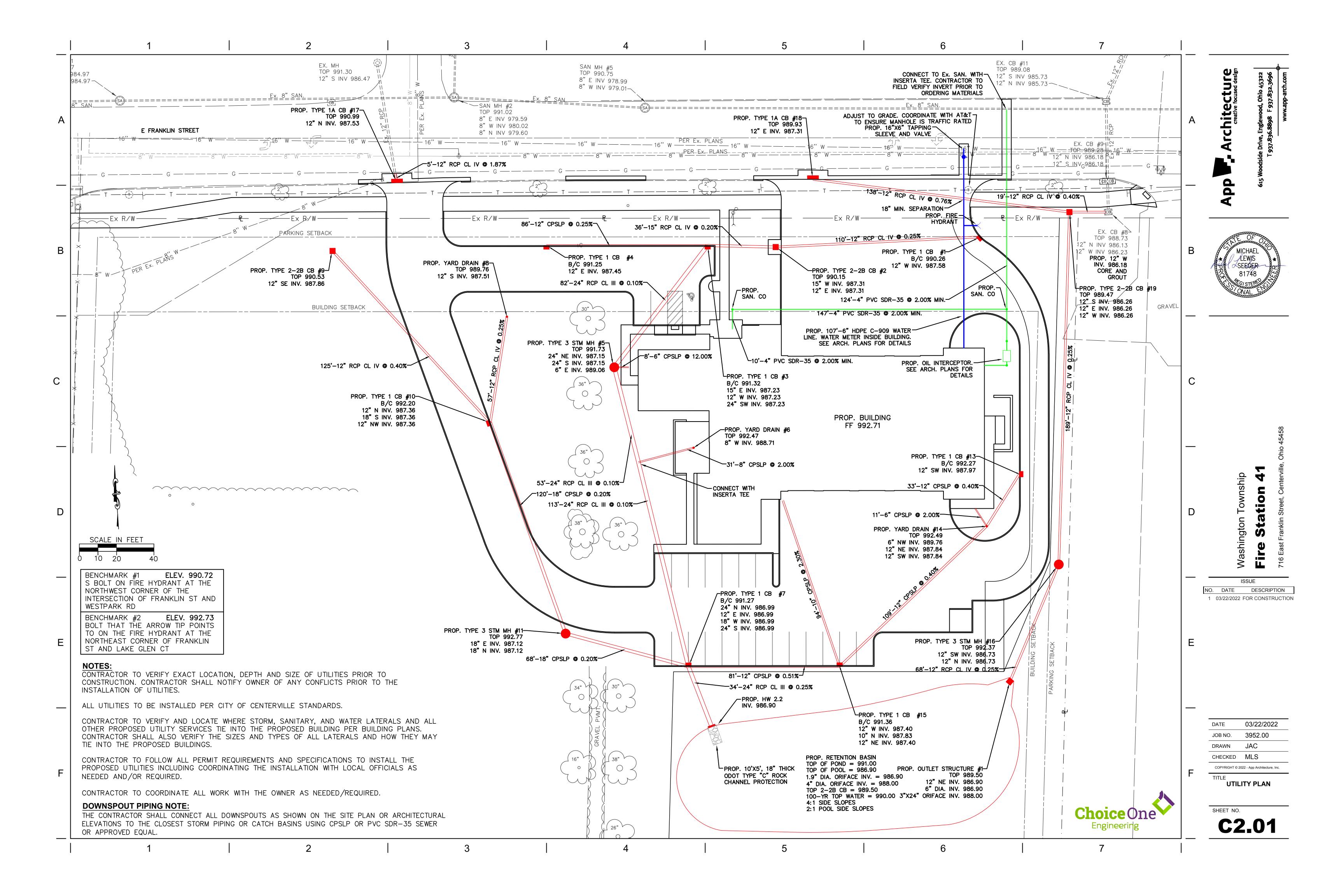
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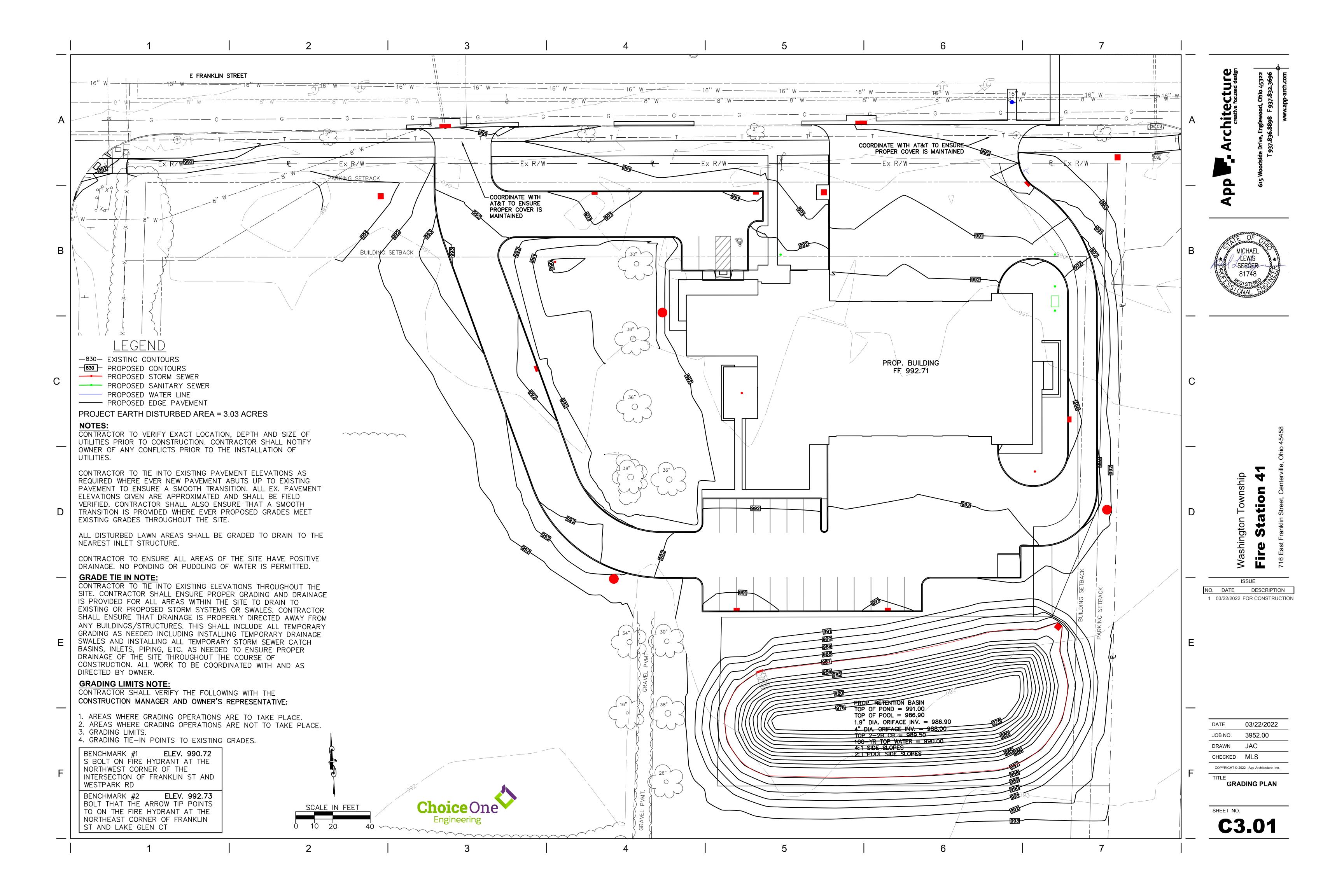
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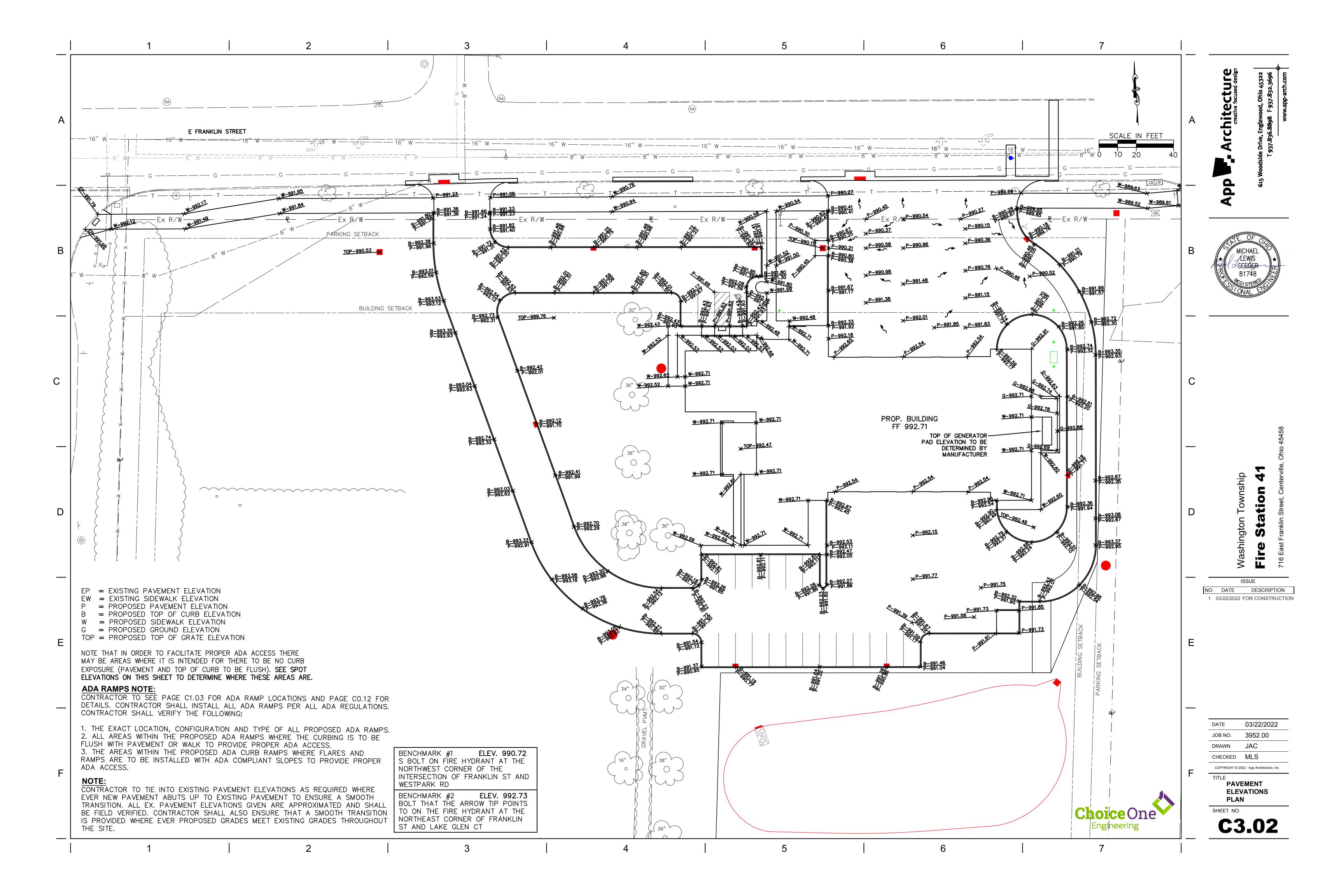


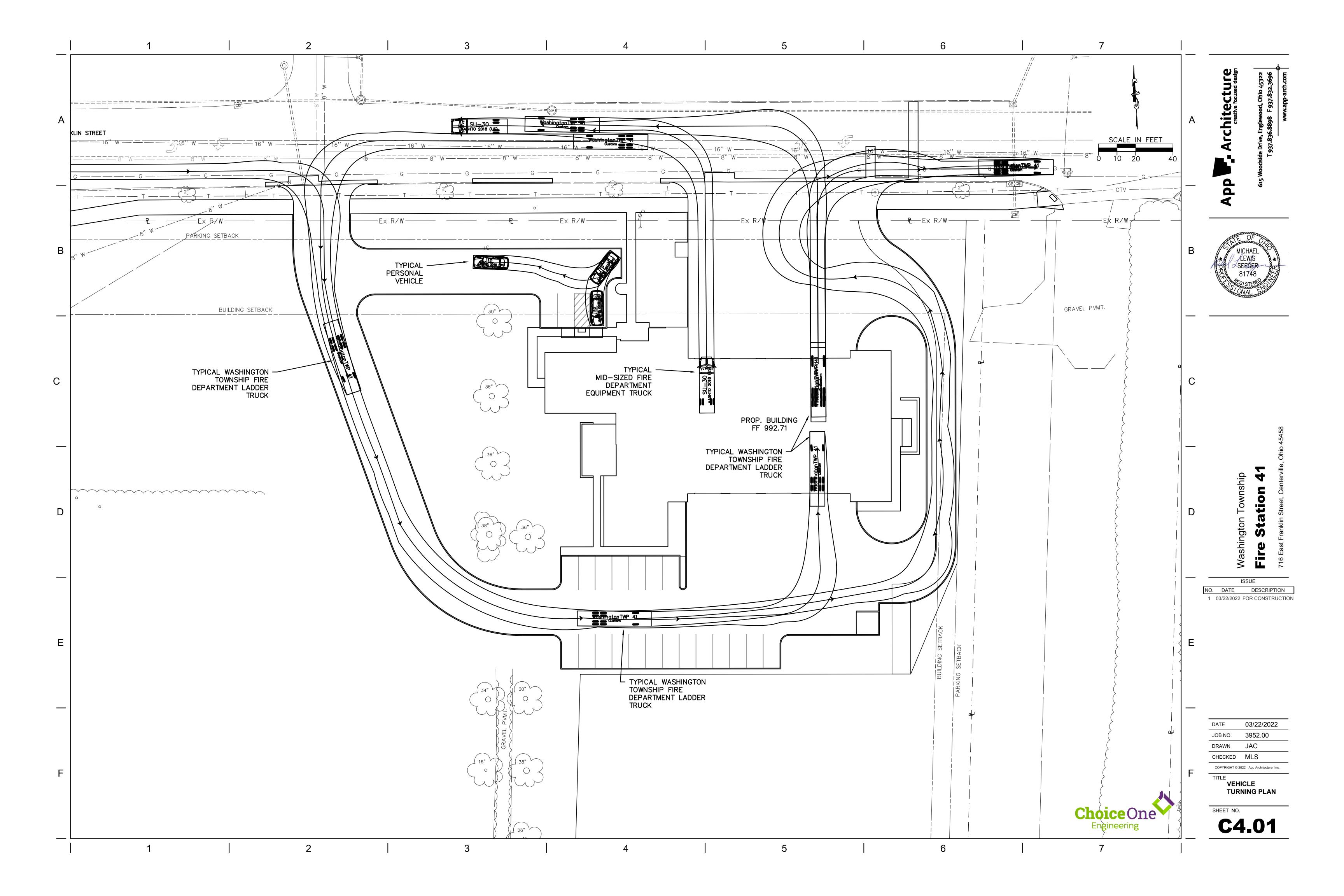


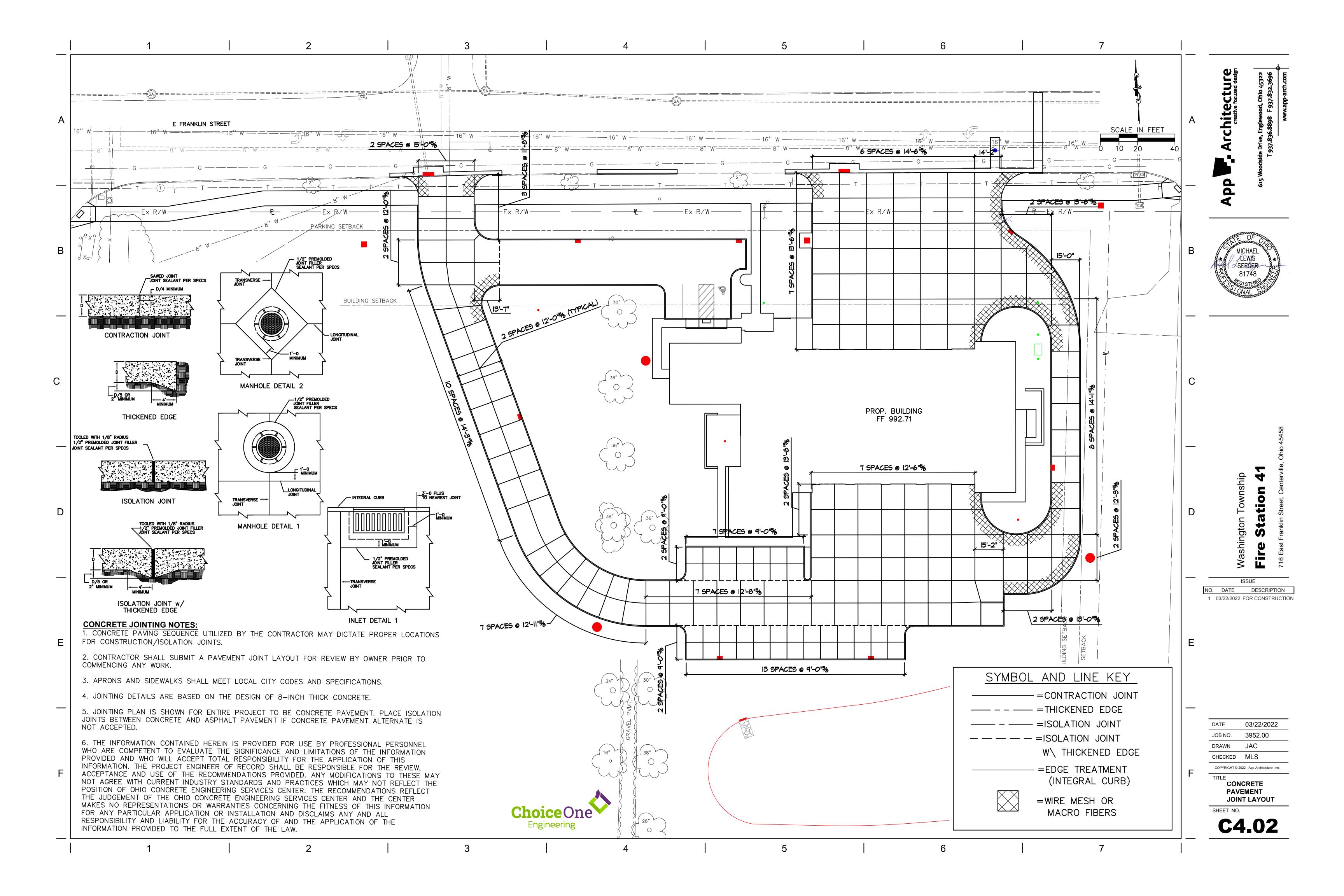












BUILDING CONSTRUCTION.

ESTIMATED COMPLETION: WINTER 2022

EROSION CONTROL NOTES

START: SPRING 2022

BMP NOTES

CONTROL PRACTICES.

UPDATES NOTE

ALL UPDATES AND AMENDMENTS TO THE SWPPP.

MAINTENANCE NOTE

PROJECT DESCRIPTION

TOWNSHIP FIRE DEPARTMENT, LOCATED ON FRANKLIN STREET WITHIN

AND AS NEEDED TO MINIMIZE SEDIMENT LADEN WATER FROM LEAVING THE SITE OR

ENTERING ANY STORM SYSTEM, ADJACENT DITCHES, STREAMS ETC. IF STORMWATER

IMMEDIATELY INSTALL THE APPROPRIATE BMP/CONTROL MEASURE AS NEEDED TO REMEDY THE SITUATION (TYP. INLET PROTECTION, FILTER FABRIC FENCE, ETC.).

BASINS, MANHOLES WITH GRATED LIDS, ETC.) AND TO ANY EXISTING STORM STRUCTURES WITHIN THE PROJECT AREA WHICH MAY RECEIVE RUNOFF FROM THE

RUNOFF CONTAINING SEDIMENTS IS FOUND TO BE LEAVING THE PROJECT SITE IN AN

CONSTRUCTION SITE AS NEEDED. INLET PROTECTION MAY CONSIST OF DEVICES SUCH

AS SEDCAGE (WWW.SEDCATCH.COM), DANDY BAGS, SEDIGUARD FILTERS, FLEXSTORM

INLET FILTERS, SEDIMENT FENCE OR OTHER DEVICES WHICH ARE EFFECTIVE AT

C. CONTRACTOR IS RESPONSIBLE FOR IMMEDIATELY CLEANING UP ANY MUD, DIRT AND

D. PRE CONSTRUCTION - CONTRACTOR IS RESPONSIBLE TO INSTALL A CONSTRUCTION

E. DURING CONSTRUCTION - THE CONTRACTOR MUST MAINTAIN EROSION CONTROL UNTIL

F. FINAL/POST CONSTRUCTION - CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED

AREAS. CONTRACTOR SHALL ENSURE GRASS IS PERMANENTLY AND PROPERLY

AREA IS STABILIZED INCLUDING TEMPORARY SEEDING AS NEEDED. CONTRACTOR SHALL TEMPORARYILY SEED ALL CRITICAL EXPOSED SLOPES TO MINIMIZE SEDIMENT RUNOFF.

ESTABLISHED IN ALL AREAS WHERE GRASS IS SPECIFIED. ALL SEDIMENT AND EROSION

CONSTRUCTION IS COMPLETE, ALL SEDIMENT FENCE, INLET PROTECTION AND ANY OTHER

CONTROL STRUCTURES, INCLUDING SEDIMENT FENCE, SHALL REMAIN IN PLACE UNTIL

GRASS IS IN PLACE AND SITE IS STABILIZED. ONCE SITE IS STABILIZED AND ALL

FOR ALL BMP'S INSTALLED, ENSURE THAT THE PONDING OF WATER BEHIND THE BMP WILL NOT DAMAGE

THE CONTRACTOR SHALL ADJUST THE SWPPP AND ITS CONTROLS/BMPS AND THEIR

QUANTITIES TO MEET FIELD CONDITIONS AND THE OHIO EPA'S NATIONAL POLLUTANT

DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION ACTIVITIES GENERAL PERMIT.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE ALL TEMPORARY AND

MAINTENANCE REQUIREMENTS. THE APPLICANT SHALL PROVIDE A DESCRIPTION OF

SWPPP AND INSPECTION AVAILABILITY AND

SEND OR RECEIVE FROM THE OEPA OR ANY OTHER GOVERNING AUTHORITIES.

MAINTENANCE PROCEDURES NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF

PERMANENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO

ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL SEDIMENT CONTROL

PRACTICES MUST BE MAINTAINED IN A FUNCTIONAL CONDITION UNTIL ALL UP-SLOPE AREAS

THEY CONTROL ARE PERMANENTLY STABILIZED. THE SWP3 SHALL BE DESIGNED TO MINIMIZE

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENSURE THE IMMEDIATE AVAILABILITY

SOLELY RESPONSIBLE TO PERFORM AND DOCUMENT ALL REQUIRED SWPPP INSPECTIONS AND

OF THE SWPPP AND INSPECTION REPORTS ON-SITE. THE CONTRACTOR SHALL ALSO BE

DOCUMENTATION AND GOVERNMENT INSPECTION

CONTRACTOR(S) SHALL PROVIDE THE OWNER'S REPRESENTATIVE A WRITTEN COPY OF THEIR

CO-PERMITTEE APPLICATION AND ANY OTHER DOCUMENTATION THE CONTRACTOR(S) MAY

IF AN INSPECTOR OR REPRESENTATIVE FROM THE OEPA OR ANY OTHER GOVERNING

PROPERTY OR POSE A SAFETY THREAT. IF PERIODIC INSPECTIONS OR OTHER INFORMATION

MUST REPLACE AND ADJUST THE CONTROL/BMP TO MEET SITE CONDITIONS AS REQUIRED.

INDICATES A CONTROL MEASURE/BMP HAS BEEN USED INAPPROPRIATELY, THE CONTRACTOR

MINIMIZING THE AMOUNT OF SEDIMENT ENTERING THE STRUCTURE.

DEBRIS WHICH IS TRACKED OR SPILLED ONTO THE ROADWAYS.

TEMPORARY BMP'S SHALL BE REMOVED FROM THE SITE.

AREA WHERE NO BMP/CONTROL MEASURE IS SHOWN OR IN PLACE, CONTRACTOR SHALL

THIS PROJECT CONSISTS OF THE CONSTRUCTION A NEW BUILDING

THE CITY OF CENTERVILLE. SITE WORK TO INCLUDE STORM SEWER,

AND ASSOCIATED DRIVES AND PARKING FOR THE WASHINGTON

SANITARY SEWER, WATER, SITE GRADING, PAVEMENT WORK AND

PROJECT WORK CONSTRUCTION DATES

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SHEET NO.

C5.01

WASHINGTON TOWNSHIP FIRE STATION 41 - SWPPP

CITY OF CENTERVILLE MONTGOMERY COUNTY, OHIO INDEX OF SHEETS

C5.01 SWPPP TITLE SHEET SWPPP GENERAL EROSION CONTROL NOTES AND DETAILS C5.02-C5.04 SWPPP SITE EROSION CONTROL PLAN C5.05

CONTACT INFORMATION

FACILITY SITE LOCATION: SOUTHWEST CORNER OF THE INTERSECTION OF E FRANKLIN STREET AND THE CENTERVILLE HIGH SCHOOL ENTRANCE, SOUTH OF LAKE GLEN CT. ZIP CODE: 45459 OWNER: WASHINGTON TOWNSHIP FIRE DEPARTMENT, SCOTT KUJAWA, 937-433-3083, 8320 McEWEN ROAD, WASHINGTON TOWNSHIP, OH 45458, scott.kujawa@washingtontwp.org SWPPP CONTACT/CONTRACTOR CONTACT - TBD

SWPPP AND INSPECTION REPORTS LOCATION

NOTE: THE SWPPP AND INSPECTION REPORTS WILL BE KEPT ON-SITE IN THE JOB TRAILER/FOREMAN'S PICK-UP

WASTE DISPOSAL NOTE

CONTAINERS (e.g. DUMPSTERS, DRUMS) MUST BE AVAILABLE FOR THE DISPOSAL OF DEBRIS, TRASH, HAZARDOUS MATERIAL AND PETROLEUM WASTES. ALL CONTAINERS MUST BE COVERED AND LEAK—PROOF.

CLEAN HARD FILL NOTE

NO CLEAN CONSTRUCTION WASTES SHALL BE DISPOSED OF INTO THE PROPERTY.

FUELING AND STAGING NOTE

CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE NO POLLUTANTS FROM THE STAGING/STORAGE AREA LEAVE THE SITE OR ENTER ADJACENT SURFACE WATERS OR THE STORM SYSTEM. CONTRACTOR SHALL CLEAN UP AND PROPERLY DISPOSE OF ANY WASTE MATERIALS

SOIL STOCKPILE NOTE

CONTRACTOR'S SHALL LOCATE SOIL STOCKPILE AREAS WITHIN THE PROJECT AREA SO AS NOT TO BE WITHIN THE IMMEDIATE PROXIMITY OF ANY SURFACE WATERS OR STORM INLET STRUCTURES. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE NO POLLUTANTS FROM THE STOCKPILE AREA LEAVE THE SITE OR ENTER ADJACENT SURFACE WATERS OR THE STORM SYSTEM. THESE MEASURES MAY INCLUDE BUT SHALL NOT BE LIMITED TO INSTALLING FILTER FABRIC FENCE AROUND STOCKPILE, TEMPORARILY COVERING THE STOCKPILE AND/OR TEMPORARILY SEEDING THE STOCKPILE.

DEWATERING NOTE

PUMPING OF SEDIMENT LADEN WATER FROM TRENCHES OR ANY OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, DITCH OR STREAM CORRIDORS. ANY WETLANDS OR STORM SEWERS IS PROHIBITED. ALL SUCH WATER SHALL BE PROPERLY FILTERED OR SETTLED TO REMOVE SOIL PARTICLES PRIOR TO ITS RELEASE. IF AN AREA OF THE SITE OR TRENCH NEEDS DEWATERED, IT SHOULD BE PUMPED FROM A SUMP PIT WITH A SOCK FILTER OR OTHER TYPE OF FILTERING DEVICE ON THE DISCHARGE OF THE HOSE. DO NOT ALLOW DISCHARGED WATER TO PASS OVER DISTURBED GROUND. IF THE DISCHARGE WATER IS BEING PUMPED INTO A SEDIMENT POND THEN NO FILTER IS REQUIRED AT THE END OF THE HOSE. IF THE GROUNDWATER MUST BE LOWERED, THE WATER MAY BE FREELY DISCHARGED AS LONG AS THE WATER REMAINS CLEAN. DO NOT CO-MINGLE CLEAN GROUND WATER WITH SEDIMENT LADEN WATER OR DISCHARGE IT BY ALLOWING IT TO PASS OVER DISTURBED GROUND.

LOG/DOCUMENTATION SHEETS

AS PART OF THE SWPPP, THE CONTRACTOR SHALL MAINTAIN LOG/DOCUMENTATION SHEETS FOR THE FOLLOWING: 1) A SIGNATURE LOG CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE SWPPP AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE SWPPP.

2) A GRADING AND STABILIZATION LOG DOCUMENTING THE PROJECTS GRADING AND STABILIZATION ACTIVITIES AND 3) A SWPPP AMENDMENT LOG DOCUMENTING CHANGES/AMENDMENTS TO THE SWPPP, WHICH OCCUR AFTER CONSTRUCTION ACTIVITIES COMMENCE.

Choice One Engineering

440 E. HOEWISHER ROAD | SIDNEY, OHIO 45365 | 937.497.0200

www.CHOICEONEENGINEERING.com

SWPPP NOTE

E FRANKLIN ST

FIRE DEPARTMENT FOR THE PERFORMANCE OF THE WASHINGTON TOWNSHIP FIRE STATION 41 PROJECT IN FOR MEETING ALL STORM WATER POLLUTION PREVENTION REQUIREMENTS. WASHINGTON TOWNSHIP FIRE DEPARTMENT AND THE SELECTED CONTRACTOR SHALL BE THE RESPONSIBLE PARTY IN CHARGE OF THE SWPPP AND ASSOCIATED BMP'S.

SITE DATA

LOCATION SOIL TYPES	XENIA AND FINCASTLE SILTY LOAMS
EARTH DISTURBED AREA	3.03 ACRES
PROPOSED IMPERVIOUS AREA ADDED:	1.26 ACRES
PRE-CONSTRUCTION RUNOFF COEFFICIENT:	0.30
POST-CONSTRUCTION RUNOFF COEFFICIENT:	0.50
DESCRIPTION OF PRIOR LAND USE	EMPTY GRASS LOT/AGRICULTURAL FIELD
EXISTING QUALITY OF DISCHARGE FROM SITE_	UNTREATED IMPERVIOUS RUNOFF
IMMEDIATE RECEIVING WATERS:	ON-SITE DETENTION
SUBSEQUENT RECEIVING WATERS:	CITY STORM SEWER

VICINITY MAP

WATERS EDGE NOTE

_ATITUDE **39.628396°** LONGITUDE **-84.144937°**

ALL MATERIAL AND EQUIPMENT STAGING OR STORAGE AREAS, DEWATERING AREAS, CONCRETE TRUCK WASH OUT AREAS, CONSTRUCTION ACCESS LOCATIONS, AND VEHICLE FUELING AND REFUELING LOCATIONS MUST BE LOCATED A MINIMUM OF 100' FROM ANY CREEK/RIVER/STREAM WATERS EDGE.

CLEAN STORM SYSTEM NOTE

IMMEDIATELY PRIOR TO FINAL COMPLETION OF THE PROJECT, CONTRACTOR SHALL ENSURE THE ENTIRE STORM SYSTEM, INCLUDING BUT NOT LIMITED TO, THE DETENTION/RETENTION BASIN(S), CATCH BASINS, MANHOLES, PIPING, UNDERDRAINS AND UNDERDRAIN TRENCHES ARE FREE FROM SEDIMENTATION AND OTHER POLLUTANTS AND FOREIGN MATERIALS AND ARE TO BE CLEANED AS NEEDED TO ENSURE MAXIMUM STORMWATER QUALITY AND FULL FUNCTIONALITY.

OFFSITE CONSTRUCTION ACTIVITIES

IT IS EXPECTED ALL CONSTRUCTION ACTIVITIES WILL TAKE PLACE ON SITE.

SPILL REPORTING REQUIREMENTS

IN THE EVENT OF A SMALL RELEASE (LESS THAN 25 GALLONS) OF PETROLEUM WASTE, SPECIAL HANDING PROCEDURES MUST BE USED. IN THE EVENT OF A LARGE RELEASE (25 GALLONS OR MORE) OF PETROLEUM WASTE, YOU MUST CONTACT THE OHIO EPA (AT 1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.

VEHICLE FUELING

VEHICLE FUELING AND MAINTENANCE WILL BE PERFORMED VIA A SMALL REFUEL TANK ON THE BACK OF A PICK-UP TRUCK.

OPEN BURNING NOTE

OPEN BURNING IS NOT PERMITTED IN THE CORPORATION LIMIT.

AUTHORITY IS ON-SITE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND NOTIFY THE 8956 GLENDALE MILFORD ROAD, SUITE 1 ● LOVELAND, OHIO 45140 ● 513.239.8554 OWNER'S REPRESENTATIVE.

MARCH 22, 2022

SPECIFICATIONS FOR TEMPORARY SEEDING

NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED

A. TO MINIMIZE COSTS OF TEMPORARY STABILIZATION, LEAVE NATURAL COVER IN PLACE FOR AS LONG AS POSSIBLE. ONLY DISTURB AREAS YOU INTEND TO WORK WITHIN THE NEXT 14

B. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.

C. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. HOWEVER, TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.

D. SOIL AMENDMENTS - APPLICATIONS OF TEMPORARY VEGETATION SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. SOIL TESTS SHOULD BE TAKEN ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.

E. SEEDING METHOD — SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY PLACED USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING

A. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOIL CONDITIONS AND ON VERY FLAT AREAS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

- STRAW IF STRAW IS USED, IT SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/ACRE OR 90 LBS./1,000 SQ. FT. (TWO TO THREE BALES) THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND SPREAD TWO 45 LBS. BALES OF STRAW IN EACH SECTION.
- HYDROSEEDERS IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2,000 LB/AC. OR 46 LBS./1,000 SQ. FT. OTHER — OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED
- ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS/AC.
- STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
- -MECHANICAL A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED, BUT GENERALLY, BE LEFT LONGER THAN 6". -MULCH NETTINGS - NETTINGS SHALL BE USED ACCORDING TO THE
- MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATION RUN OFF AND ON CRITICAL SLOPES. -SYNTHETIC BINDERS - SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70. PETROSET. TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- -WOOD CELLULOSE FIBER WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LBS./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LBS./1000 GAL.

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50' OF A SURFACE WATER OF THE STATE (STREAM, WATERWAY, WATER BODY, ETC.) AND NOT AT FINAL GRADE.	WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN 1 YEAR,	WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
AND NOT WITHIN 50' OF A SURFACE WATER OF THE STATE (STREAM, WATERWAY, WATER BODY, ETC.)	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST 7 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED.

PERMANENT STABILIZATION

ODOT ITEM 659 SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE), AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF THE WORK AS DESCRIBED IN OHIO DEPARTMENT OF TRANSPORTATION ITEM 659, SEEDING AND MULCHING, EXCEPT AS HEREIN MODIFIED.

ALL DISTURBED AREAS OR AREAS DESIGNATED FOR SEEDING SHALL BE GRADED AND SEEDED AND SHALL HAVE A MINIMUM OF 6" OF TOPSOIL OVER THE ENTIRE AREA. TESTING THE PH OF ANY EXISTING OR IMPORTED TOPSOIL PER ODOT 659.02 SHALL BE WAIVED. THE AREA SHALL BE HAND-RAKED AND DRESSED READY FOR SEEDING. NO STONE OVER 1" IN SIZE PERMITTED IN THE TOP 6".

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL.

IT'S THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE THE REQUIRED GERMINATION RATES AND ENSURE THE GRASS IS ESTABLISHED TO THE SATISFACTION OF THE OWNER WHICH MAY REQUIRE WATERING, REGRADING/ADDING TOPSOIL AND RESEEDING. ANY AREAS THAT HAVE ERODED OR WHERE NEW GRASS DID NOT GERMINATE SHALL BE ADDRESSED BY THE CONTRACTOR UNTIL THE AREAS ARE STABILIZED, SHAPED, AND DRAINED, AS INDICATED

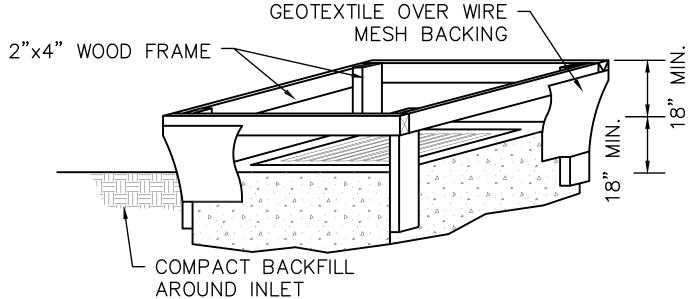
ANY DISTURBED AREA, OUTSIDE OF THE PROJECT WORK LIMITS, CAUSED BY THE CONTRACTOR'S WORK, SHALL BE RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER AND PROJECT OWNER'S REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE.

THIS ITEM INCLUDES: TOPSOIL, SEEDING, MULCHING, COMMERCIAL FERTILIZER, WATER, AND REPAIR SEEDING AND MULCHING.

THE ABOVE SHALL BE INCIDENTAL TO THE PROJECT.

INLET PROTECTION FOR STORM STRUCTURES W/ GRATE

INLET PROTECTION MAY CONSIST OF SEDIMENT FENCE AND/OR DEVICES SUCH AS FLEX STORM INLET FILTERS, SEDCAGE (WWW.SEDCATCH.COM), DANDY BAGS, SEDIGUARD FILTERS, OR OTHER DEVICES (ALTERNATE PRODUCTS WHOSE PERFORMANCE IS EQUAL TO OR EXCEEDS THOSE LISTED) WHICH ARE EFFECTIVE AT MINIMIZING THE AMOUNT OF SEDIMENT ENTERING THE STRUCTURE . INSTALL INLET PROTECTION ON ALL PROPOSED YARD DRAINS CATCH BASINS AND MANHOLES WITH GRATED LIDS AND TO ALL EXISTING STORM STRUCTURES WITH GRATED LIDS WITHIN THE PROJECT AREA WHICH MAY RECEIVE RUNOFF FROM THE CONSTRUCTION SITE.

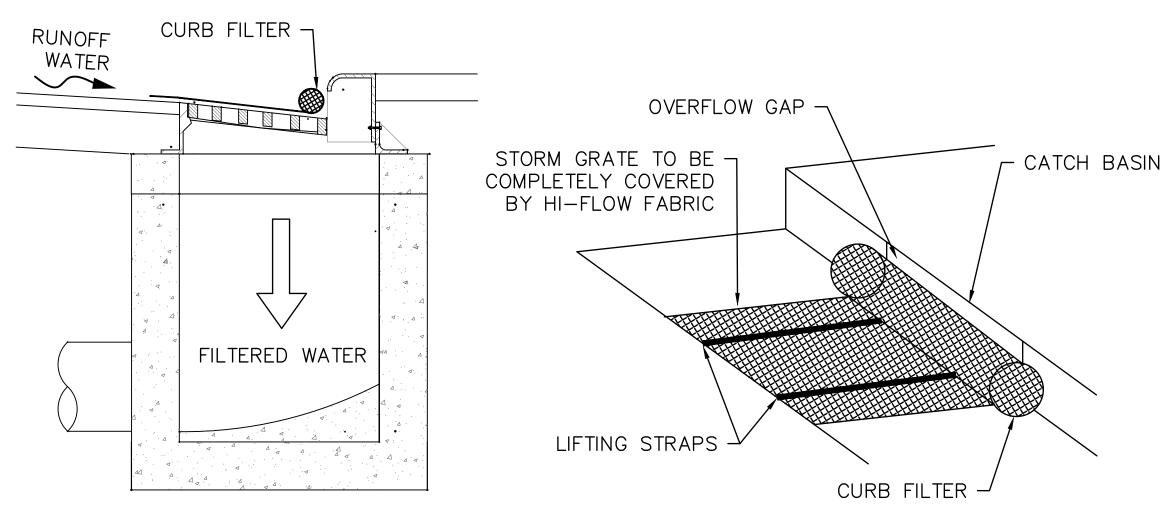


NOTES

A. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.

- B. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH OF AT LEAST 18".
- C. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2" BY 4" CONSTRUCTION GRADE LUMBER. THE 2" BY 4" POST SHALL BE DRIVEN 1' INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2" BY 4" FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6" BELOW ADJACENT ROAD, IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
- D. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
- GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAY ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
- BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
- G. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION, AND IF RUNOFF BY PASSING THE INLET WILL NOT FLOW TO A SETTING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.

INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS



NOTES

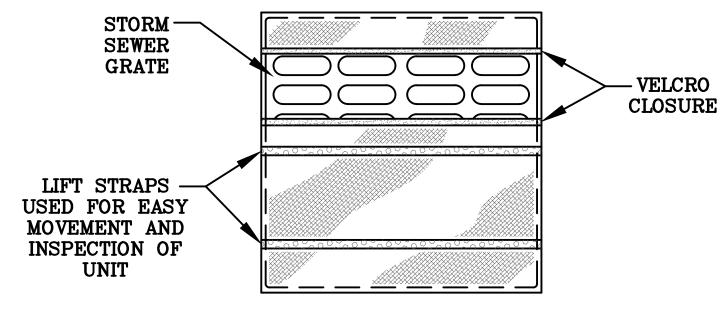
A. DANDY CURB BAG, SEDIGUARDS, OR ALTERNATE PRODUCT WHOSE PERFORMANCE IS EQUAL TO OR EXCEEDS THOSE LISTED MAY BE USED.

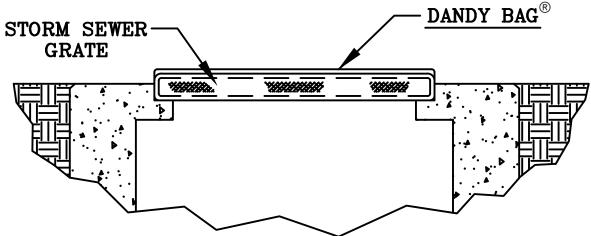
- B. REMOVE SEDIMENT FROM CURB INLET PROTECTION BEFORE IT HINDERS THE FILTERING CAPACITY. - DANDY CURB BAG: LIFT GRATE AND REMOVE DANDY BAG, CLEAN ACCUMULATED SEDIMENT
 - AND REPLACE BAG AS REQUIRED BY MANUFACTURER. - SEDIGUARD: CLEAN SEDIGUARD ONCE IT IS DRY WITH A STIFF BROOM AFTER EVERY RAIN.
 - ALTERNATE PRODUCTS: CLEAN AS REQUIRED PER MANUFACTURER'S RECCOMENDATIONS

C. INLET PROTECTION SHOULD NEVER INTERFERE WITH SAFETY OF ACTIVE TRAFFIC.

CURB INLET SEDIMENT FILTER DETAIL

DANDY BAG





DETAIL OF INLET SEDIMENT CONTROL DEVICE

DANDY BAG® SPECIFICATIONS

NOTE: THE DANDY BAG® WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

HI-FLOW DANDY BAG® (SAFETY ORANGE)

GEOTEXTILE FABRIC

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (20
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (7
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	1/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec ⁻¹	2.1

*Note: All Dandy Bags® can be ordered with optional oil absorbent pillows

INLET PROTECTION - DANDY BAG

DIMENSIONS OF ROCK CHANNEL PROTECTION TO BE INSTALLED AS SHOWN ON SITE PLAN 18" MIN THICKNESS ODOT TYPE "C" STONE (OR AS SPECIFIED) SURROUNDING GROUND

IF SPECIFIED **ROCK CHANNEL PROTECTION DETAIL FOR PIPE OUTLET**

Engineering



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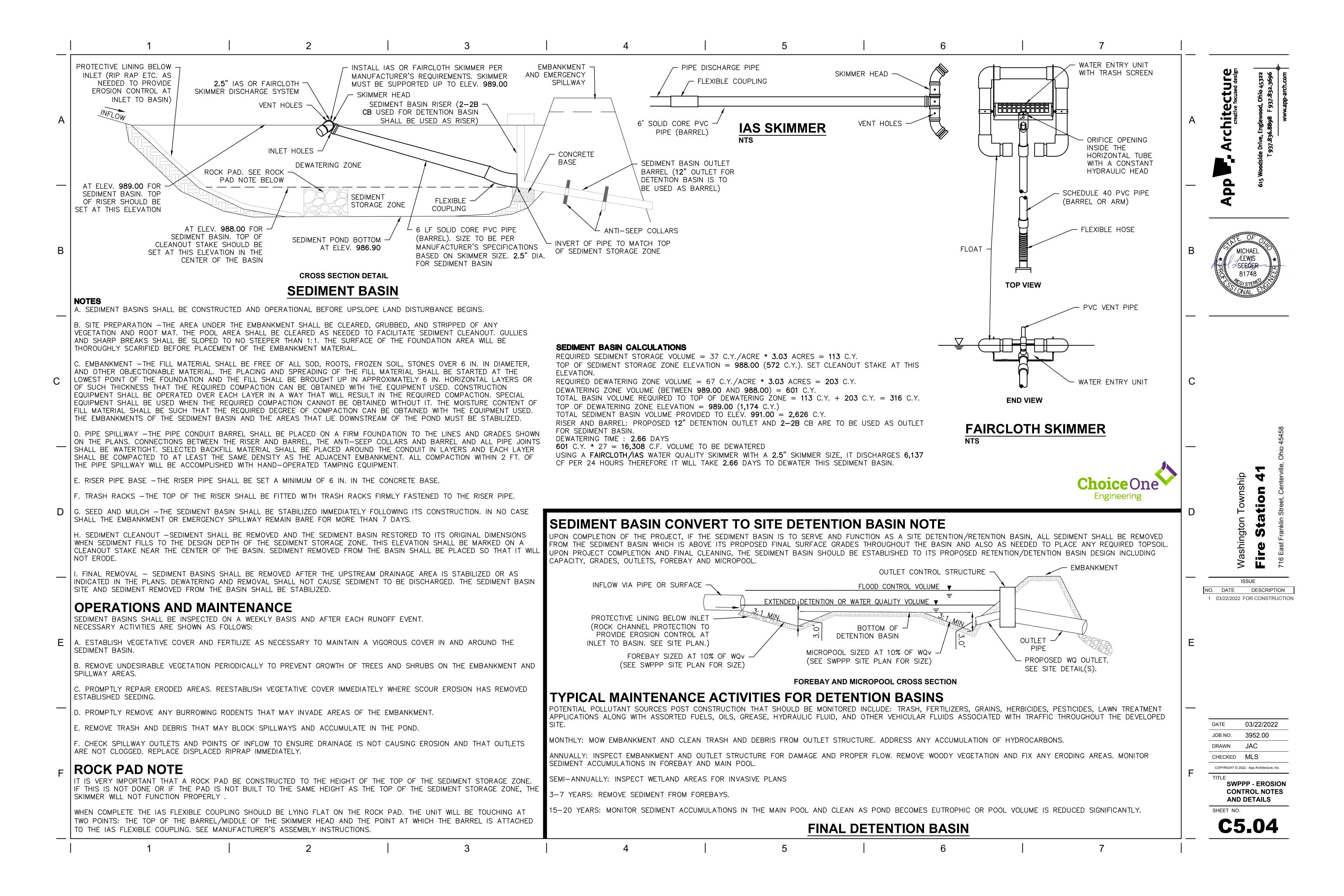
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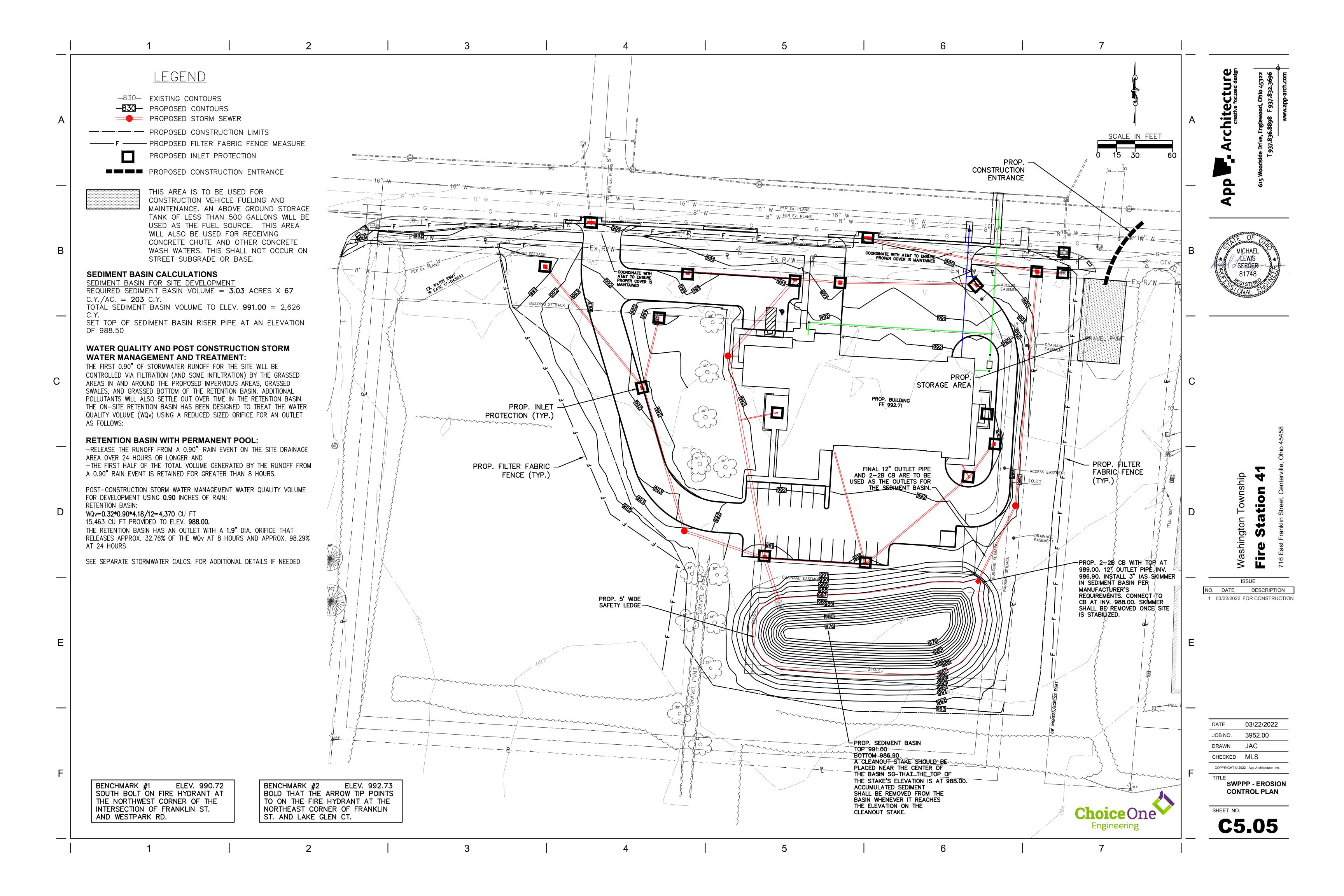
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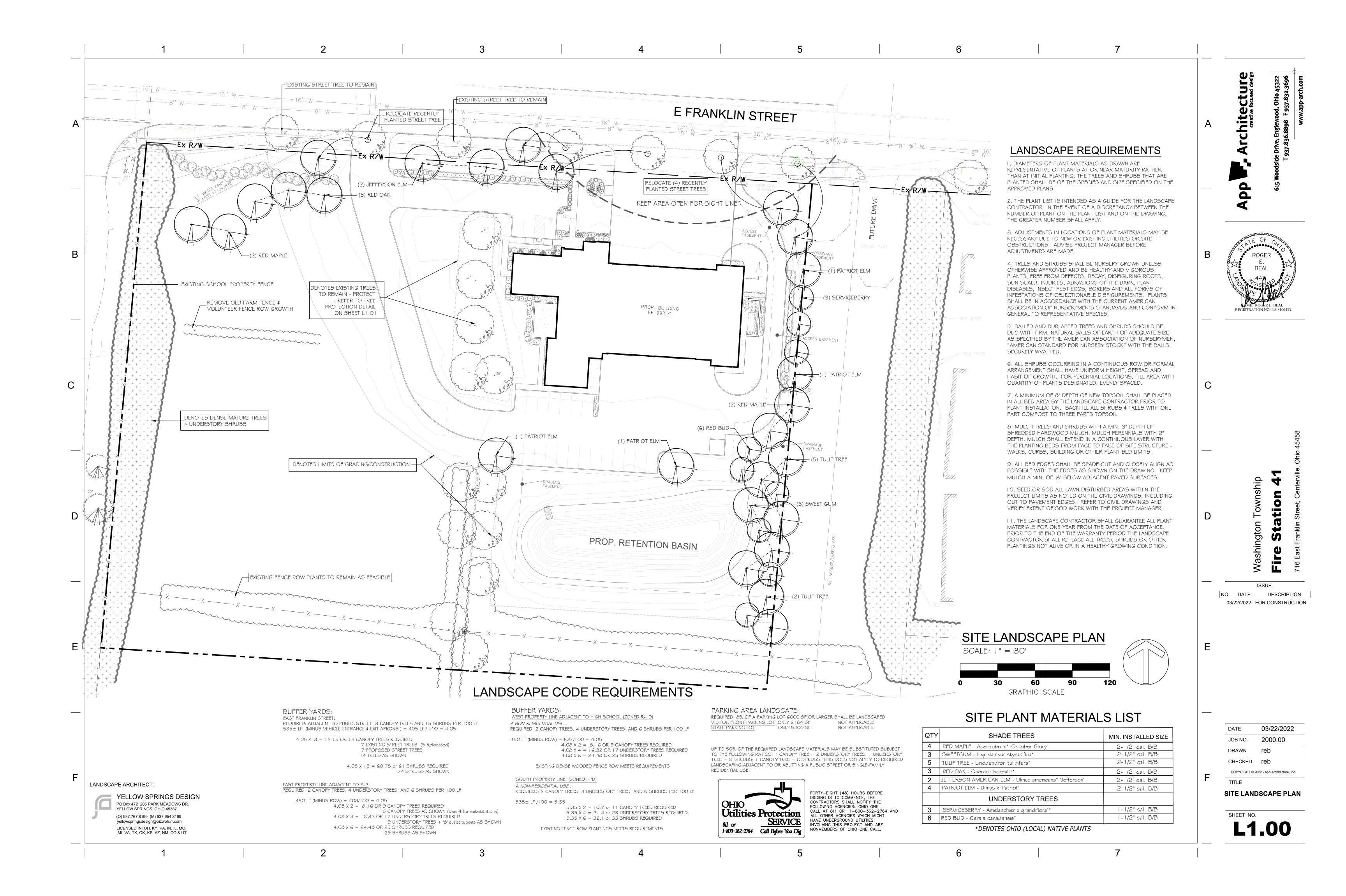
> **SWPPP - EROSION CONTROL NOTES**

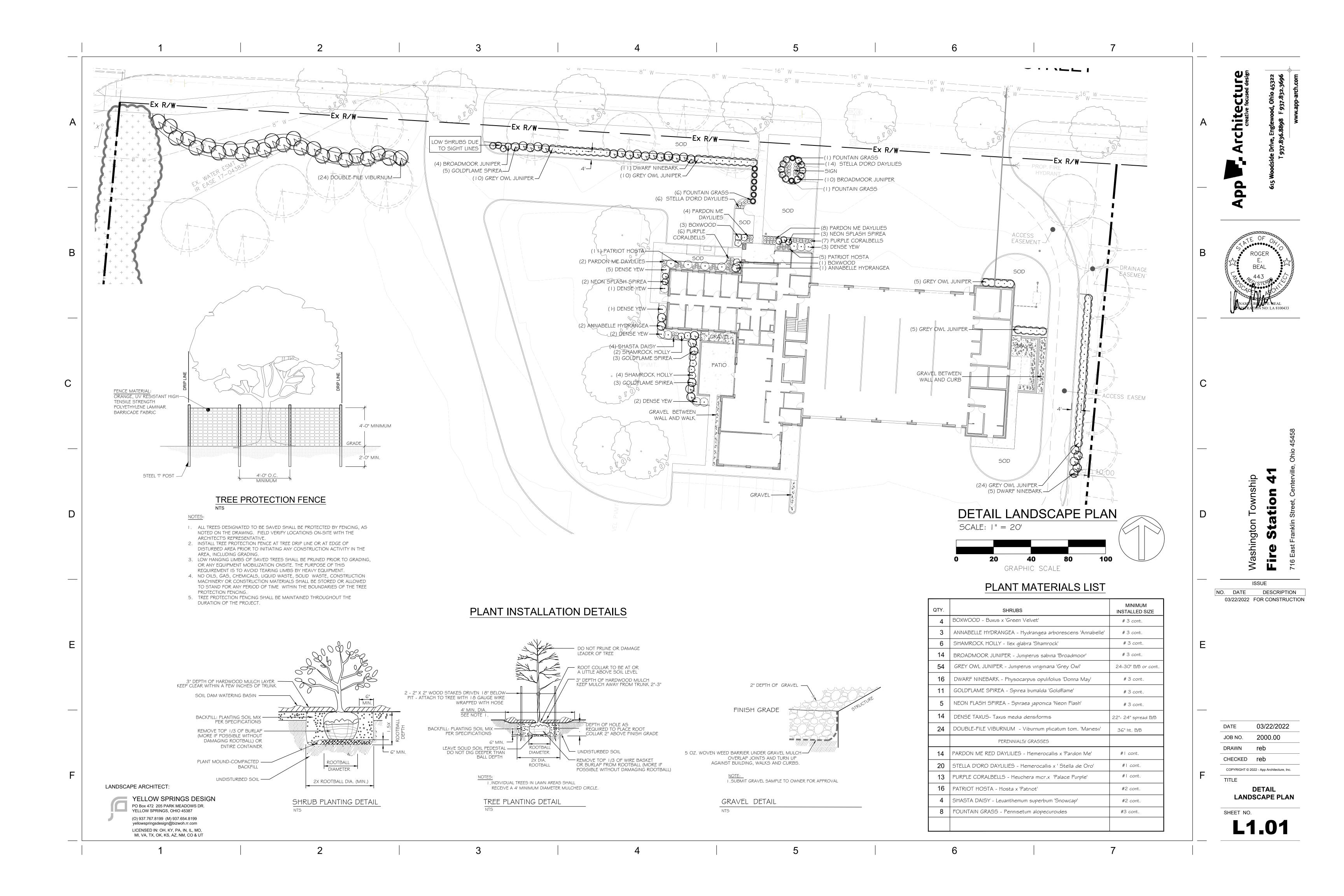
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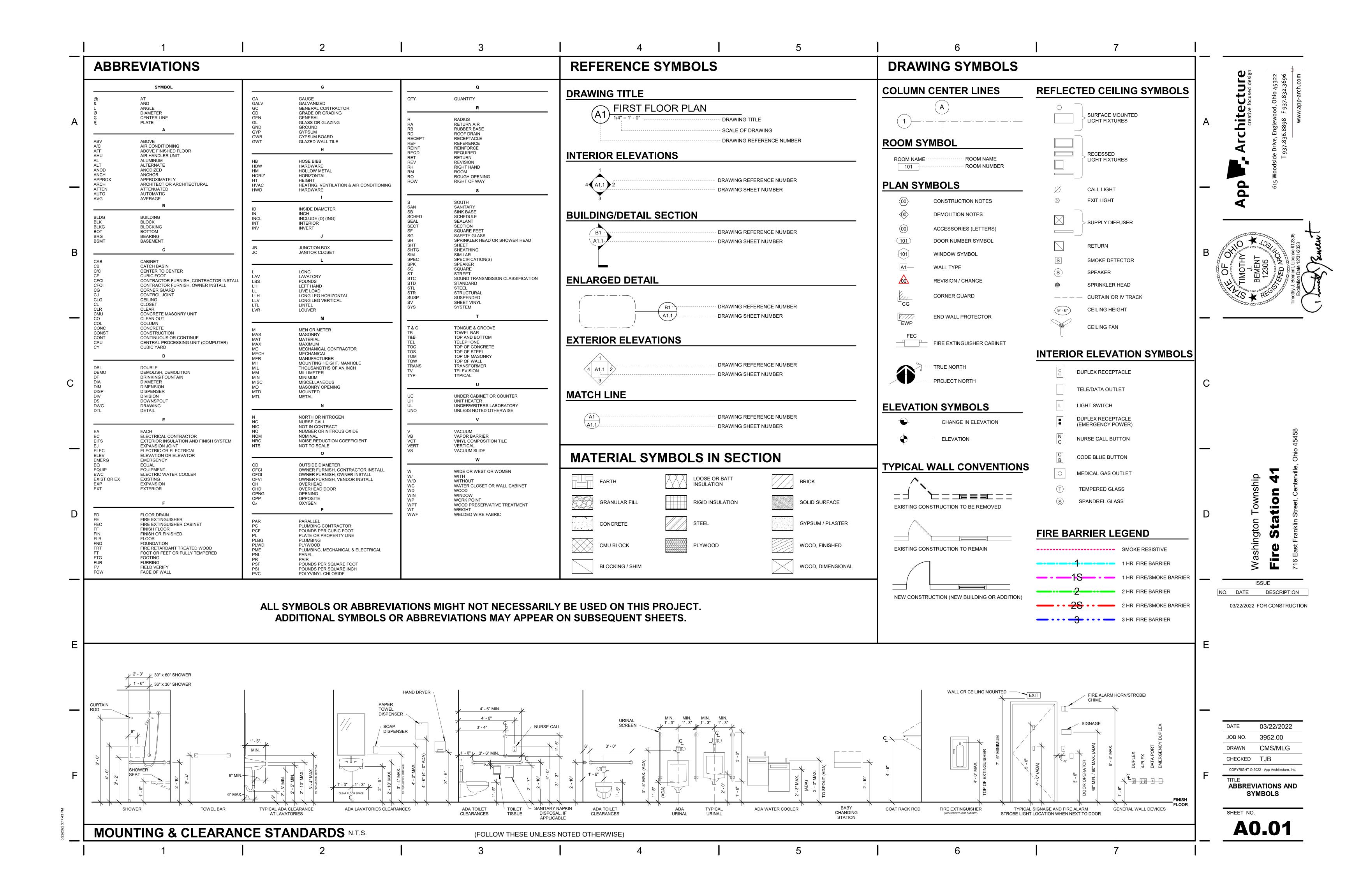
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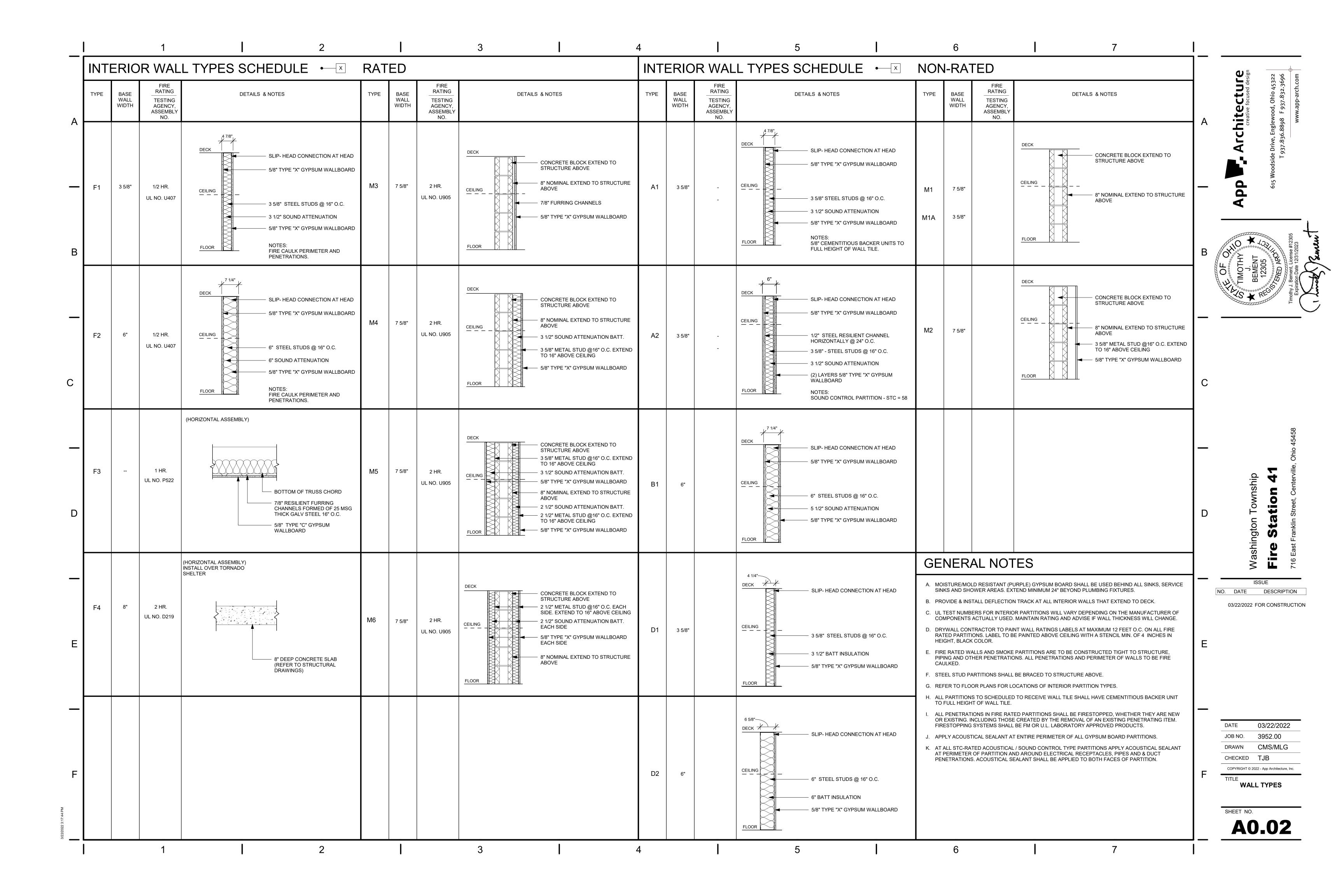




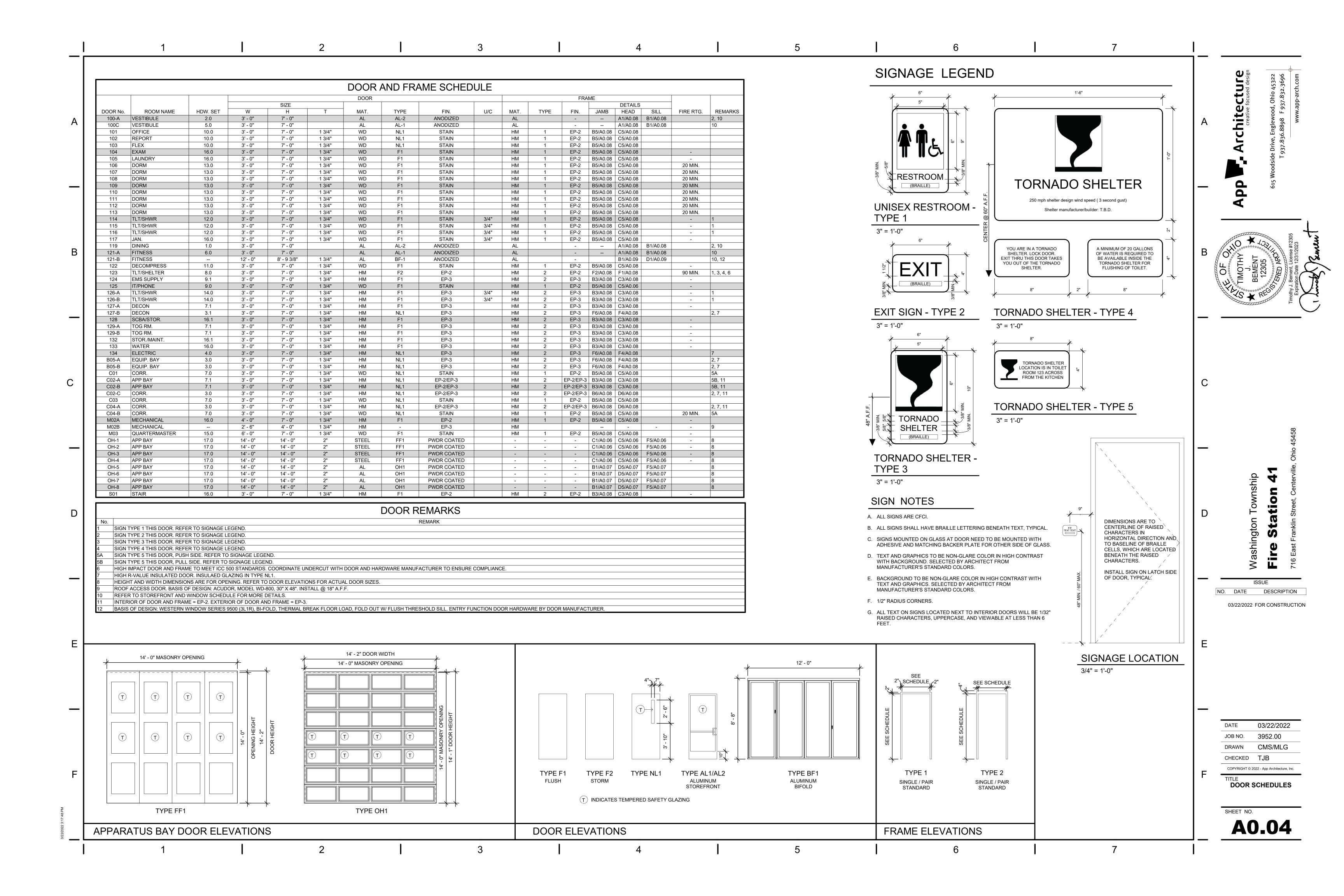


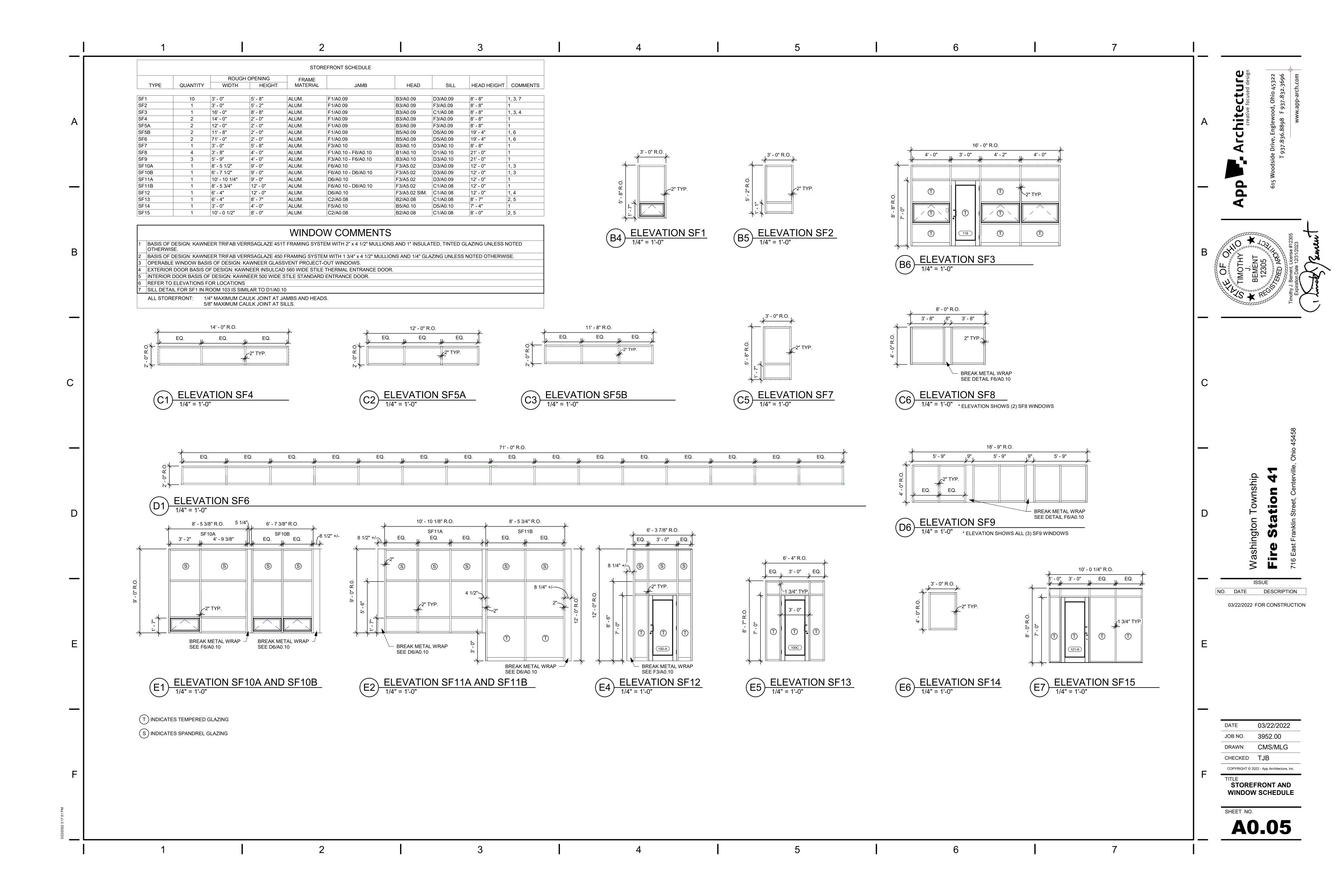


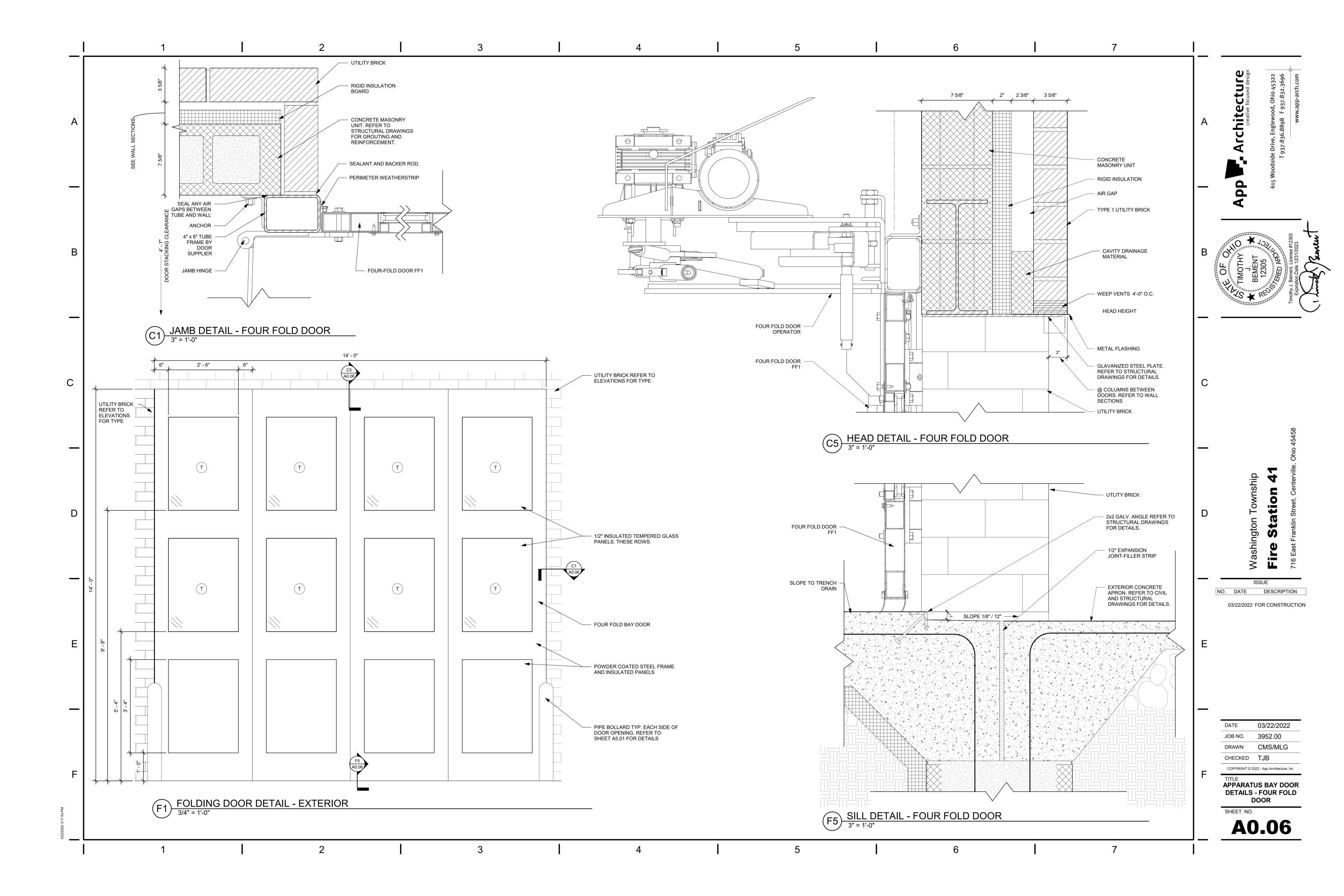


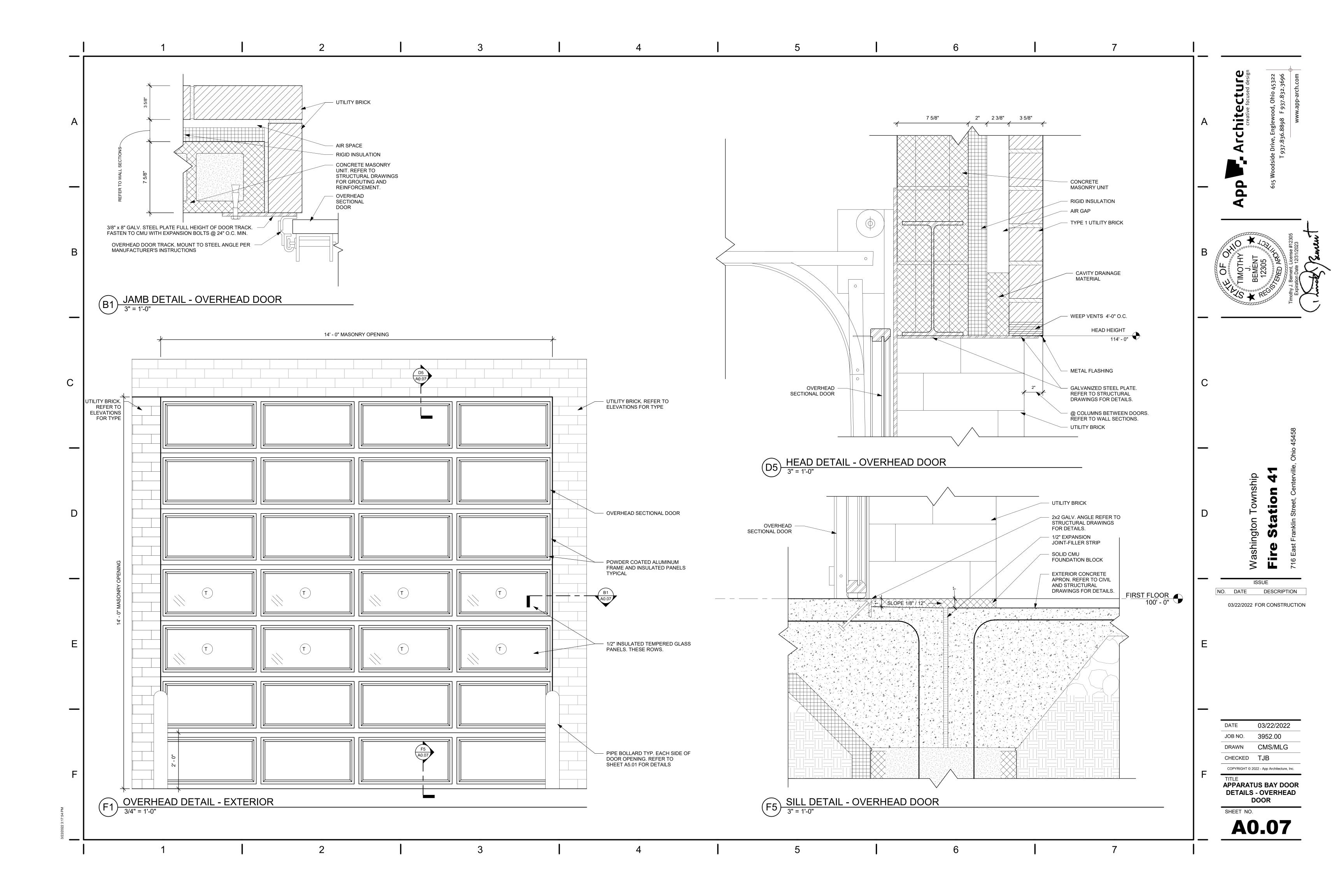


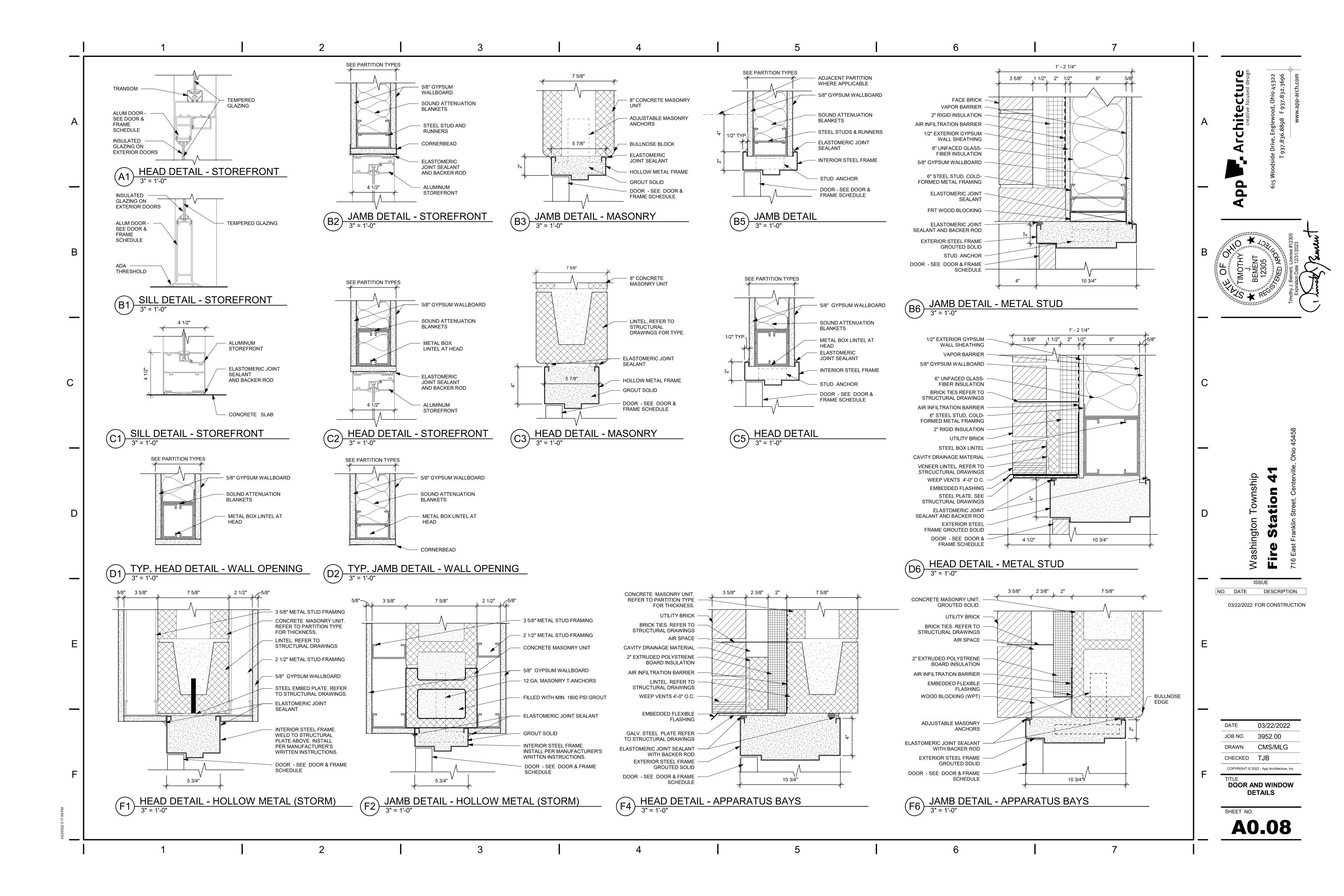
ROOM FINISH SCHEDULE	 E REMARKS			ROOM	FINISH SCHEDULE		
REMARK R TO INTERIOR ELEVATIONS AND FINISHES PLAN FOR MATERIAL CALL OUTS AND LOCATIO	ONS	ROOM ROOM		ISCOT N S	WALLS CEILING E W MAT.	REMARKS	
FEATURES A PORCELAIN TILE WALL BASE ON THREE NON-TILED WALLS. TILE BASE TO BE TILE BASE MEETS GYP. BD.		100 VESTIBULE 101 OFFICE	MAT-1 RB-3 PC RB-3	P-1 P-1 P-2 P-1	P-1 P-1 APC-1 7	T.E.III II V.C	.tc
FEATURES IMMERSIVE MURAL -FULL HEIGHT ON NORTH AND EAST WALLS. PLEASE CONT RCHITECT REVIEW.		102 REPORT 103 FLEX	PC RB-3 PC RB-3	P-1 P-1 P-1 P-1	P-1 P-1 APC-1		ec
WALL PROTECTION, THIS AREA. PANELS TO BE BUTT SEAMED, WITH COLOR MATCHED CA CEILING THIS AREA, REFER TO REFLECTED CEILING PLAN FOR LOCATION AND EXTENTS.	S.	TRIP. 104 EXAM 105 LAUNDRY	PC RB-3 PC RB-3	P-1 P-1 P-1 P-1			Creating Contraction
E FLOOR TILE ABUTS CONCRETE FLOOR, USE SCHLUTER STRIP RENO-U SATIN NICKEL AN E WALK-OFF MAT MEETS FINISHED CONCRETE FLOOR USE JOHNSONITE 1/4" MATERIAL TO	TO SUBFLOOR REDUCER. SLT178 L COLOR IRONSTONE	106 DORM 107 DORM	PC RB-3 VWP-2 PC RB-3 VWP-2	45" VWP-2/P-3 P-1 45" VWP-2/P-3 P-1	VWP-2/P-3 P-1 APC-1 1,4 VWP-2/P-3 P-1 APC-1 1,4		ןן
ELAIN TILE WALL BASE TO BE INSTALLED AS FOLLOWS: PTWB-2 TO BE USED ON TILED "WE ON WEST GYP. BD. WALL AT MEZZANINE LEVEL UP TO 48" A.F.F. REFER TO SHEET A6.01 F		109 DORM	PC RB-3 VWP-2 PC RB-3 VWP-2	45" VWP-2/P-3 P-1 45" VWP-2/P-3 P-1	VWP-2/P-3 P-1 APC-1 1,4 VWP-2/P-3 P-1 APC-1 1,4		
OFF MAT (MAT-1) AT DOORWAYS AS SHOWN ON FINISHES PLAN, SHEET A1.41.		110 DORM 111 DORM	PC RB-3 VWP-2 PC RB-3 VWP-2	45" P-1 VWP-2/ 45" P-1 VWP-2/	P-3 P-1 VWP-2/P-3 APC-1 1,4		
		112 DORM 113 DORM	PC RB-3 VWP-2 PC RB-3 VWP-2	45" P-1 VWP-2/ 45" P-1 VWP-2/	P-3 P-1 VWP-2/P-3 APC-1 1,4		
		114 TLT/SHWR 115 TLT/SHWR	PMT-1 PTWB-1/2 PMT-1 PTWB-1/2	EP-2 EP-2 EP-2 PTW-1	I-4 EP-2 EP-2 APC-1 1,2,6,8		- dd
		116 TLT/SHWR 117 JAN.	PMT-1 PTWB-1/2 PC RB-2 VWP-1	EP-2 EP-2 FH VWP-1 VWP-	1 VWP-1 VWP-1 APC-1		
		118 KITCHEN 119 DINING	PC RB-3 PC RB-3	PT-1,2,3 -	P-1/P-4 P-1 GYB/P-1 1,5 P-1/P-4 P-1 GYB/P-1/WD-1 1,5		
		120 DAYROOM 121 FITNESS	PC RB-3 RT-1 RB-3 VWP-2	P-1 P-3/WE 80" VWP-2/P-2 VWP-2/	P-2 P-1 VWP-2/P-2 APC-1 1,4		
		122 DECOMPRESS 123 TLT/SHELTER	PC RB-3 PC PTWB-1/2	VWC-1 P-1 EP-2 PTW-1	7		★
		124 EMS SUPPLY 125 IT/PHONE	SC RB-1 SC RB-1	P-1 P-1 P-1 P-1			II B ØŞŞŞ Ş
		126 TLT/SHWR 127 DECON	EFP RB-2 EFP RB-2 VWP-1	EP-1 EP-1 FH VWP-1 EP-1			OF NOT
		128 SCBA/STOR. 129 TOG RM.	SC RB-1 SC RB-2	EP-1 EP-1 EP-1			
		130 HOSE RACK 131 HOSE DRY	SC RB-1 SC RB-1	EP-1 EP-1 EP-1 EP-1	EP-1 - EXPOSED		W F M
		132 STOR./MAINT. 133 WATER	SC RB-1 SC RB-1	EP-1 EP-1 EP-1 EP-1	EP-1 EP-1 EXPOSED		
		134 ELECTRIC B01 APP BAY	SC RB-1	EP-1 EP-1 EP-1 EP-1	- EP-1 EXPOSED		_
		B02 APP BAY B03 APP BAY	SC SC	EP-1 EP-1 EP-1	EXPOSED		
		B04 APP BAY B05 EQUIP. BAY	SC SC	EP-1 EP-1 EP-1	EP-1 - EXPOSED		
		C01 CORR. C02 CORR.	PC RB-3 PC RB-3	P-1 P-2 P-1 P-1	P-2 P-2 APC-1 P-1 P-1 APC-1 1,7,10		
		C03 CORR. C04 CORR.	PC RB-3 PC RB-3	P-1 P-1 P-1 P-1			
		M01 TRAINING M02 MECHANICAL	SC RB-1 SC RB-1	P-1 P-1 P-1 P-1			
		M03 QUARTERMAS S01 STAIR		P-1 P-1 48" EP-1 EP-1			
			N	IATERIAL LEGEND)		
	ITEM MATERIAL	MANUFACTURER	MATERIAL MODEL NO.	COLOR	CONTACT INFO FLAME / SMOK	E COMMENTS	_
	BASE PTWB-1 PORCELAIN TILE WALL BASE	ODOGOVII I E	CDV42 400400DC 0114011 000/E DAGE LIDC	OLINIOV	DIANE CALARDECE 542 200 5770	TILE BASE. NON-TILED WALLS PER ELEVATIONS.	
	PTWB-1 PORCELAIN TILE WALL BASE PTWB-2 PORCELAIN TILE WALL BASE RB-1 RUBBER BASE 4"	CROSSVILLE CROSSVILLE JOHNSONITE/TARKETT	CBX13.10612CBS 6"x12" COVE BASE UPS CBX13.10612CBS 6"x12" COVE BASE UPS TSB 469 4 X 120 1/8 TOE	SLINKY BLUE SUEDE SHOES MISTIFY 469	DIANE CALABRESE, 513-309-5779 DIANE CALABRESE, 513-309-5779 TRISHA ROE-KEEL, 513.207.5309	TILE BASE. TILED WALLS PER ELEVATIONS. TILE BASE. TILED WALLS PER ELEVATIONS.	۵
	RB-2 RUBBER BASE 6" RB-3 MILLWORK	JOHNSONITE/TARKETT JOHNSOITE/TARKETT	TSB 469 6 X 120 1/8 TOE PART NUMBER MW 469 F. REVEAL 4.25"	MISTIFY 469 MISTIFY 469 MISTIFY 469	TRISHA ROE-KEEL, 513.207.5309 TRISHA ROE-KEEL, 513.207.5309 TRISHA ROE-KEEL, 513.207.5309		
	CASEWORK	JOHNOOHE/TARRETT	1 AKT NOWDER NW 4001. KEVEAL 4.20	INIOTH 1 400	TRIOTIA ROL-RELL, 010.201.0000		I W
	BB BUTCHER BLOCK COUNTER	WILSONART	7964K-12	SKYLINE WALNUT	DONNA ARIAPAD, 513.295.0038	WORK SURFACE IN ROOM 128	D P
	PL-1 PLASTIC LAMINATE						
	PL-1 PLASTIC LAMINATE PL-2 PLASTIC LAMINATE	WILSONART	4942-38	CRISP LINEN	DONNA ARIAPAD, 513.295.0038	ALL PL-2 COUNTER TOPS TO BE 1-1/4" THICK WITH PATTERN MATCHING PVC EDGE BANDING ON EXPOSED EDGES.	[]
		WILSONART LX HAUSYS HI-MACS	W103	CRISP LINEN COBBLESTONE	DONNA ARIAPAD, 513.295.0038 MICHELLE ALLEN, 513.214.9939		 ingto
	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER					BANDING ON EXPOSED EDGES.	ashingto
	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE	LX HAUSYS HI-MACS	W103	COBBLESTONE ARTIC WHITE WHITE	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 CLASS A	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127	Washingto
	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING	LX HAUSYS HI-MACS LX HAUSYS HI-MACS	W103 1612-AC	COBBLESTONE ARTIC WHITE	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127	Washingto
	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING APC-1 ACOUSTIC PANEL CEILING APC-2 ACOUSTIC PANEL CEILING	LX HAUSYS HI-MACS LX HAUSYS HI-MACS ARMSTRONG	W103 1612-AC 686 ANGLED TEGULAR	COBBLESTONE ARTIC WHITE WHITE WHITE SW7008 ALABASTER	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 JEN McCOY 513.919.2263 CLASS A ANGIE JULIAN, 317.714.5610	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127 MDOEL 1612-AC INTEGRAL ADA LAVATORY BOWL	
	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING APC-1 ACOUSTIC PANEL CEILING APC-2 ACOUSTIC PANEL CEILING EXPOSED GYB / P1 GYPSUM BOARD PAINTED WD-1 LINEAR WOOD CEILING	LX HAUSYS HI-MACS LX HAUSYS HI-MACS ARMSTRONG ARMSTRONG SHERWIN WILLIAMS ARMSTRONG	W103 1612-AC 686 ANGLED TEGULAR 868 SQUARE LAY-IN (CLEAN ROOM TYPE)	COBBLESTONE ARTIC WHITE WHITE WHITE SW7008 ALABASTER	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 JEN McCOY 513.919.2263 CLASS A ANGIE JULIAN, 317.714.5610	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127 MDOEL 1612-AC INTEGRAL ADA LAVATORY BOWL ALL EXPOSED STRUCTURE TO BE PAINTED PER SPECIFICATIONS	NO. DATE
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	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING APC-1 ACOUSTIC PANEL CEILING APC-2 ACOUSTIC PANEL CEILING EXPOSED GYB / P1 GYPSUM BOARD PAINTED WD-1 LINEAR WOOD CEILING FLOOR EFP EPOXY FLOOR PAINT MAT-1 WALK-OFF MAT PC POLISHED CONCRETE PMT-1 PORCELAIN MOSAIC TILE	LX HAUSYS HI-MACS LX HAUSYS HI-MACS ARMSTRONG ARMSTRONG SHERWIN WILLIAMS ARMSTRONG REFER TO SPECIFICATIONS SHAW CONTRACT CROSSVILLE	W103 1612-AC 686 ANGLED TEGULAR 868 SQUARE LAY-IN (CLEAN ROOM TYPE) 6440W1 WOODWORKS LINEAR VENEERED PLANKS 3.75"x96"X.7 WELCOME II TILE, 5T031 24"x24x.25" CBX13.10303UPS 3"x3" UPS (12"x12" SHEET MOUNTED MOSAIC)	COBBLESTONE ARTIC WHITE WHITE WHITE SW7008 ALABASTER NATURAL VARIATIONS WALN TBD WALNUT 31750 I SEE THE MOON	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 JEN McCOY 513.919.2263 CLASS A CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A CLASS A CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127 MDOEL 1612-AC INTEGRAL ADA LAVATORY BOWL ALL EXPOSED STRUCTURE TO BE PAINTED PER SPECIFICATIONS COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE	NO. DATE
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	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING APC-1 ACOUSTIC PANEL CEILING APC-2 ACOUSTIC PANEL CEILING EXPOSED GYB / P1 GYPSUM BOARD PAINTED WD-1 LINEAR WOOD CEILING FLOOR EFP EPOXY FLOOR PAINT MAT-1 WALK-OFF MAT PC POLISHED CONCRETE PMT-1 PORCELAIN MOSAIC TILE RT-1 RUBBER TILE / SPORTS TILE SC SEALED CONCRETE SPECIALTY CC CUBICLE CURTAIN CG-1 CORNER GUARD	LX HAUSYS HI-MACS LX HAUSYS HI-MACS ARMSTRONG ARMSTRONG SHERWIN WILLIAMS ARMSTRONG REFER TO SPECIFICATIONS SHAW CONTRACT CROSSVILLE	W103 1612-AC 686 ANGLED TEGULAR 868 SQUARE LAY-IN (CLEAN ROOM TYPE) 6440W1 WOODWORKS LINEAR VENEERED PLANKS 3.75"x96"X.7 WELCOME II TILE, 5T031 24"x24x.25" CBX13.10303UPS 3"x3" UPS (12"x12" SHEET MOUNTED MOSAIC) COMI RA5 297006725 24"x24" INTERLOCKING TILE BRONZE SERIES CUBICLE CURTAIN REFER TO SHEET A0.11 FOR DETAILS.	COBBLESTONE ARTIC WHITE WHITE WHITE SW7008 ALABASTER NATURAL VARIATIONS WALN TBD WALNUT 31750 I SEE THE MOON SPECKLED BLUESTONE SPUNK (GRAPHITE) STAINLESS STEEL	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 JEN McCOY 513.919.2263 CLASS A CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A CLASS A CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127 MDOEL 1612-AC INTEGRAL ADA LAVATORY BOWL ALL EXPOSED STRUCTURE TO BE PAINTED PER SPECIFICATIONS COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE	NO. DATE
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	PL-2 PLASTIC LAMINATE SSC STAINLESS STEEL COUNTER SSM-1 SOLID SURFACE SSM-2 SOLID SURFACE CEILING APC-1 ACOUSTIC PANEL CEILING APC-2 ACOUSTIC PANEL CEILING EXPOSED GYB / P1 GYPSUM BOARD PAINTED WD-1 LINEAR WOOD CEILING FLOOR EFP EPOXY FLOOR PAINT MAT-1 WALK-OFF MAT PC POLISHED CONCRETE PMT-1 PORCELAIN MOSAIC TILE RT-1 RUBBER TILE / SPORTS TILE SC SEALED CONCRETE SPECIALTY CC CUBICLE CURTAIN CG-1 CORNER GUARD	LX HAUSYS HI-MACS LX HAUSYS HI-MACS ARMSTRONG ARMSTRONG SHERWIN WILLIAMS ARMSTRONG REFER TO SPECIFICATIONS SHAW CONTRACT CROSSVILLE JOHNSONITE/TARKETT	W103 1612-AC 686 ANGLED TEGULAR 868 SQUARE LAY-IN (CLEAN ROOM TYPE) 6440W1 WOODWORKS LINEAR VENEERED PLANKS 3.75"x96"X.7 WELCOME II TILE, 5T031 24"x24x.25" CBX13.10303UPS 3"x3" UPS (12"x12" SHEET MOUNTED MOSAIC) COMI RA5 297006725 24"x24" INTERLOCKING TILE BRONZE SERIES CUBICLE CURTAIN REFER TO SHEET A0.11 FOR DETAILS. REFER TO SHEET A0.11 AND SPECIFICATION SECTION 05 5000 I	COBBLESTONE ARTIC WHITE WHITE WHITE SW7008 ALABASTER NATURAL VARIATIONS WALN TBD WALNUT 31750 I SEE THE MOON SPECKLED BLUESTONE SPUNK (GRAPHITE) STAINLESS STEEL	MICHELLE ALLEN, 513.214.9939 MICHELLE ALLEN, 513.214.9939 JEN McCOY 513.919.2263 JEN McCOY 513.919.2263 CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A CLASS A CLASS A CLASS A ANGIE JULIAN, 317.714.5610 IUT JEN McCOY 513.919.2263 CLASS A LESLIE FREDRICK, 513.207.5309 LESLIE FREDRICK, 513.646.2163 NFPA701	BANDING ON EXPOSED EDGES. COUNTER WITH INTEGRAL SINK IN ROOM 127 MDOEL 1612-AC INTEGRAL ADA LAVATORY BOWL ALL EXPOSED STRUCTURE TO BE PAINTED PER SPECIFICATIONS COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE ITEM TO BE QUARTER TURN INSTALLED. 90 DEGREES. 48" TALL. INSTALL AT TOP OF BASE.	NO. DATE 03/22/2022 F
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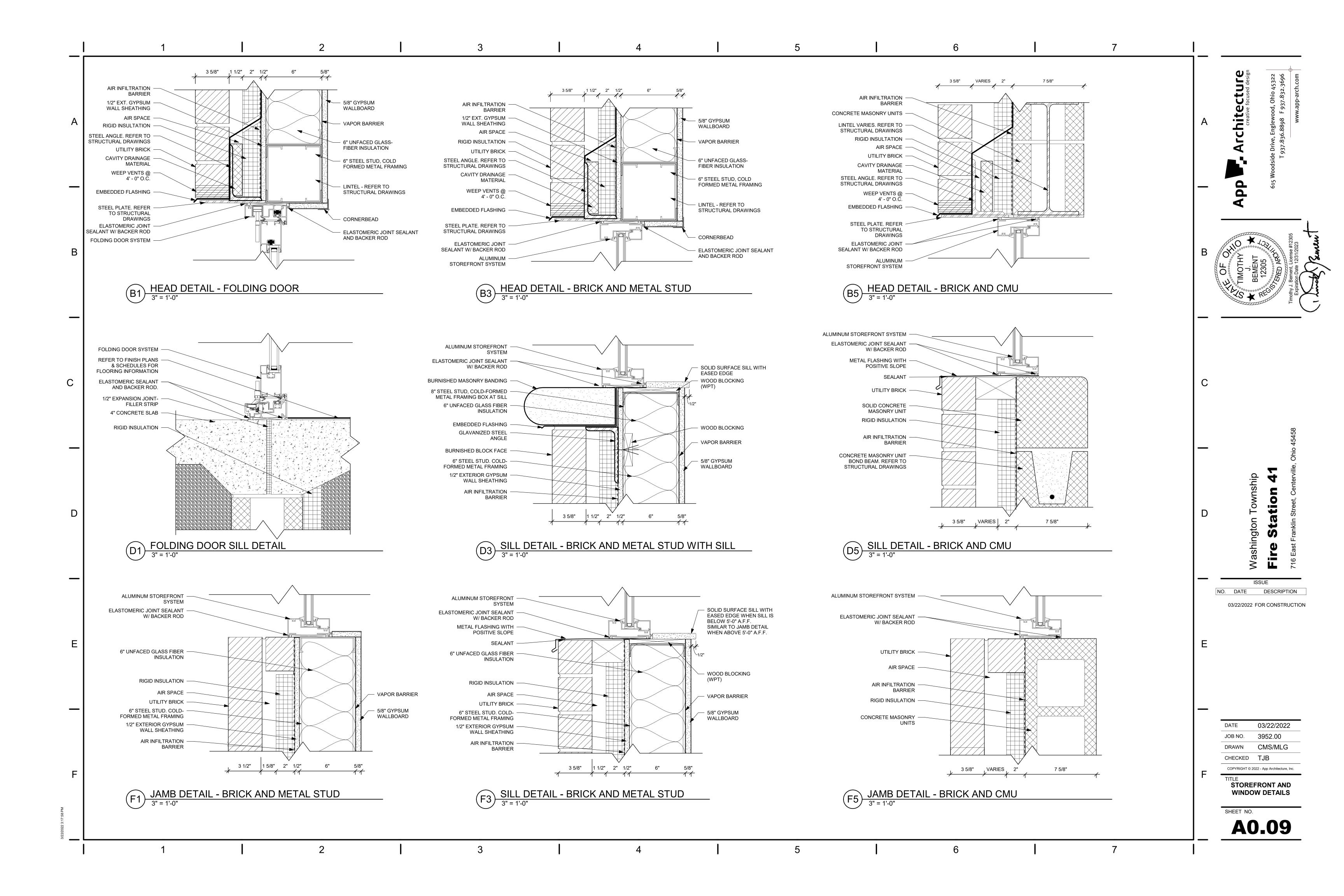


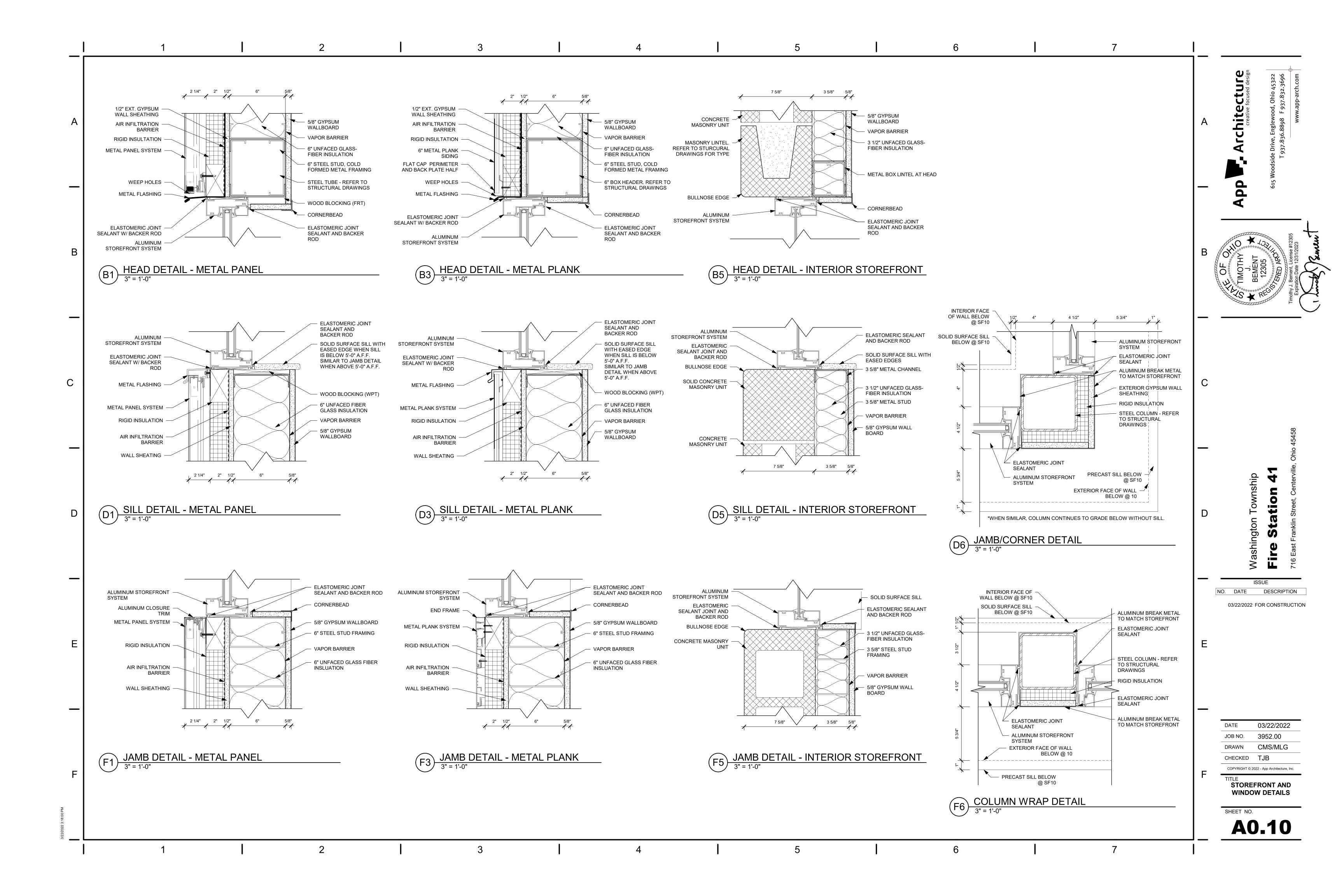


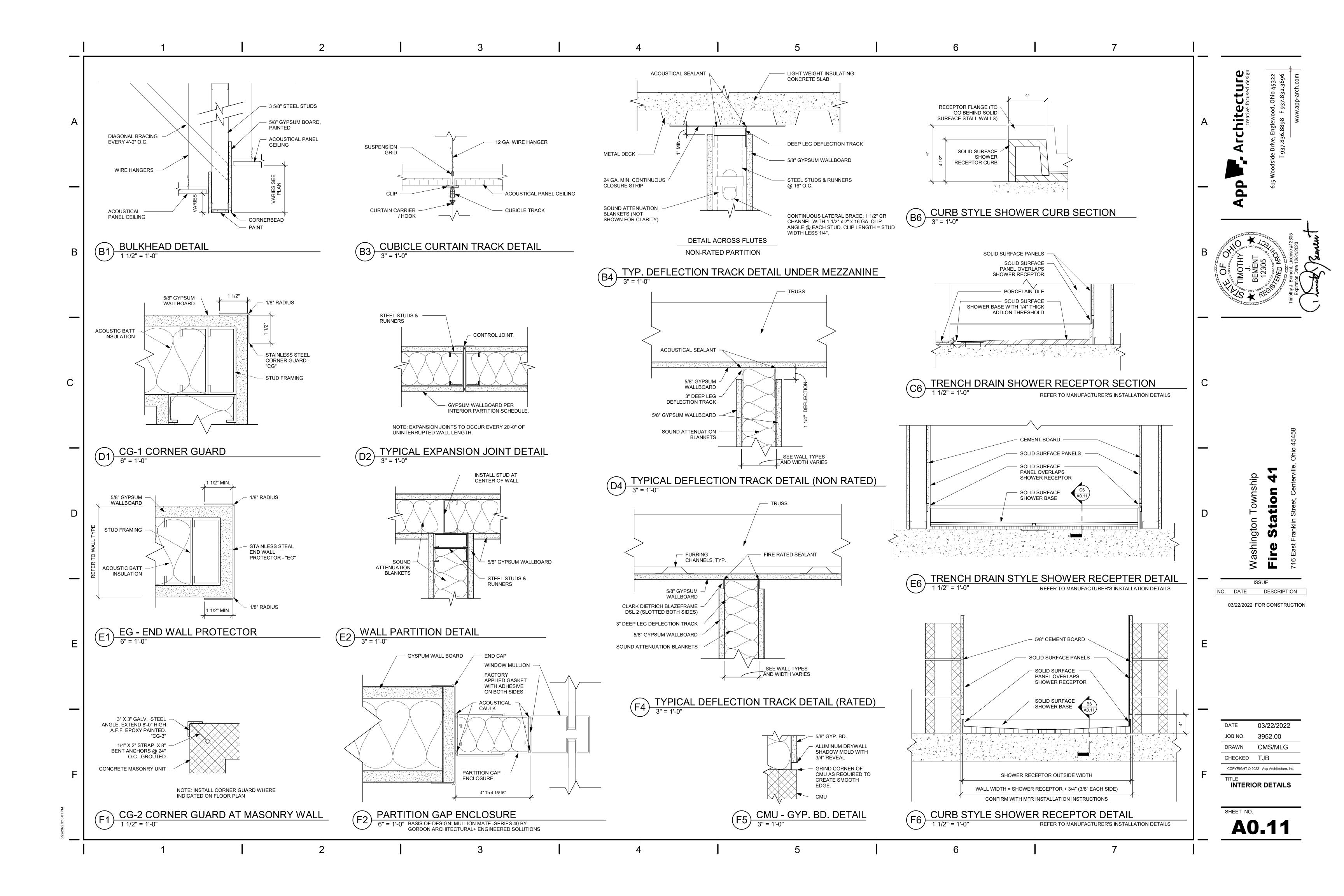


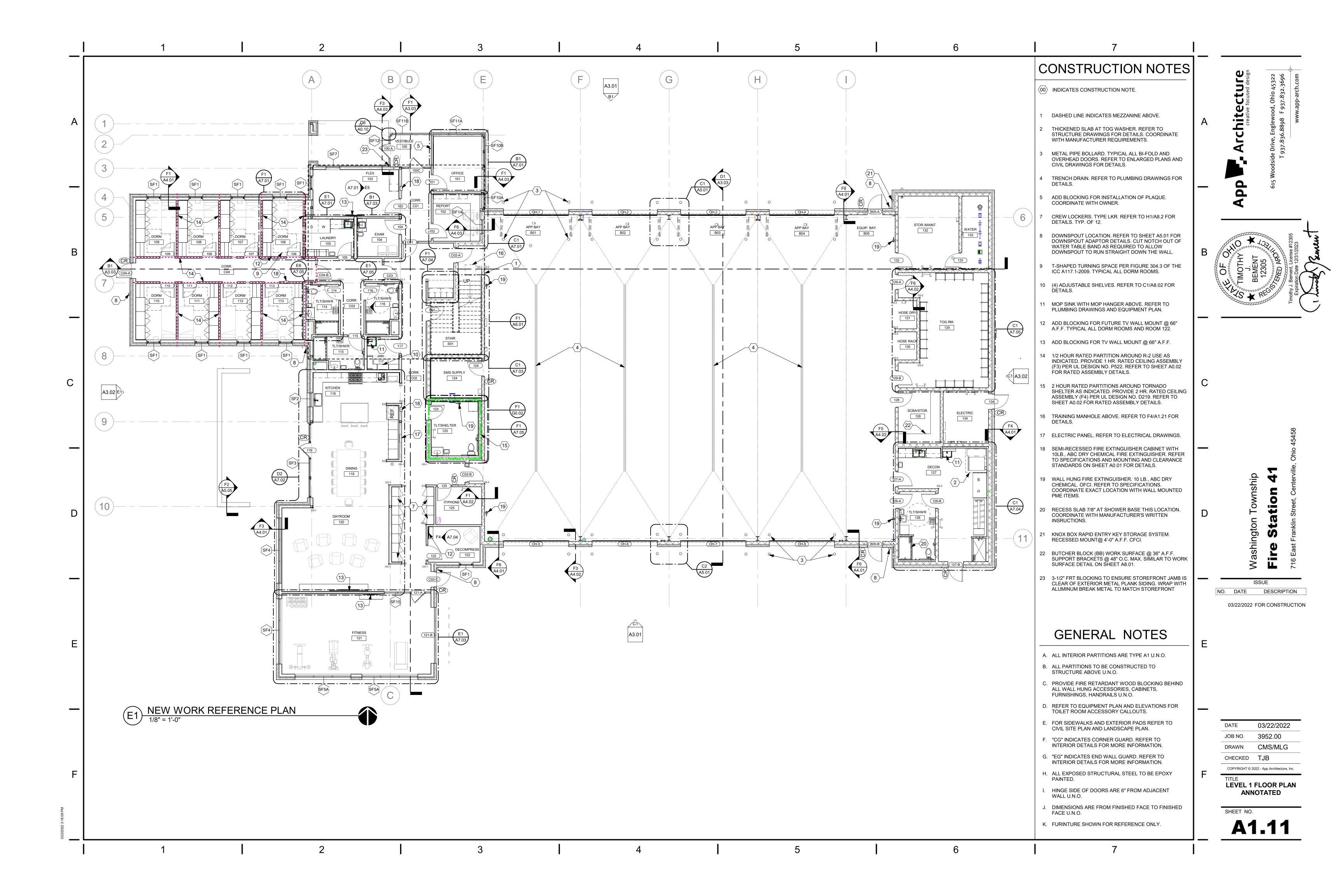


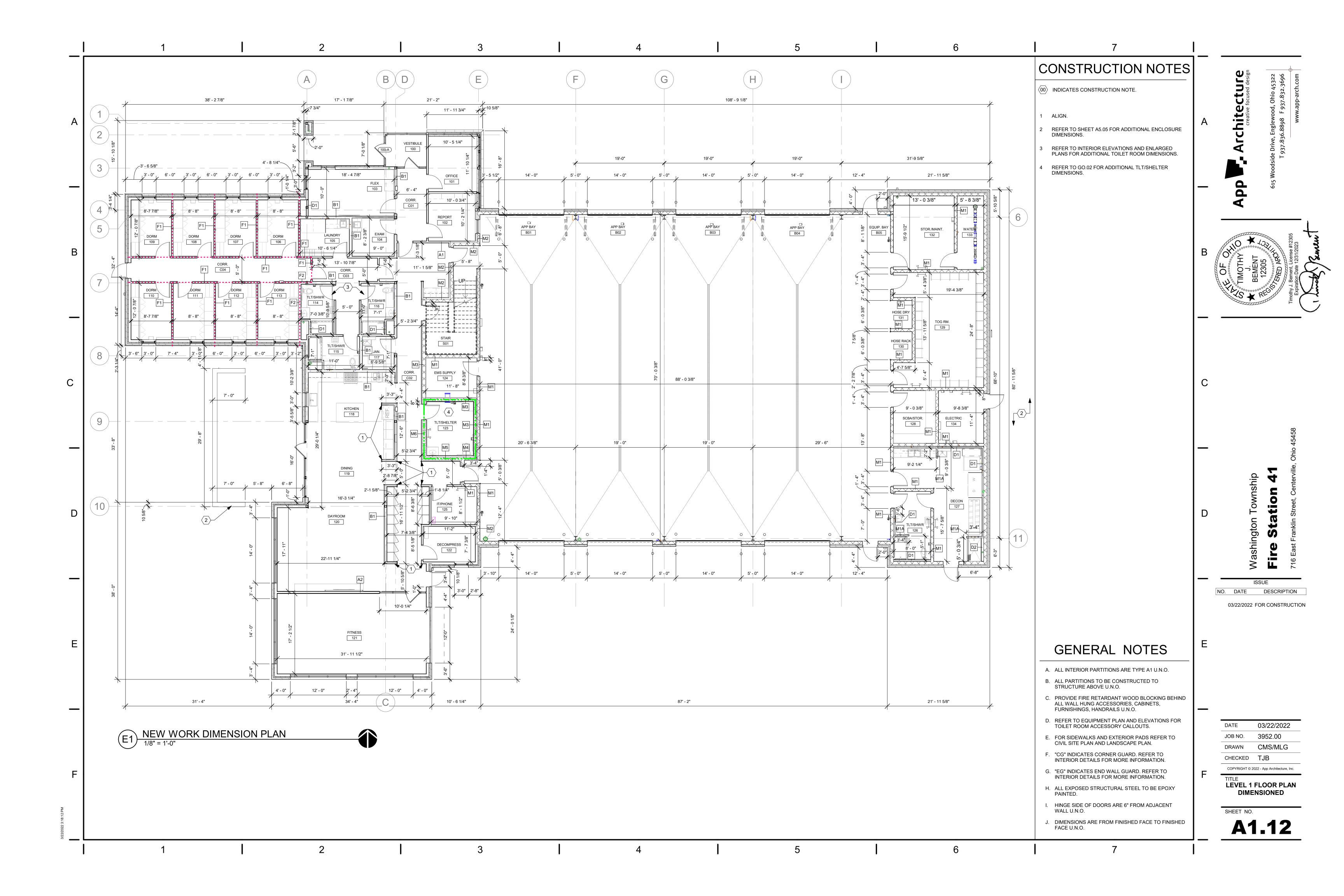


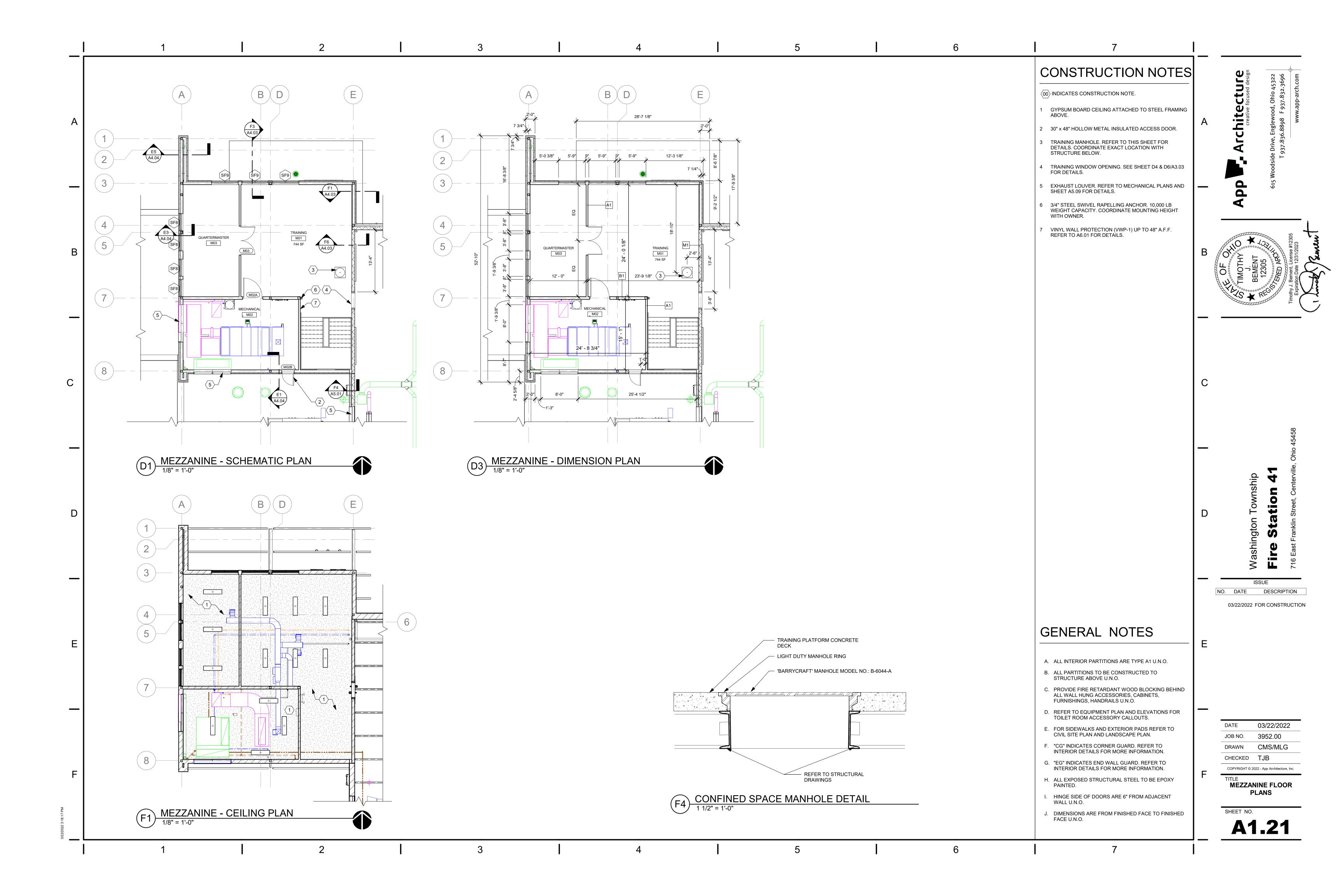


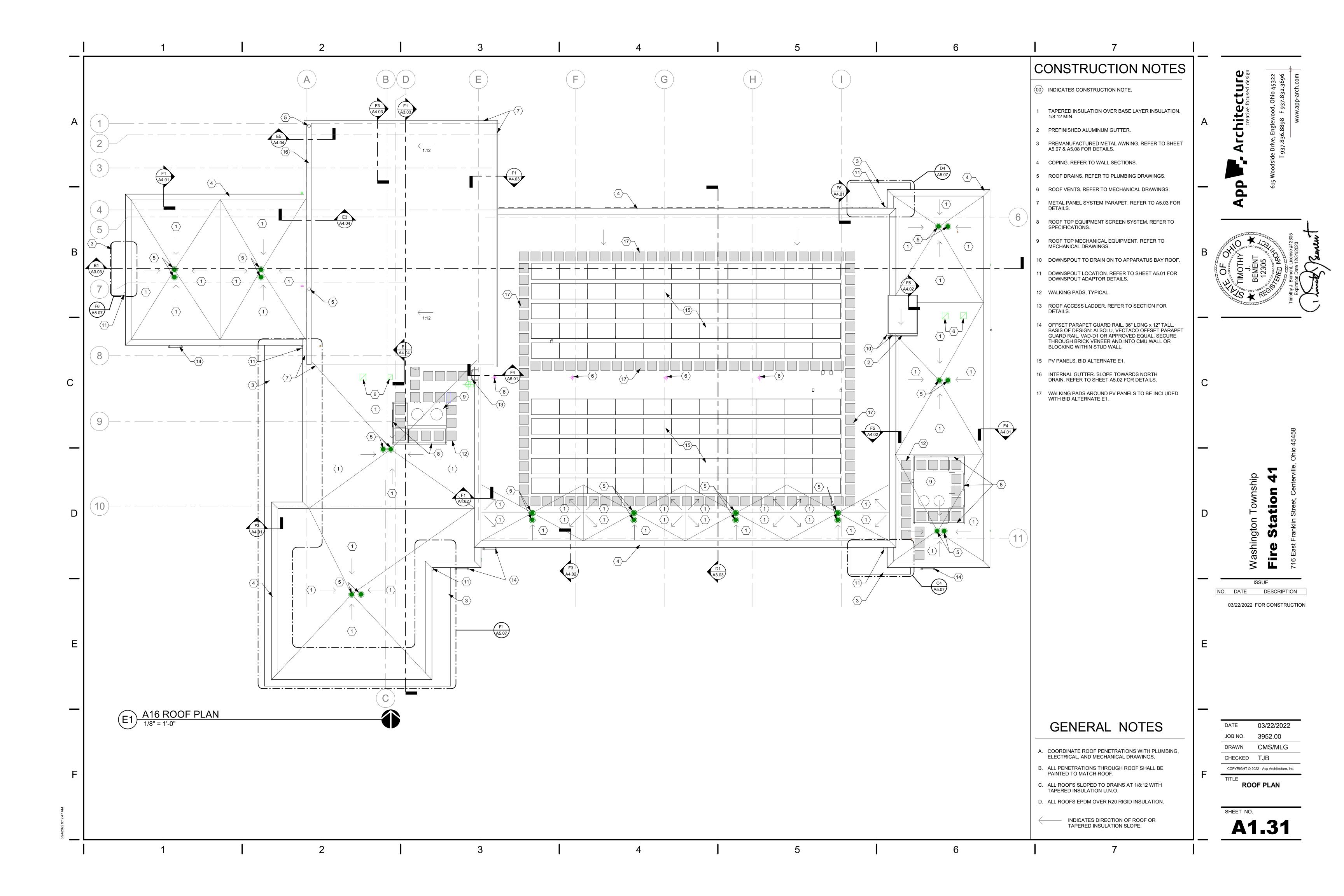






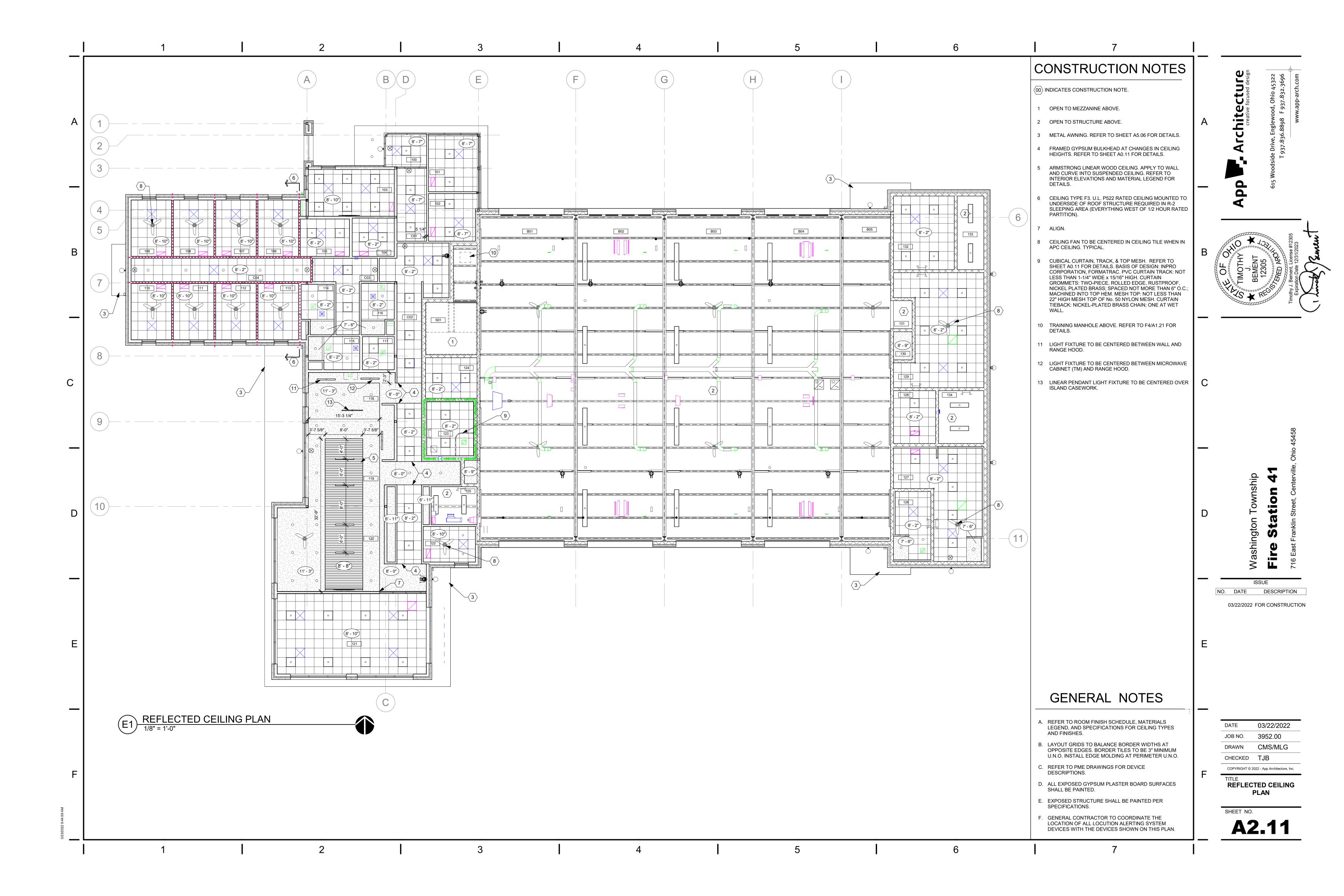


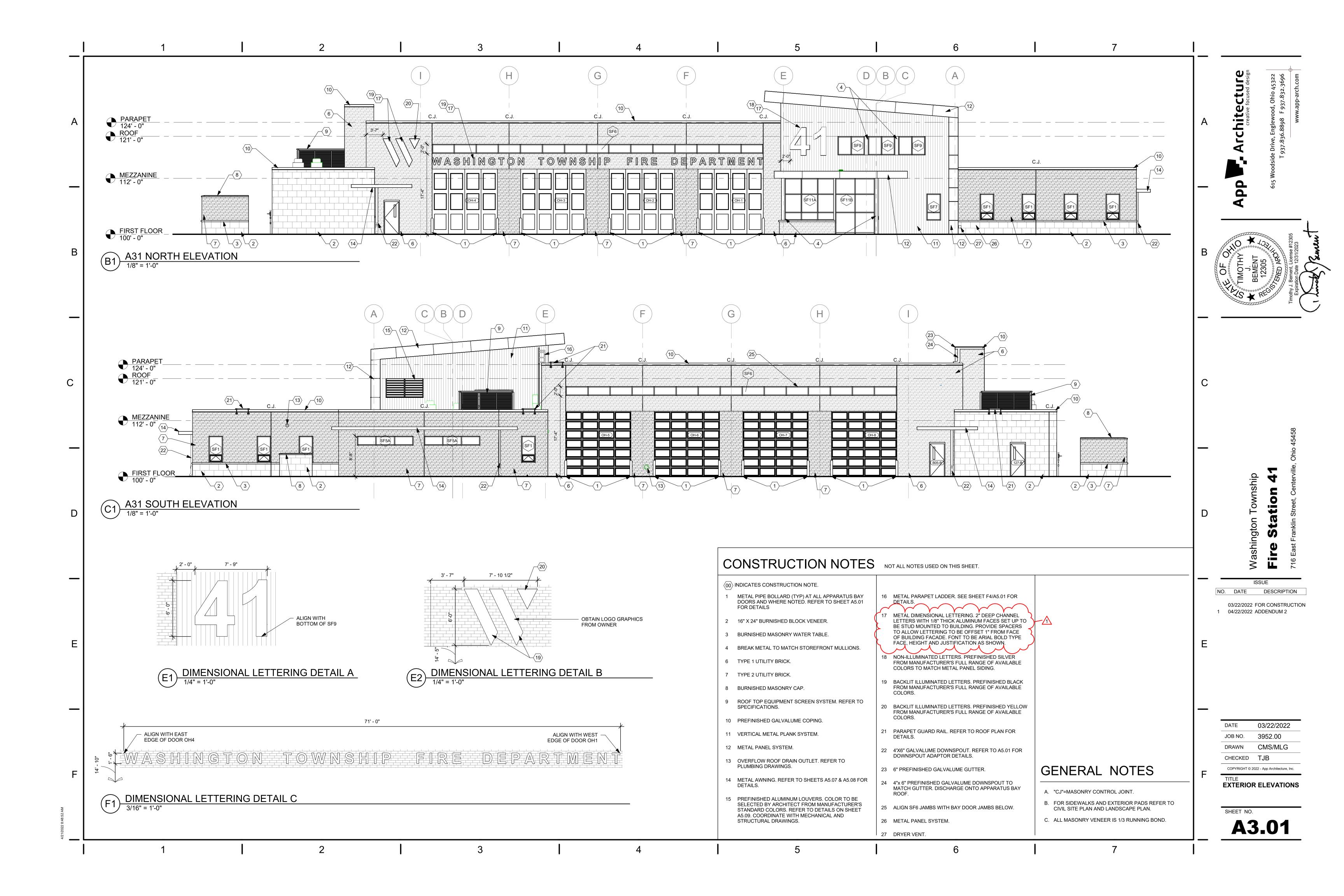


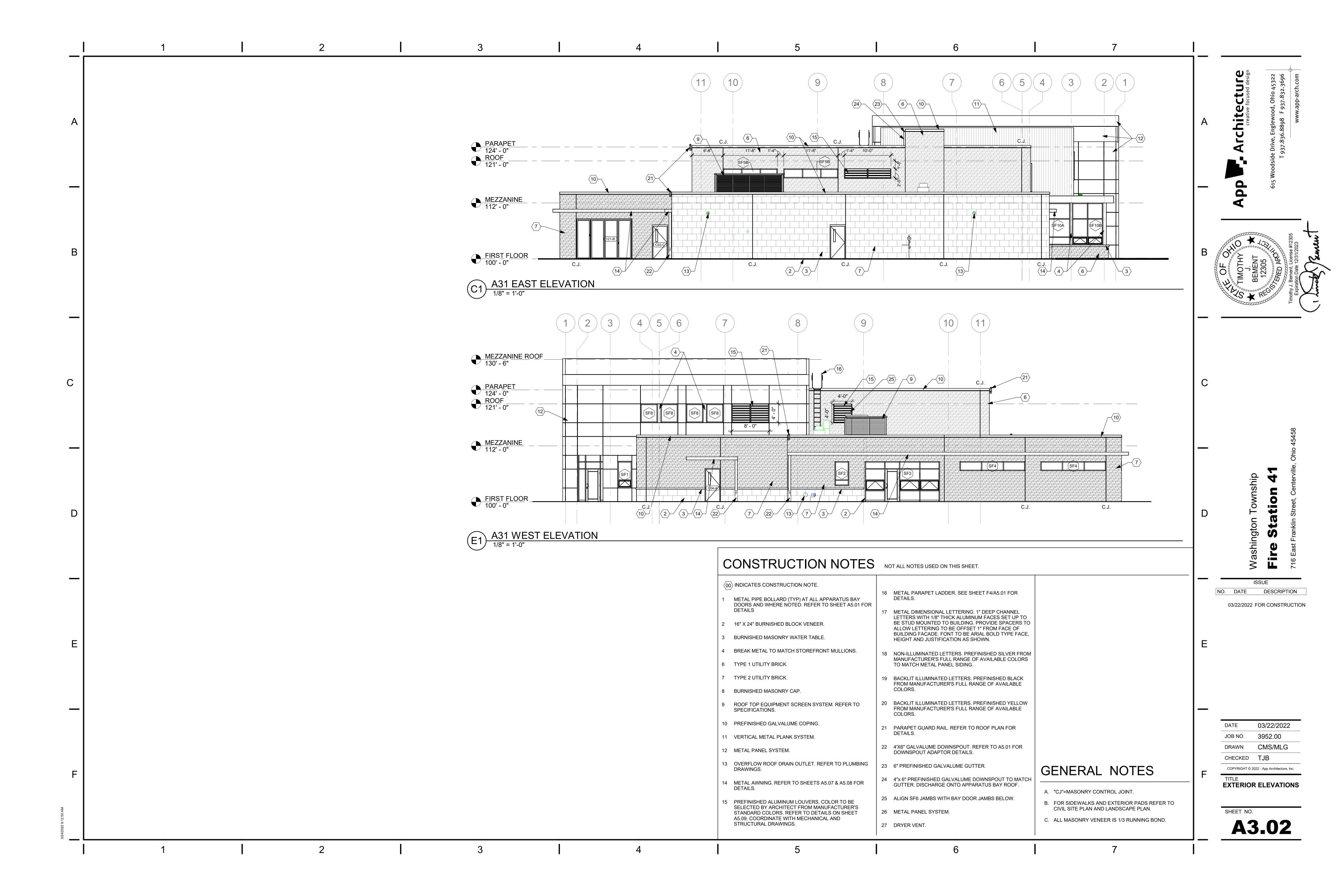


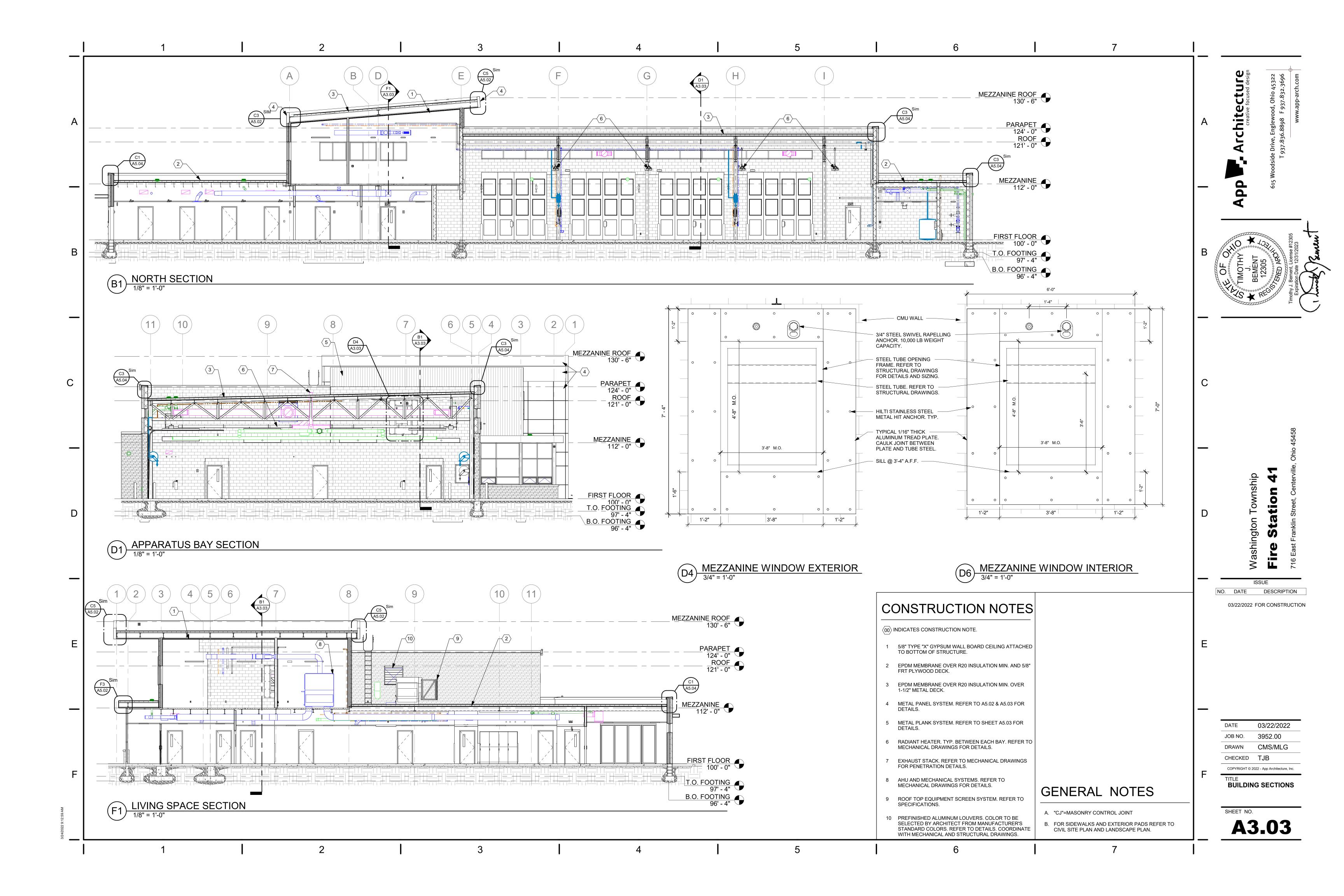


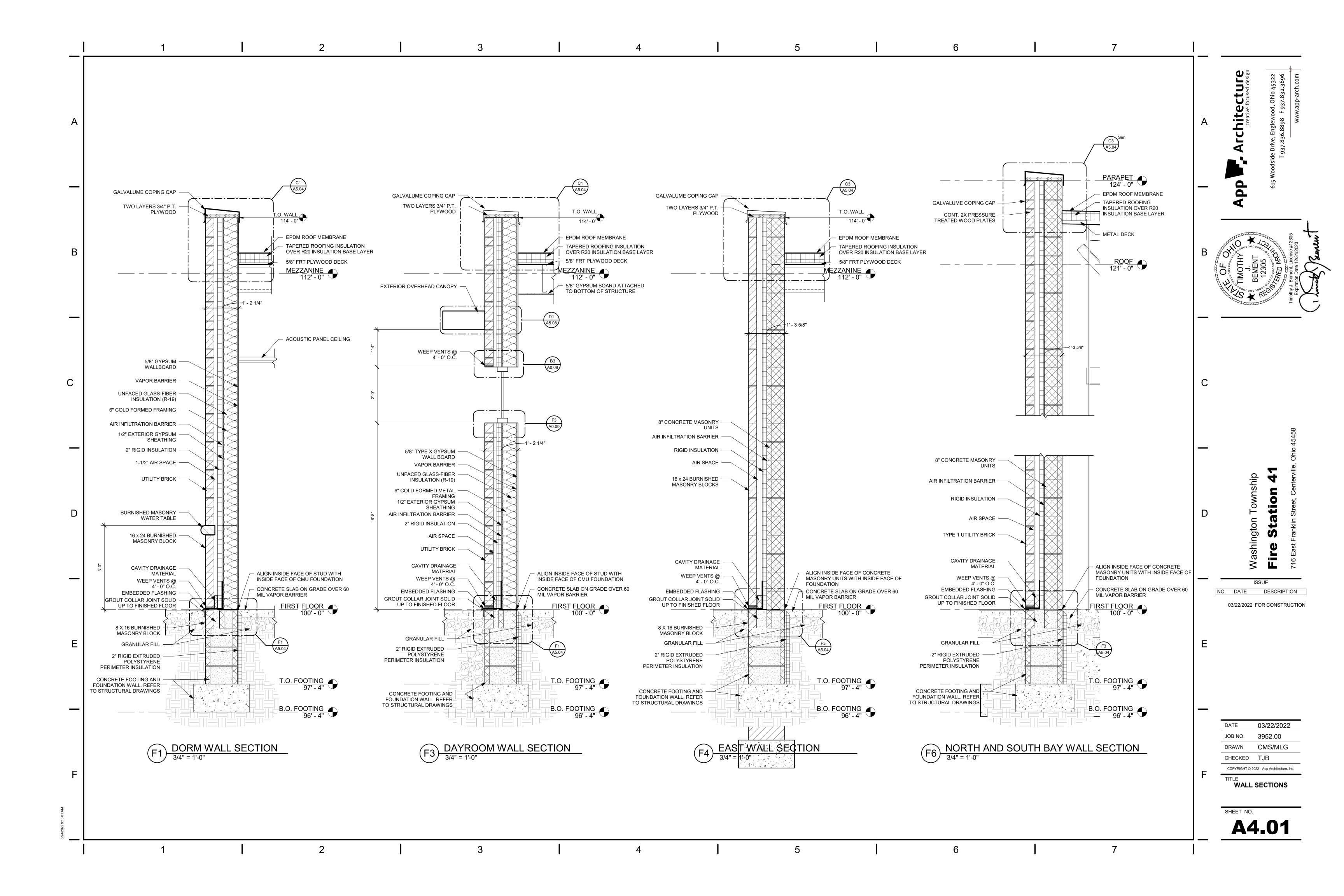


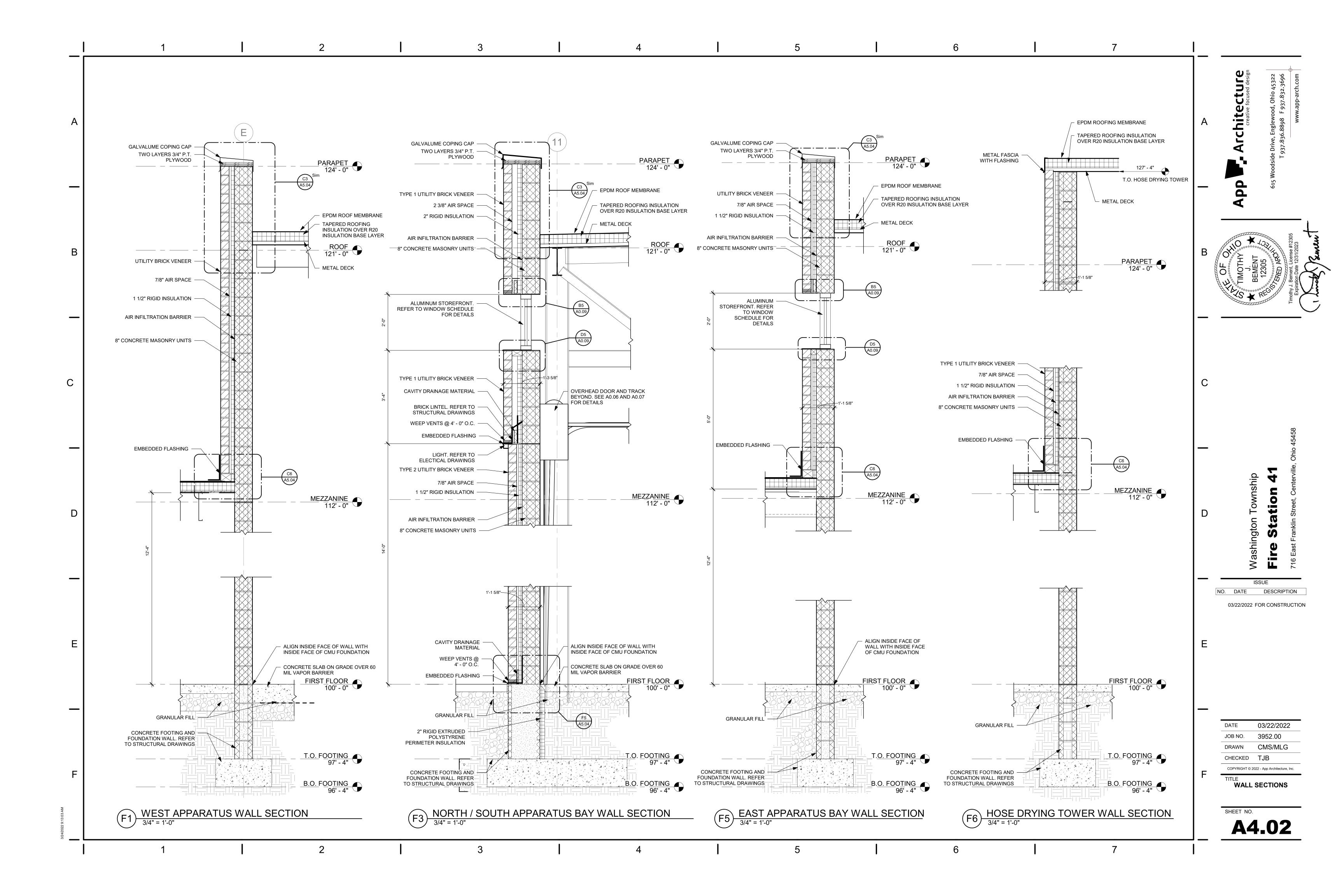


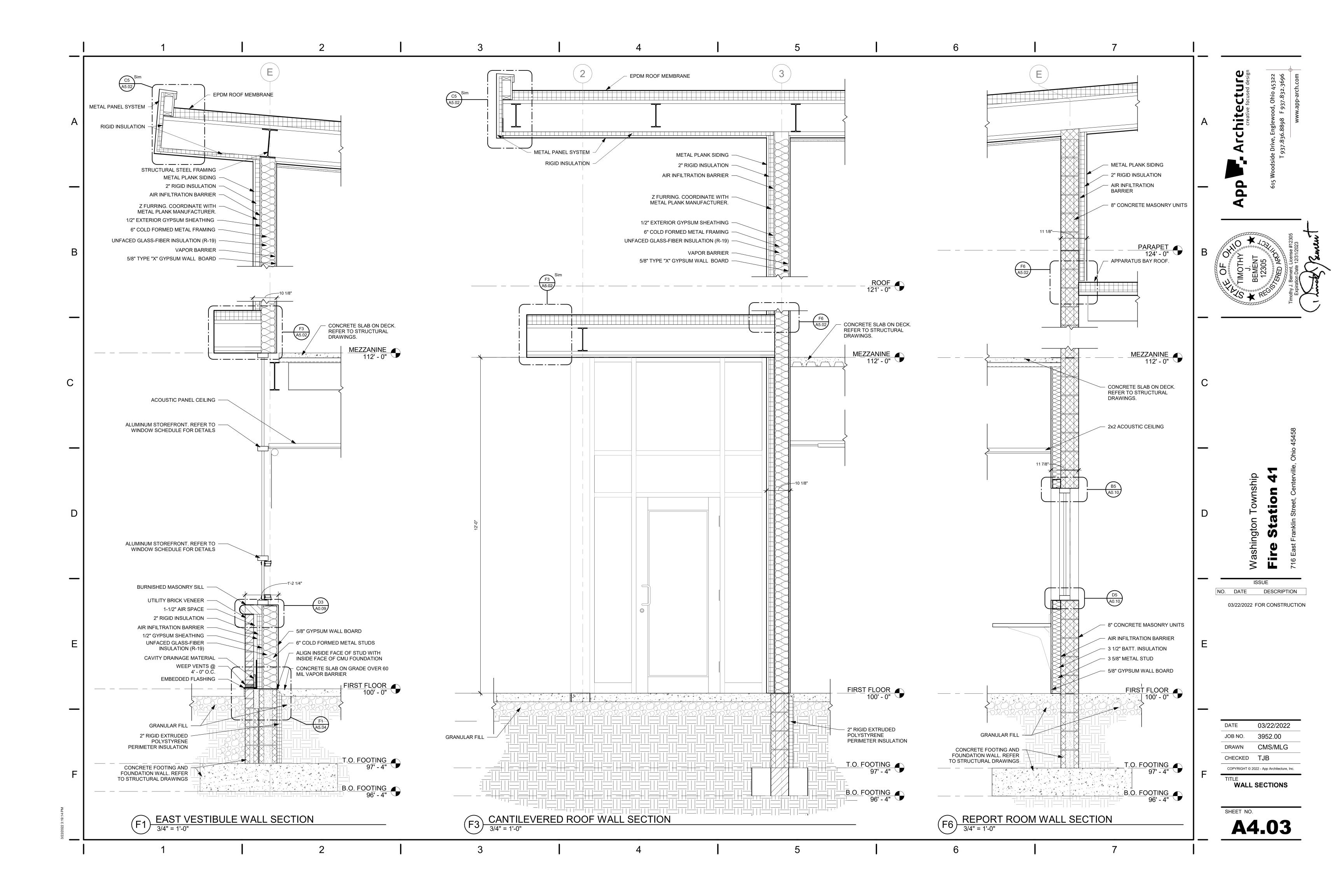


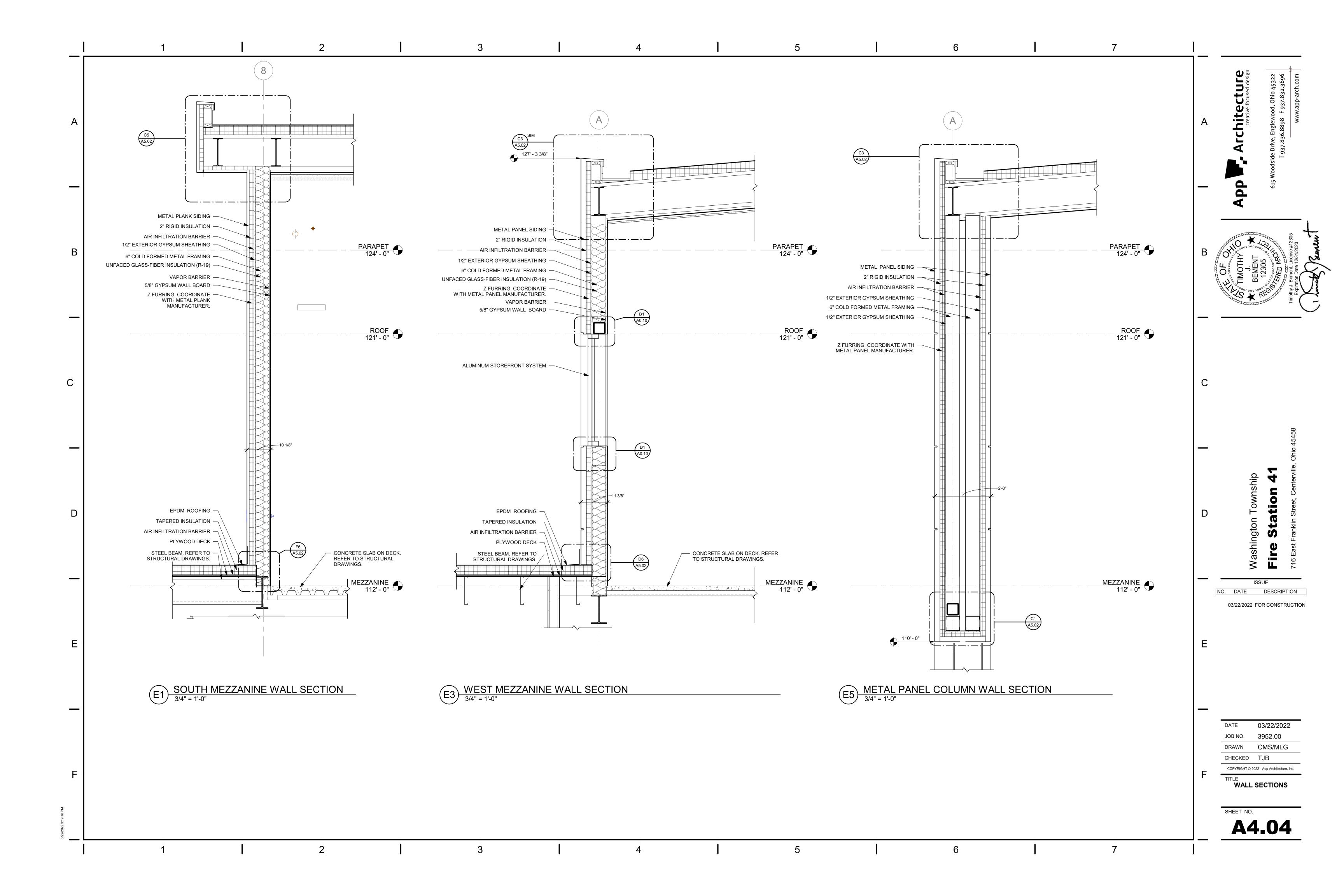


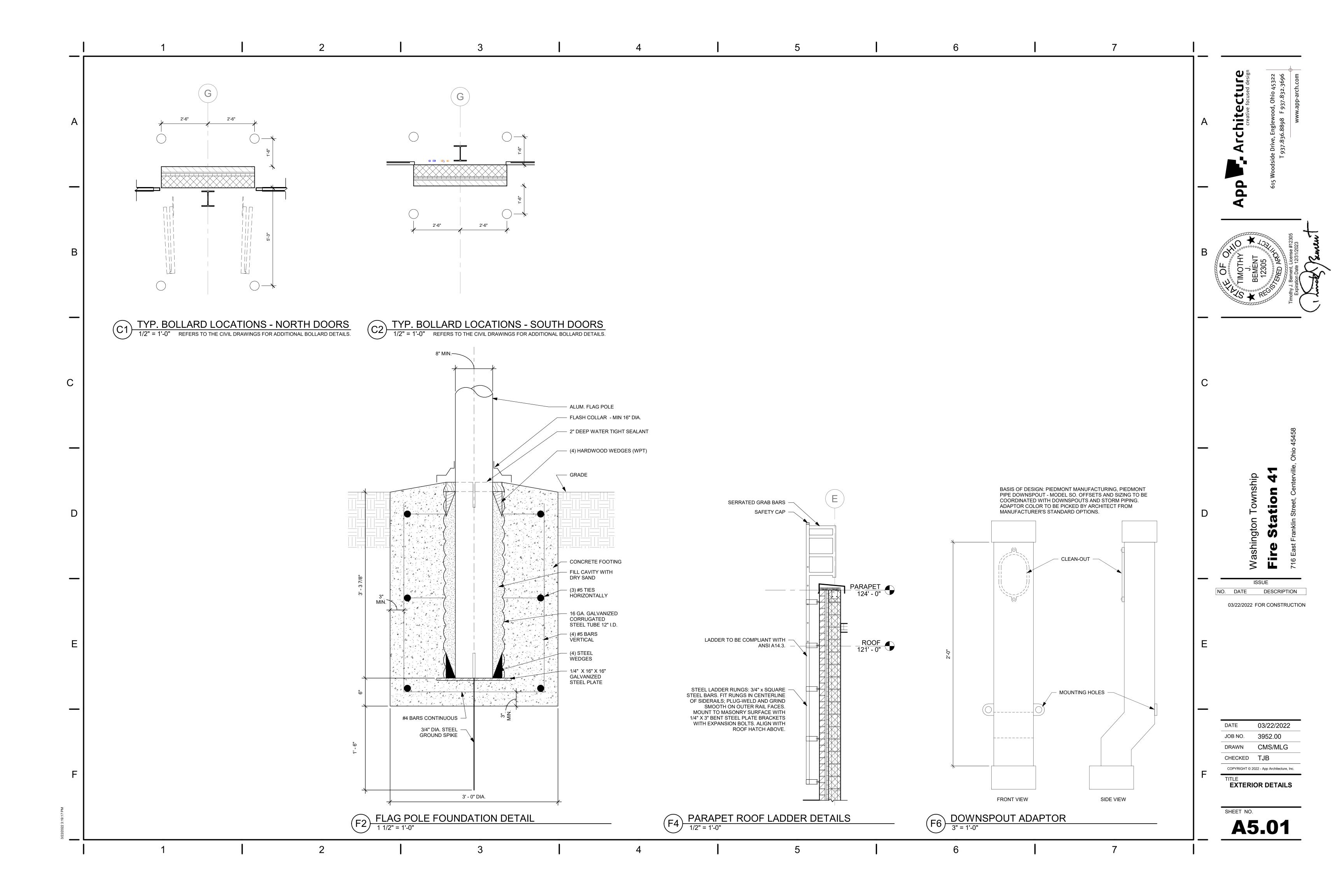


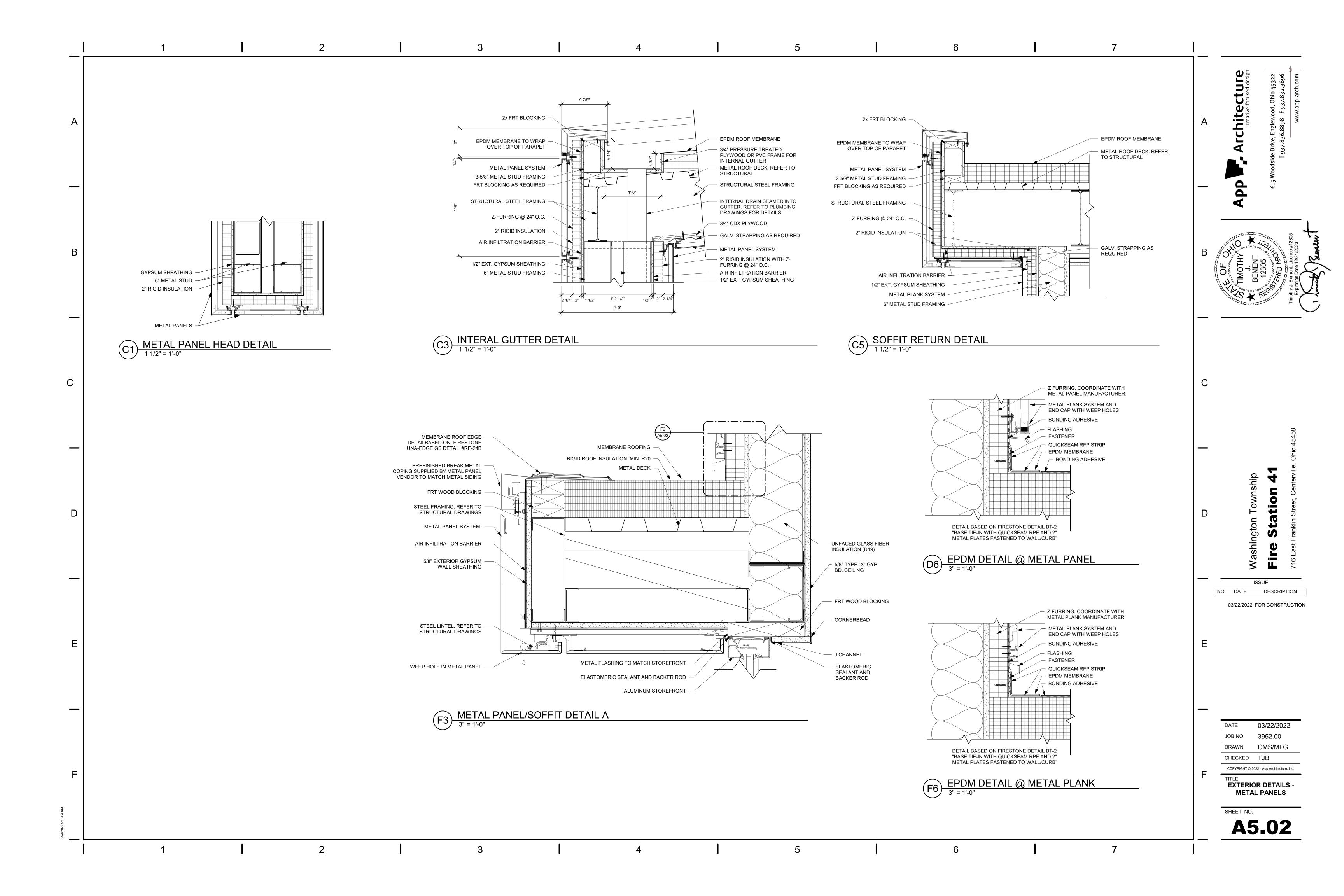


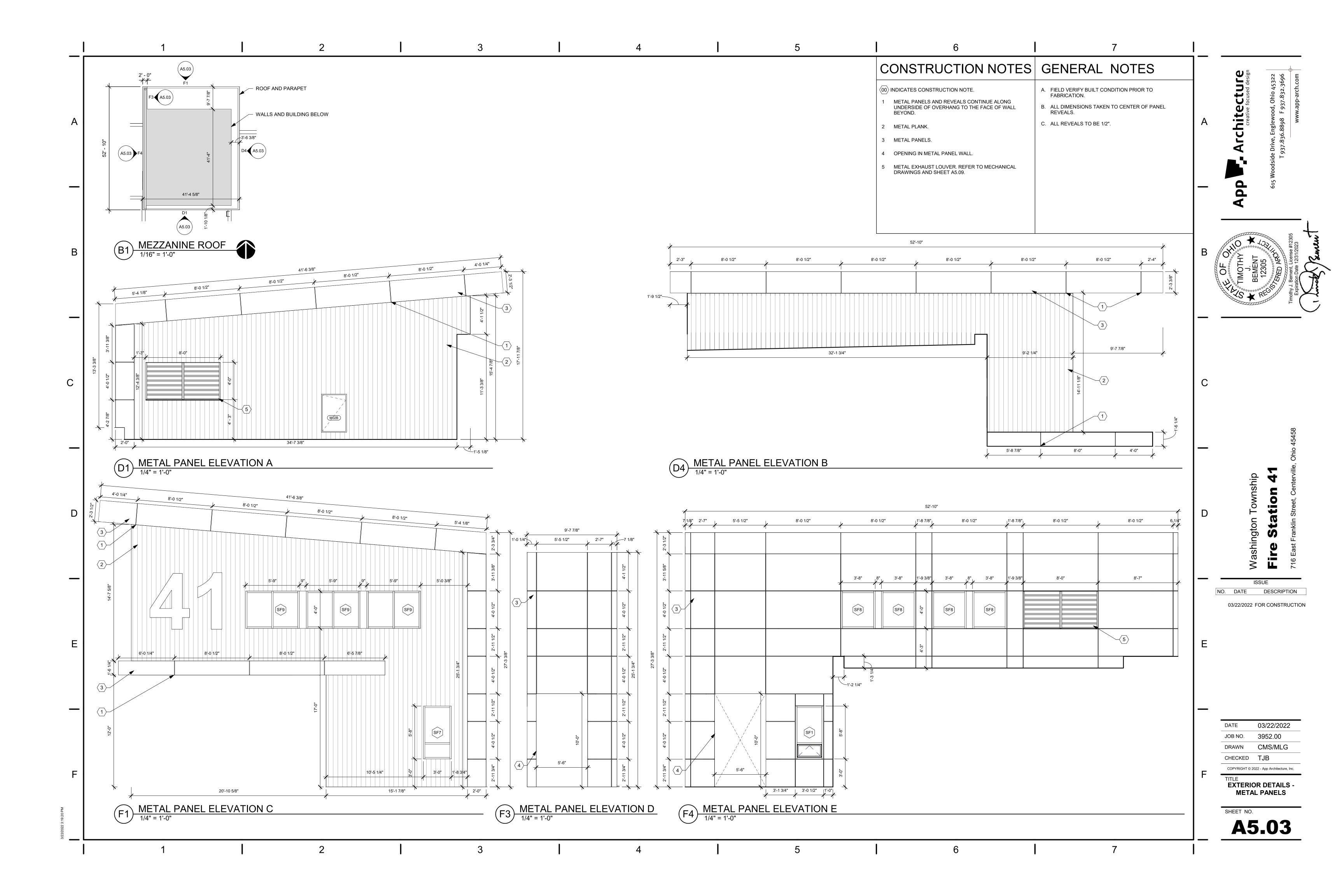


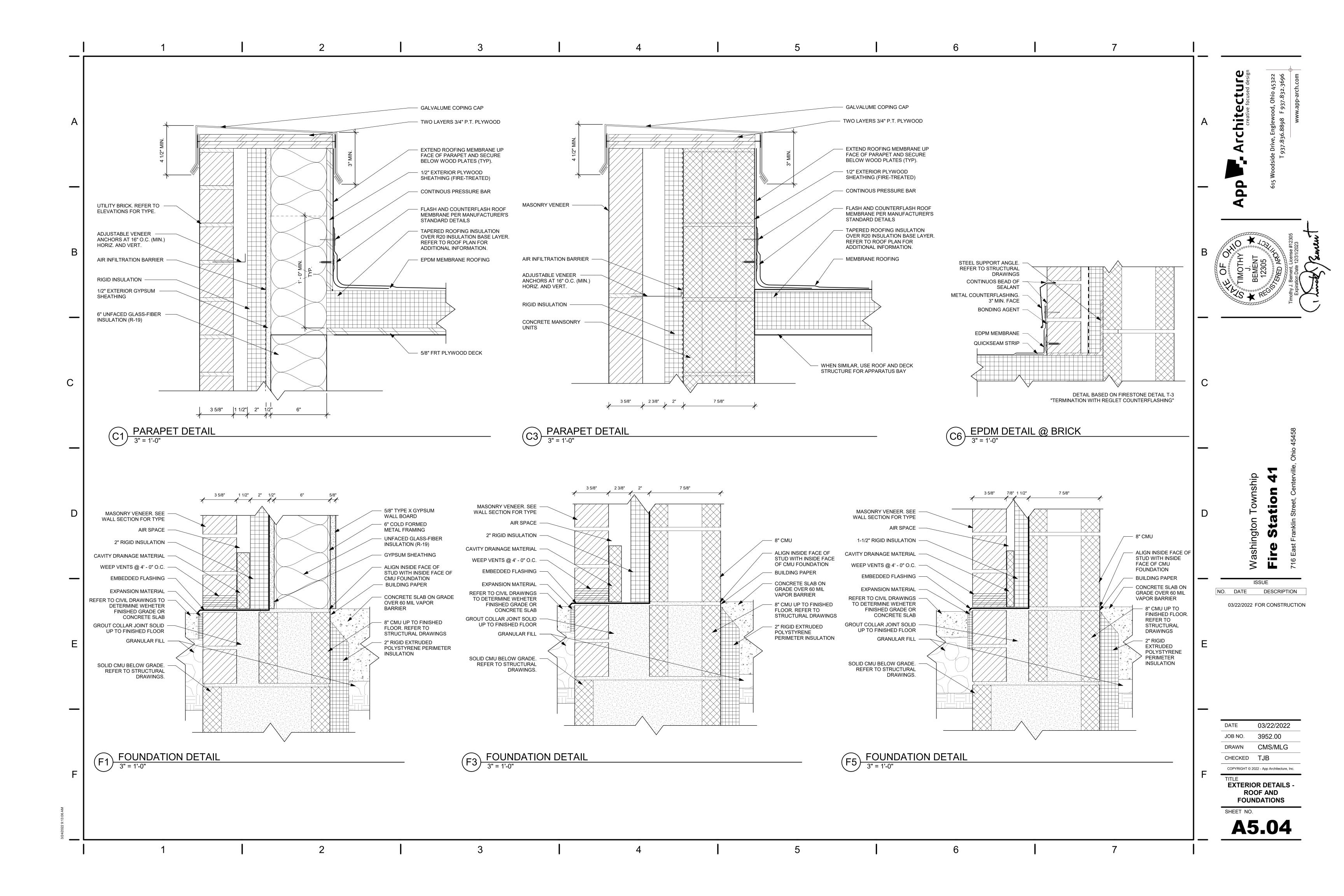


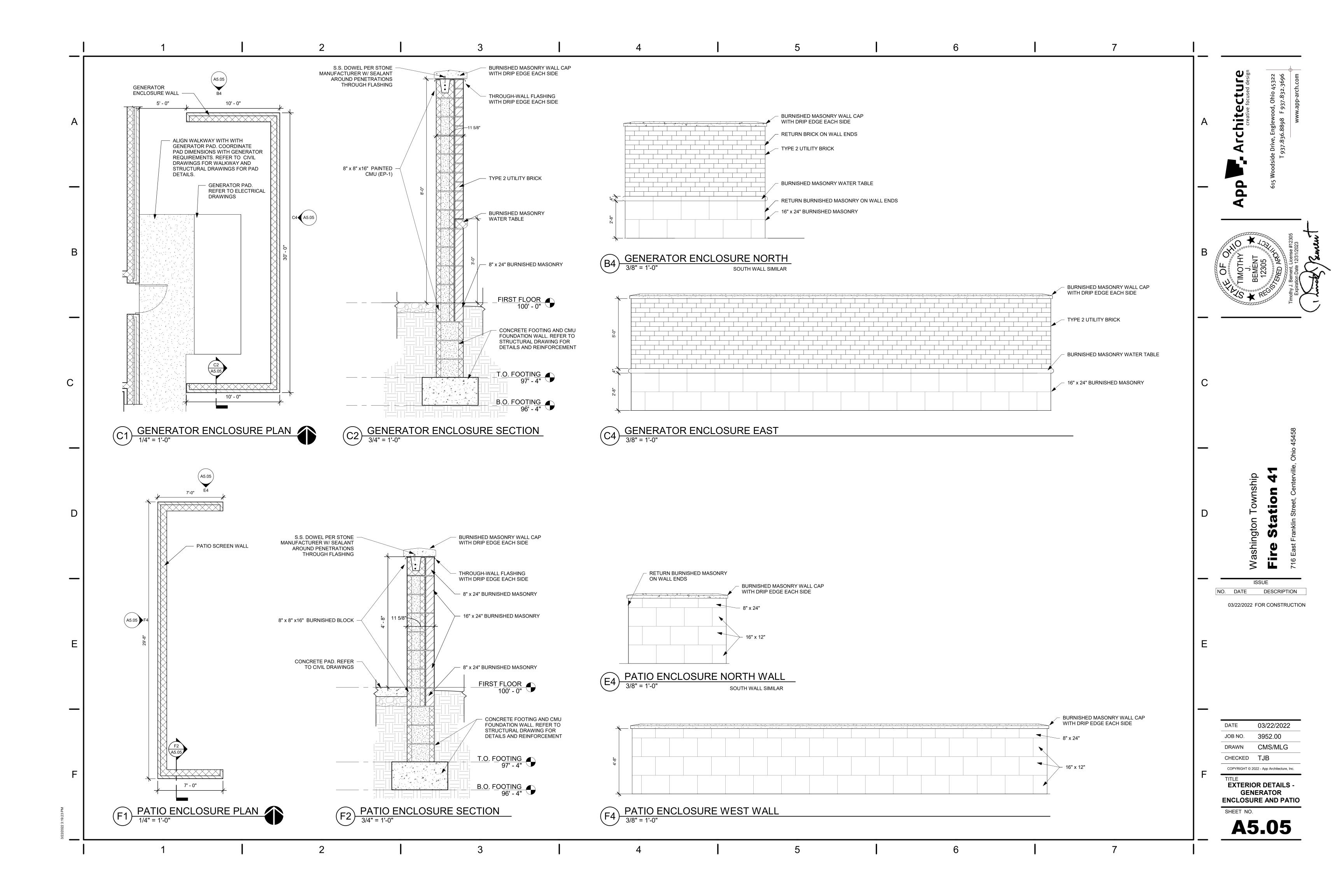


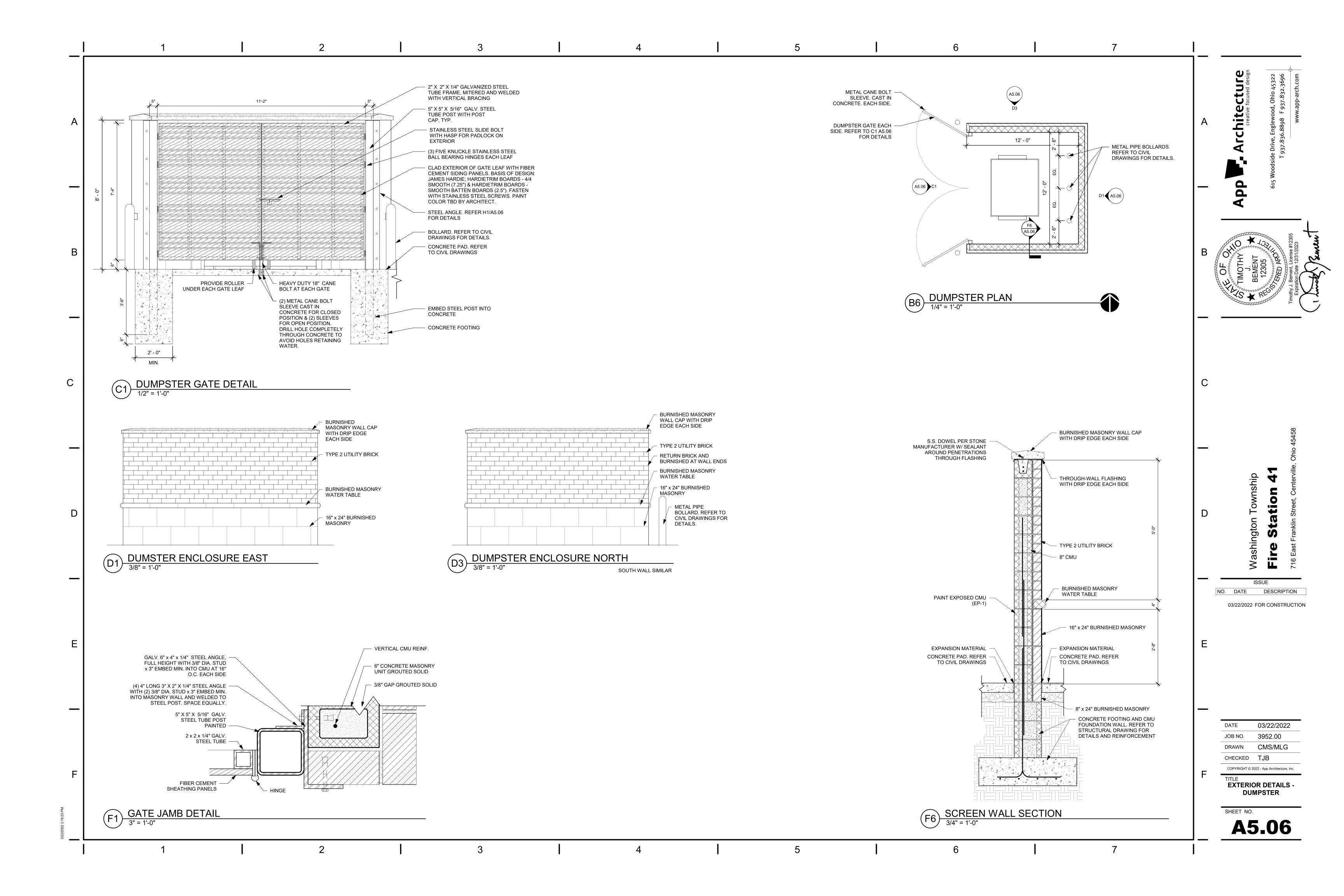


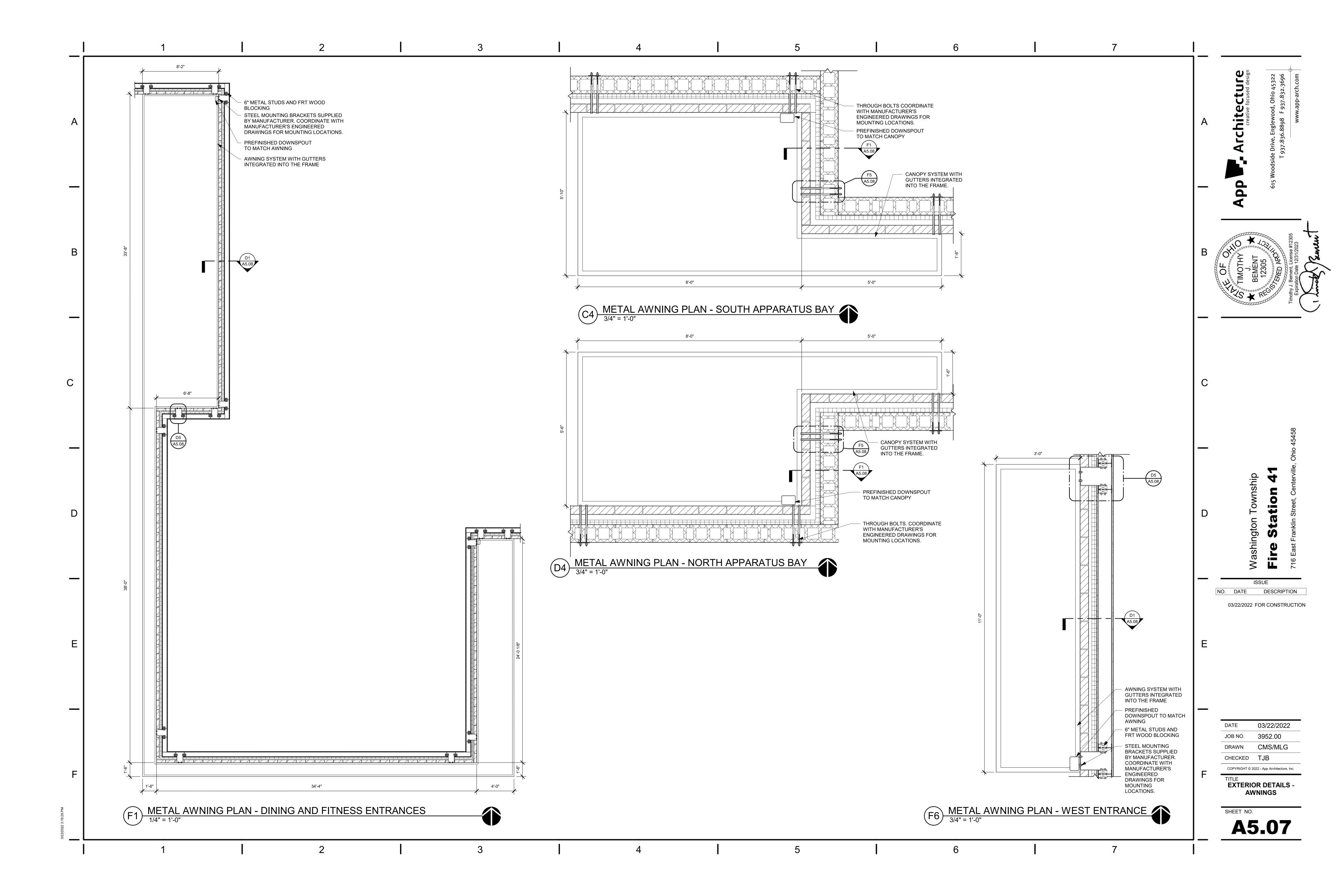


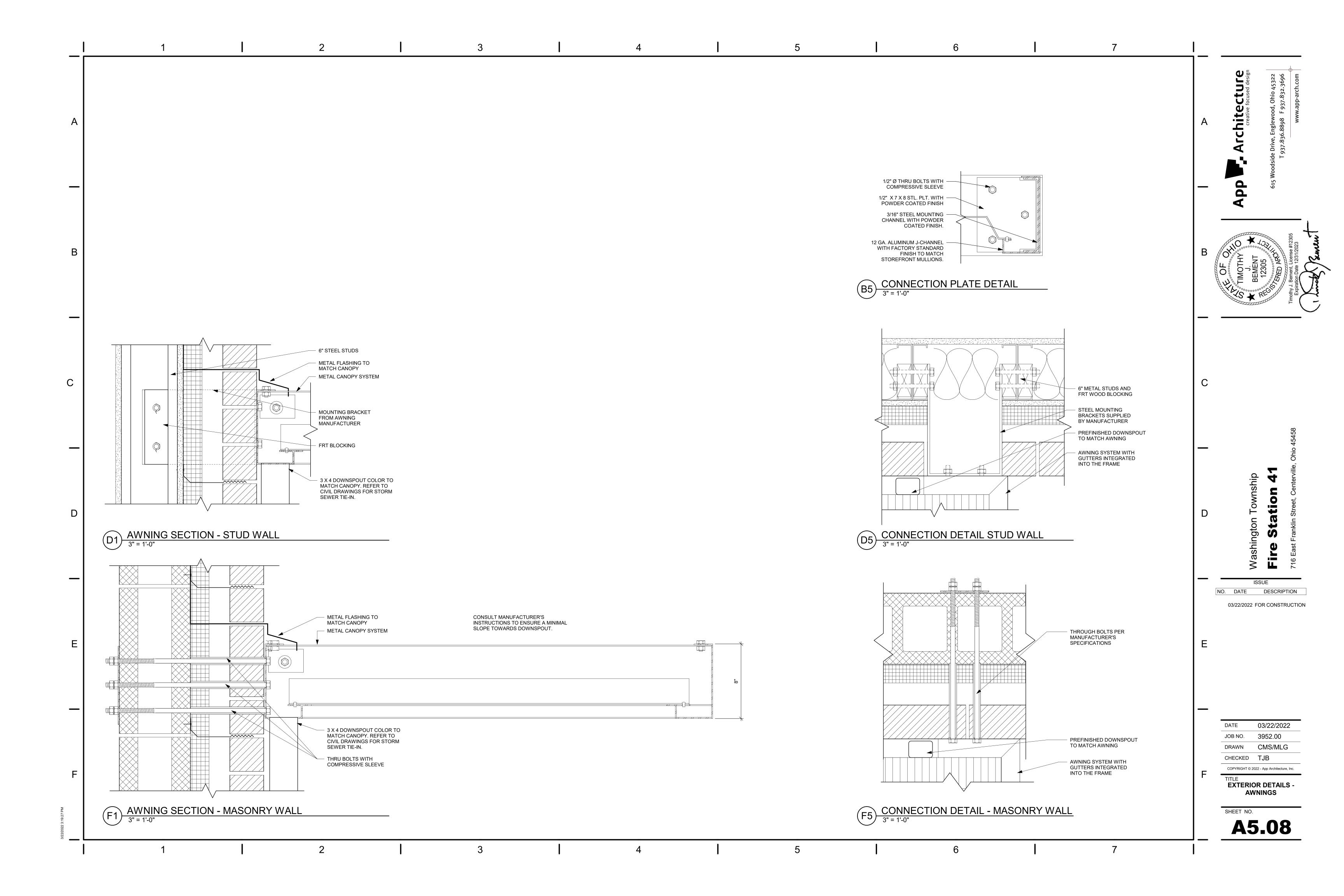


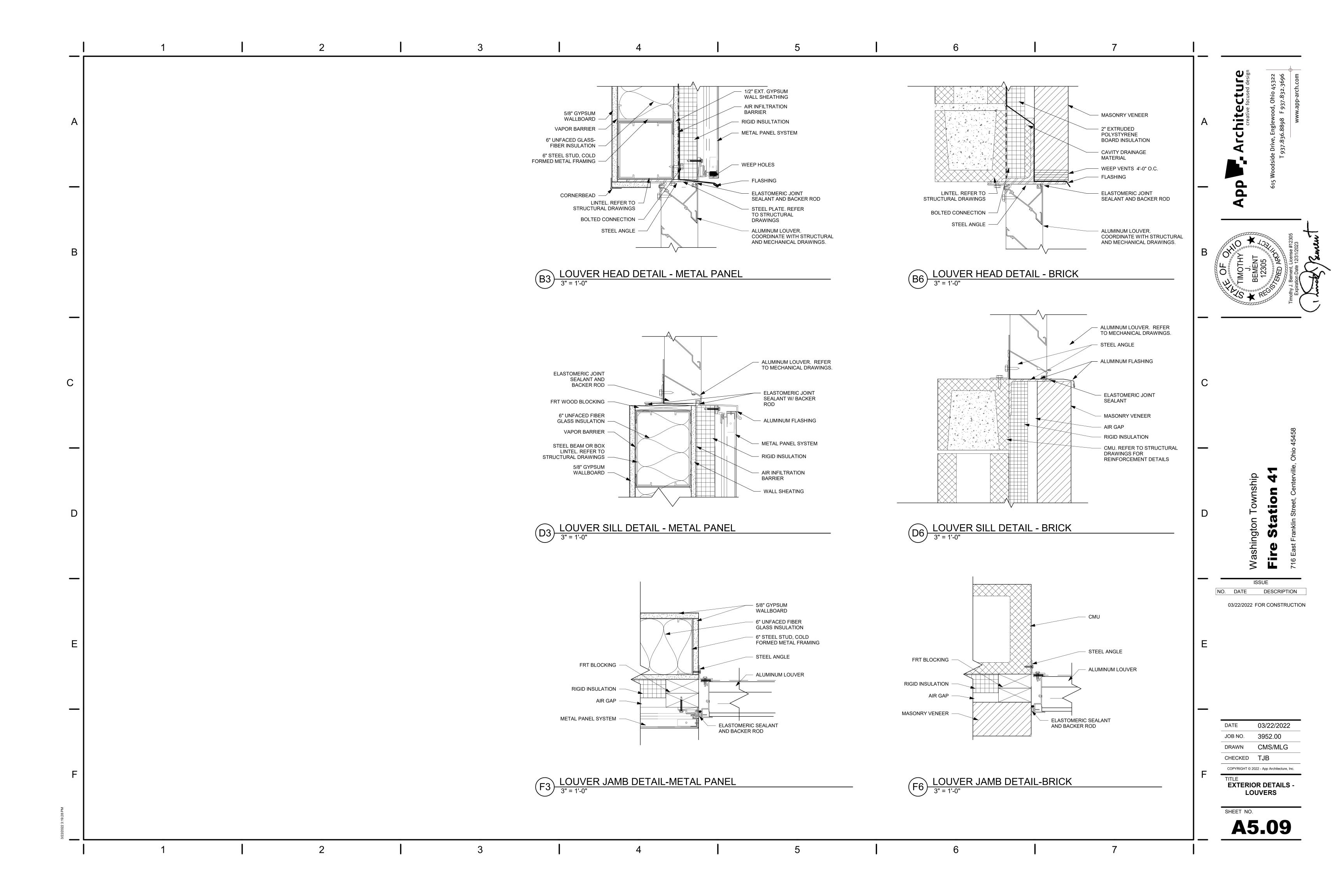


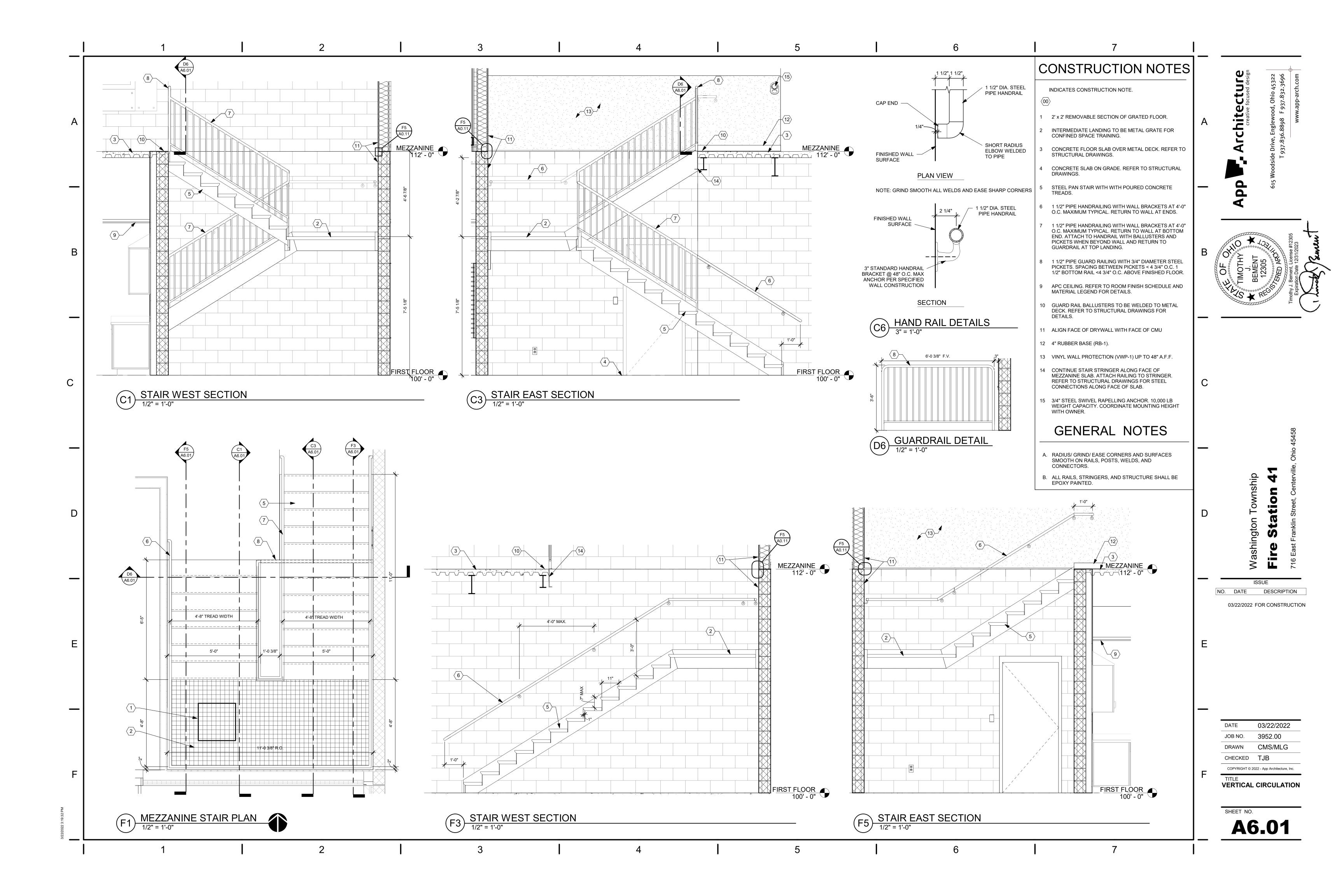


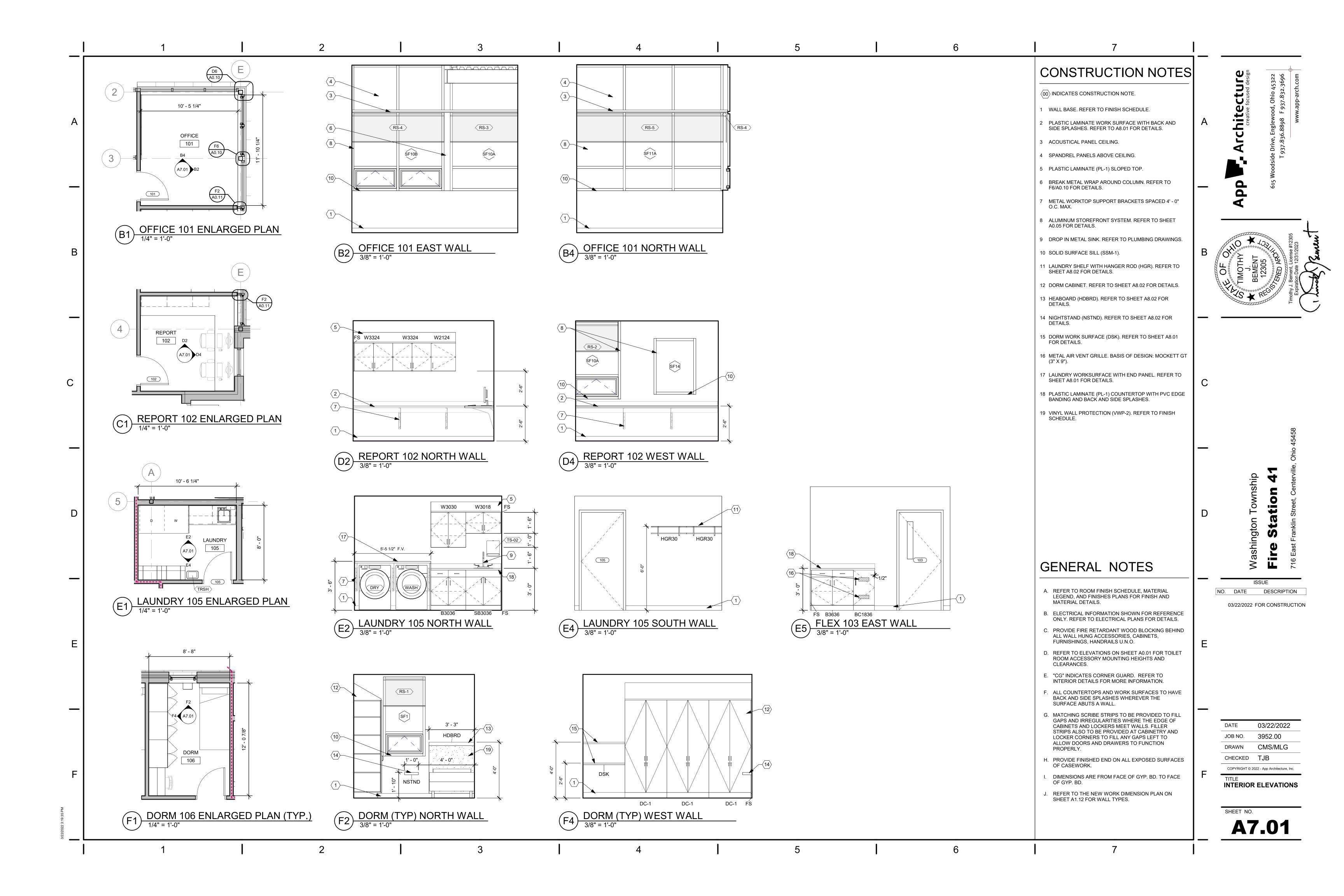


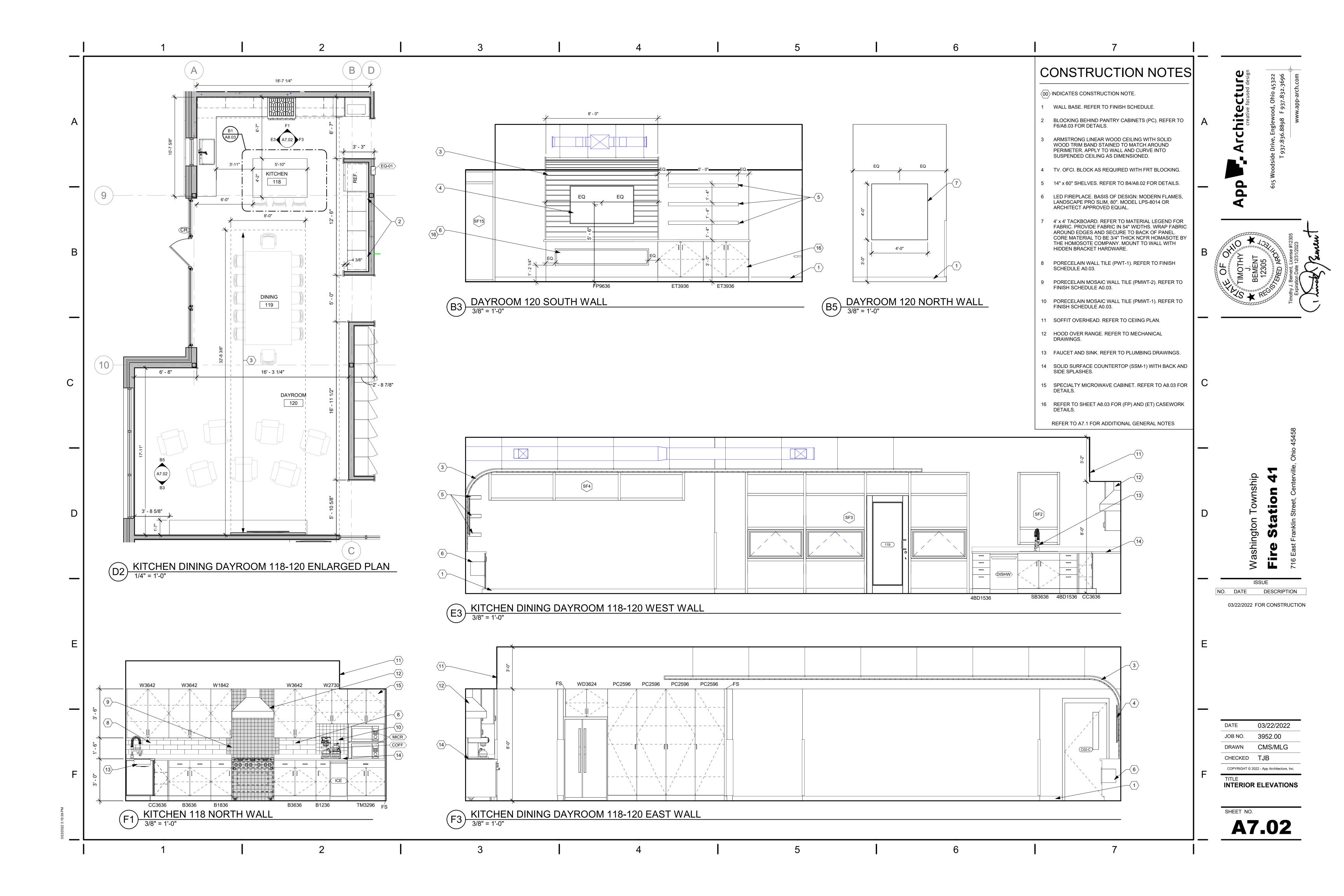


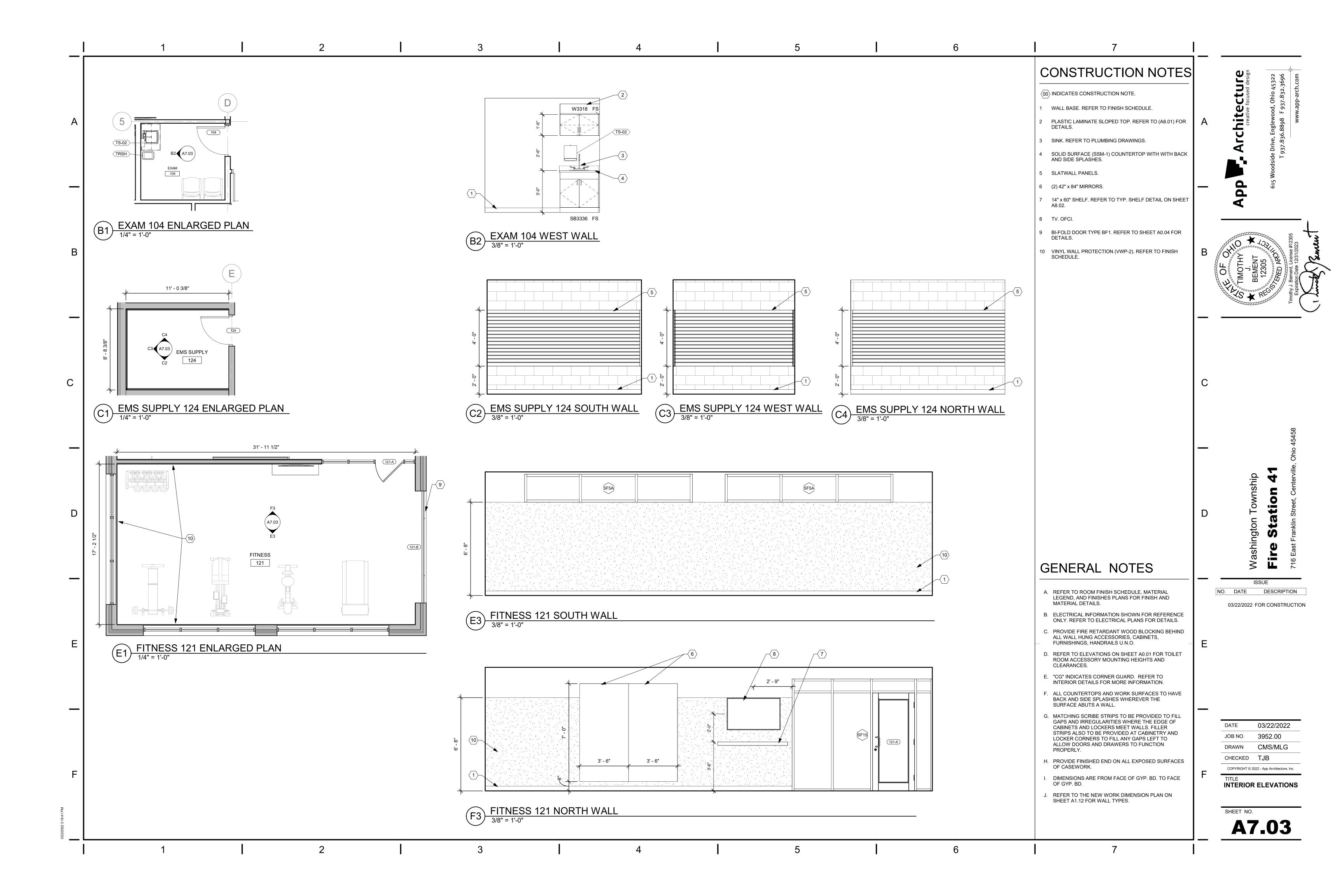


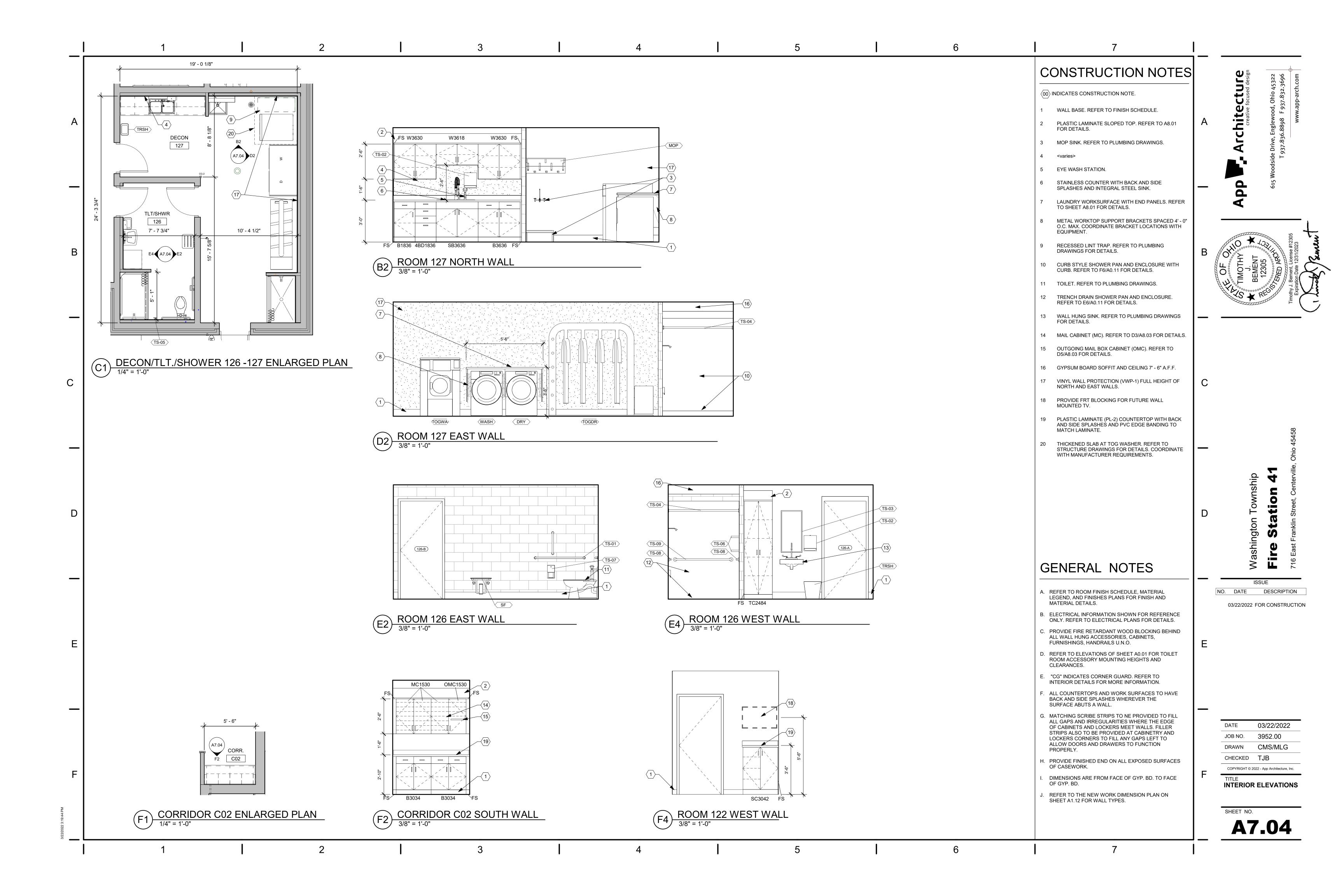


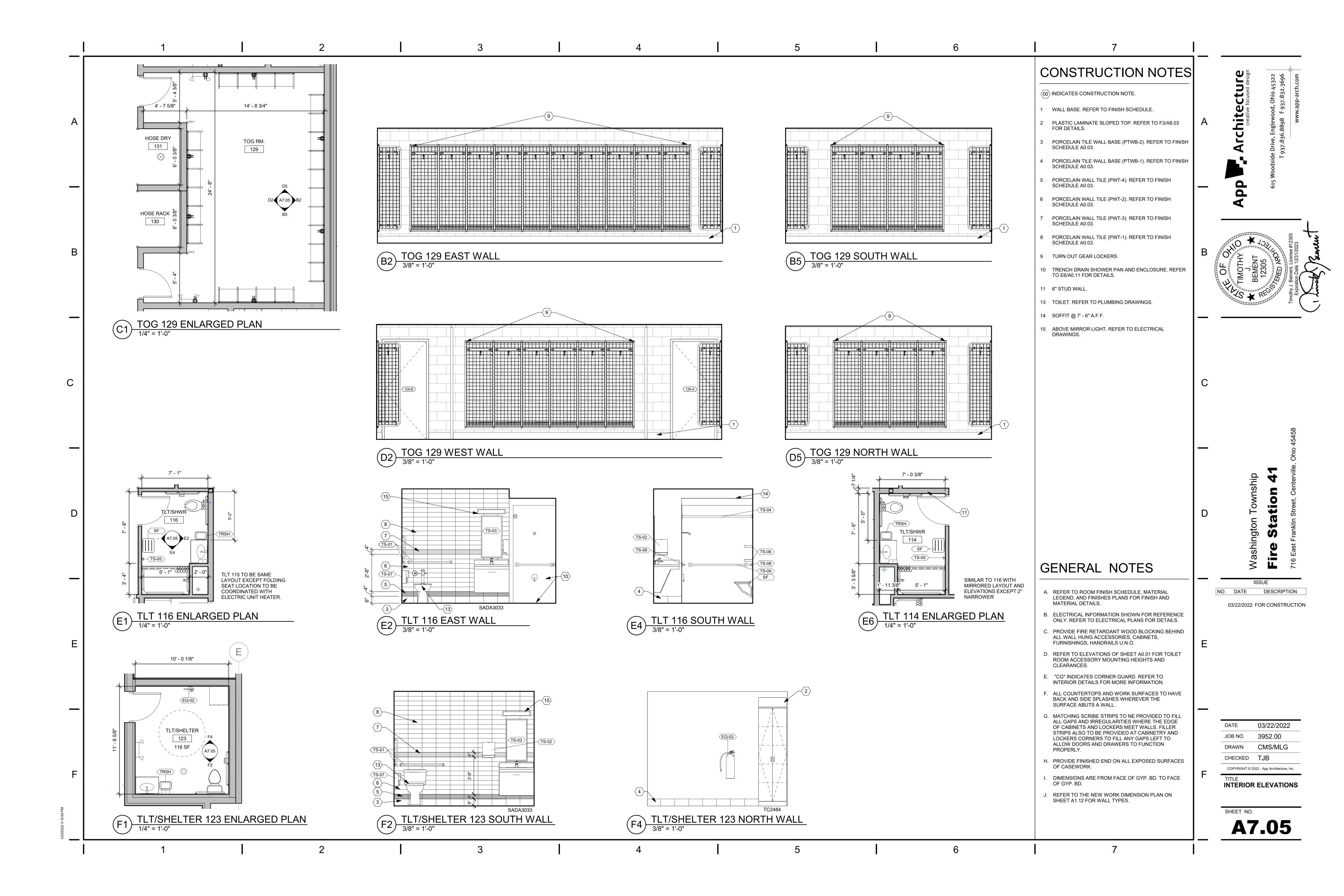


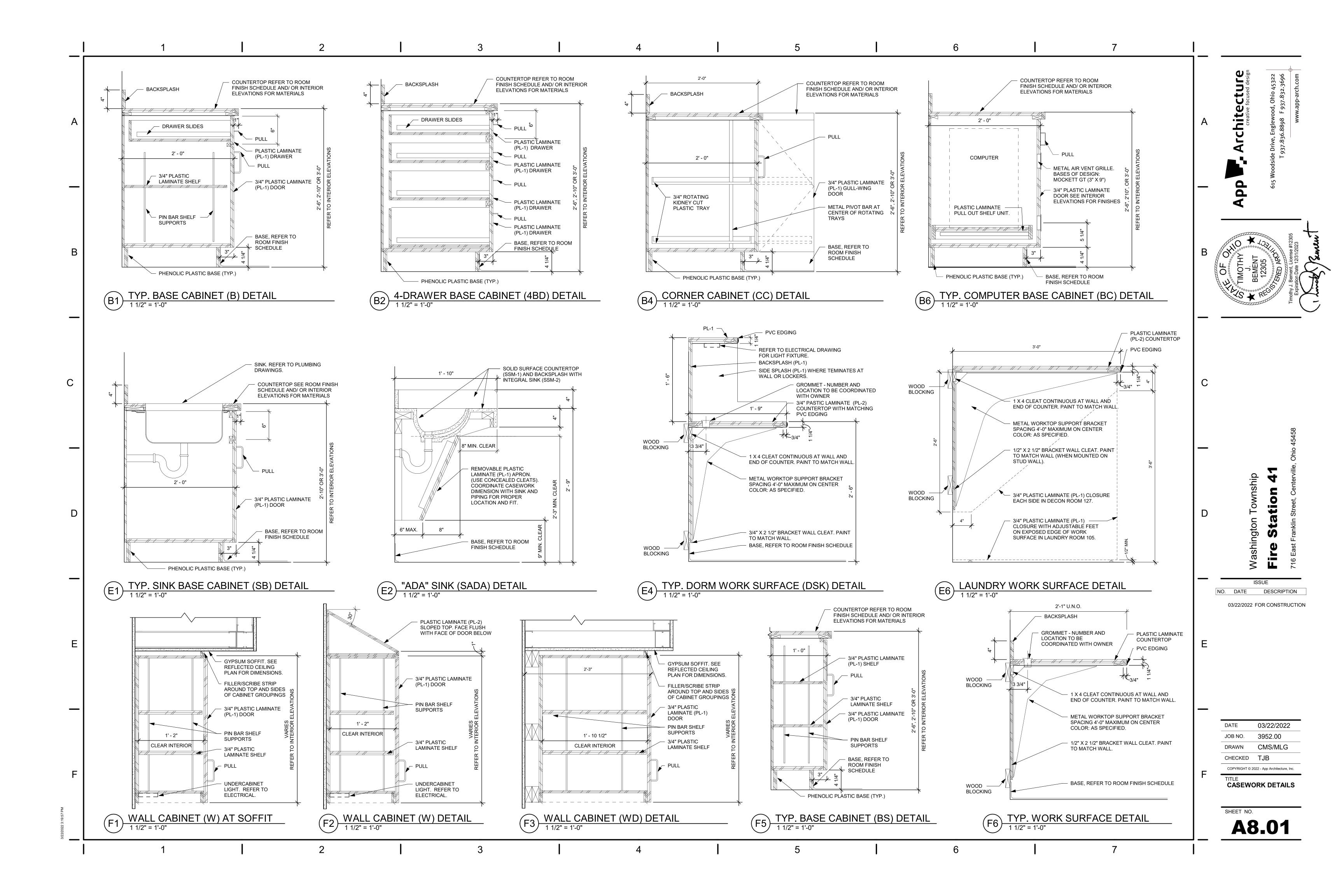


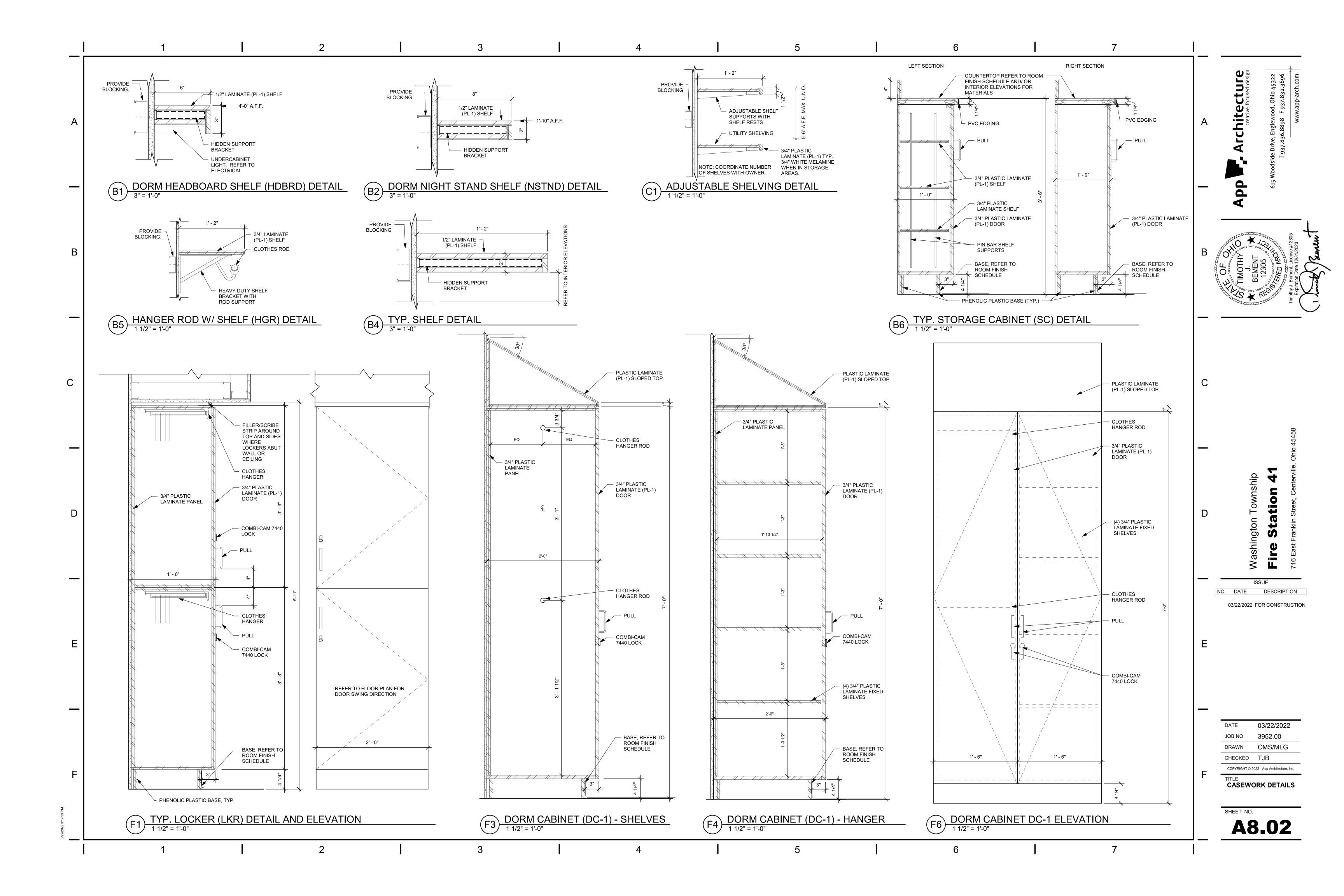


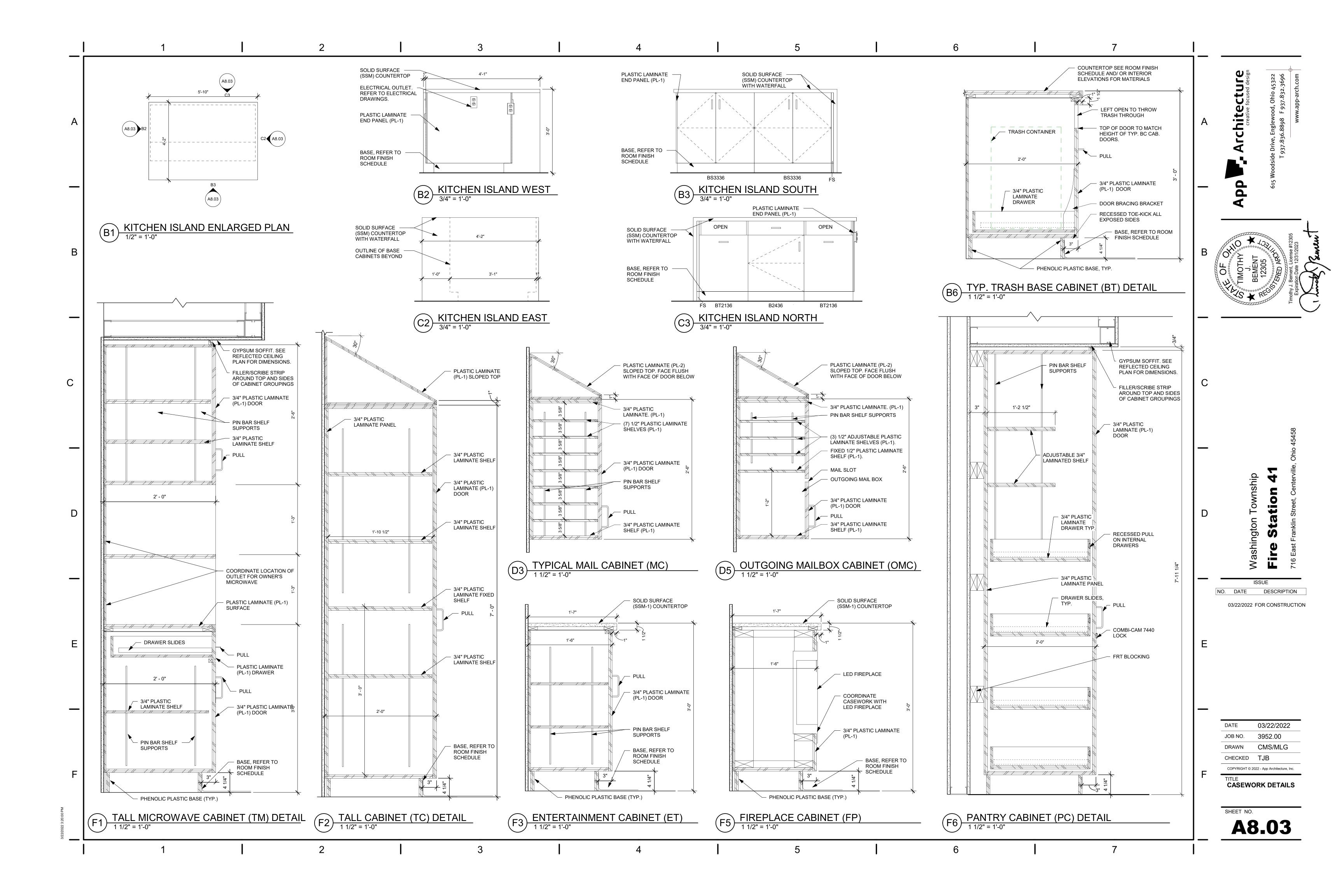


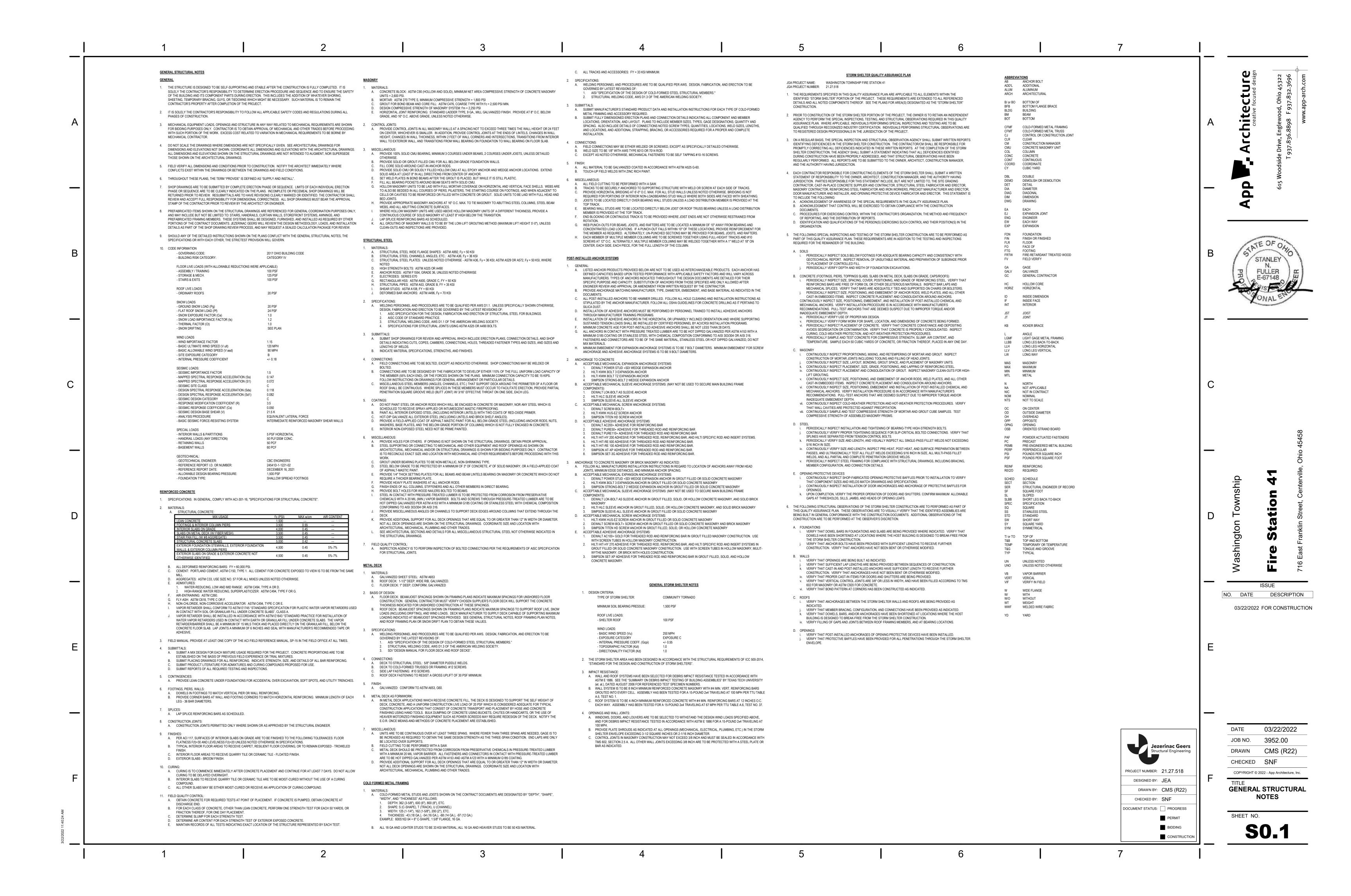


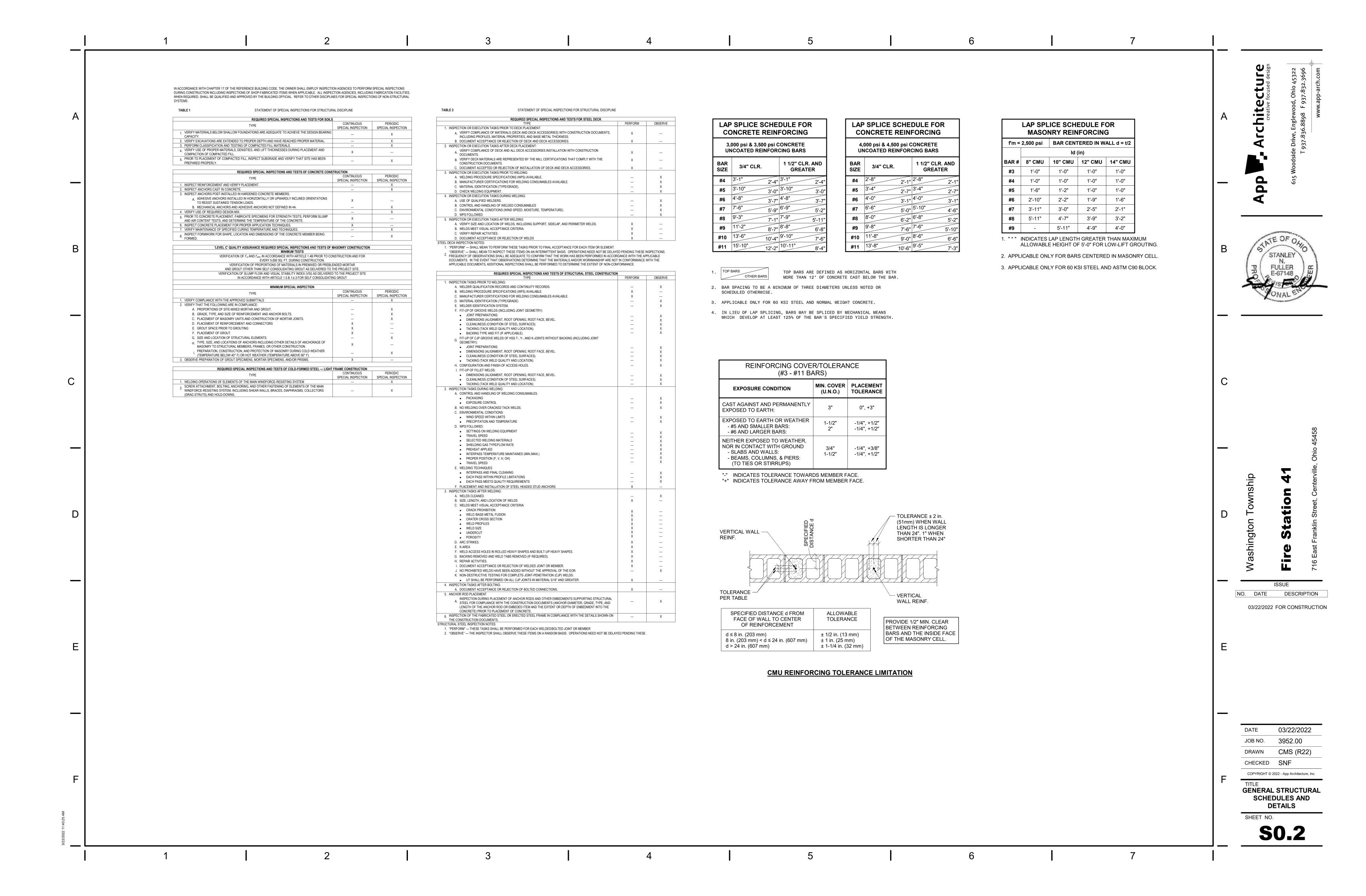




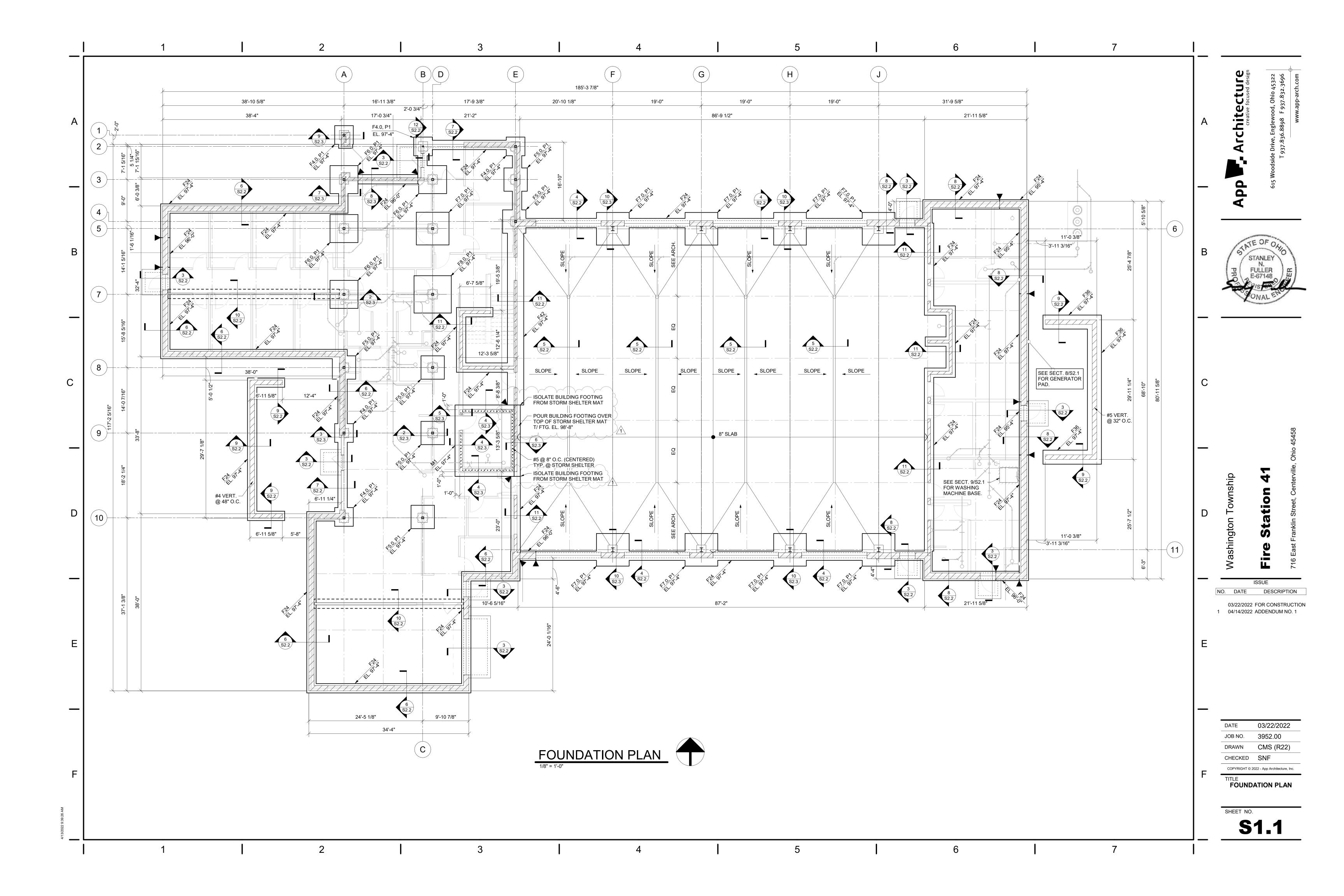


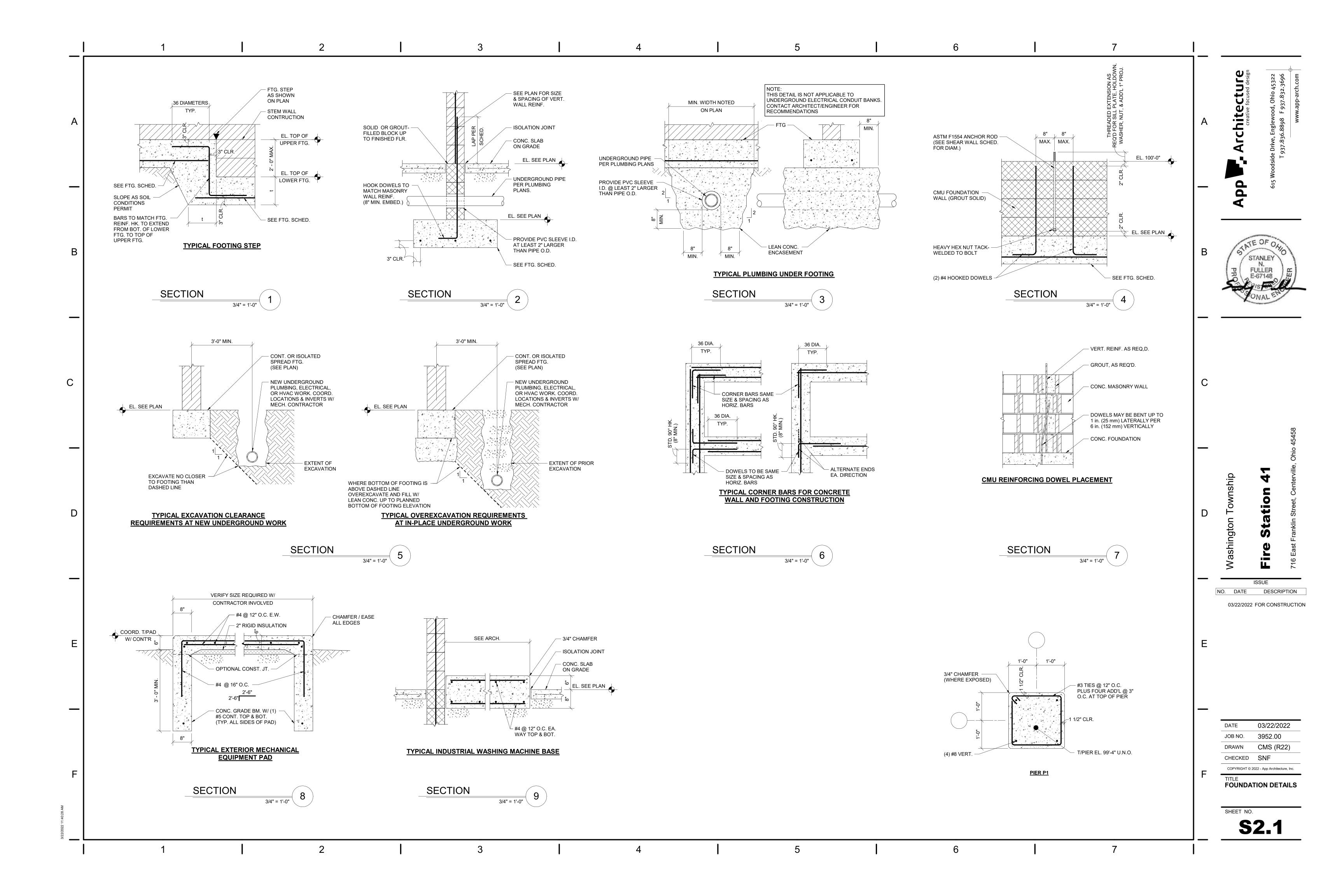


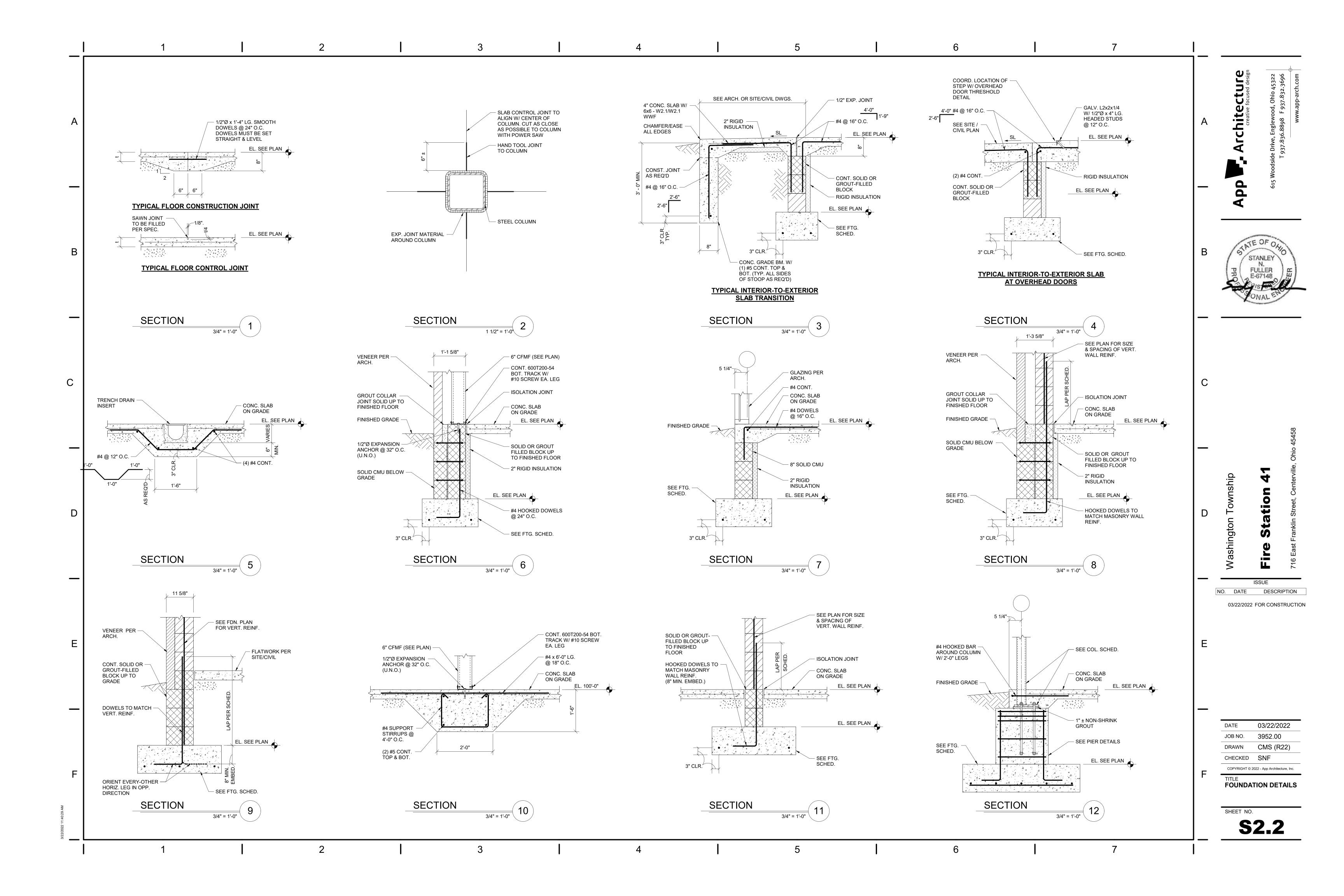


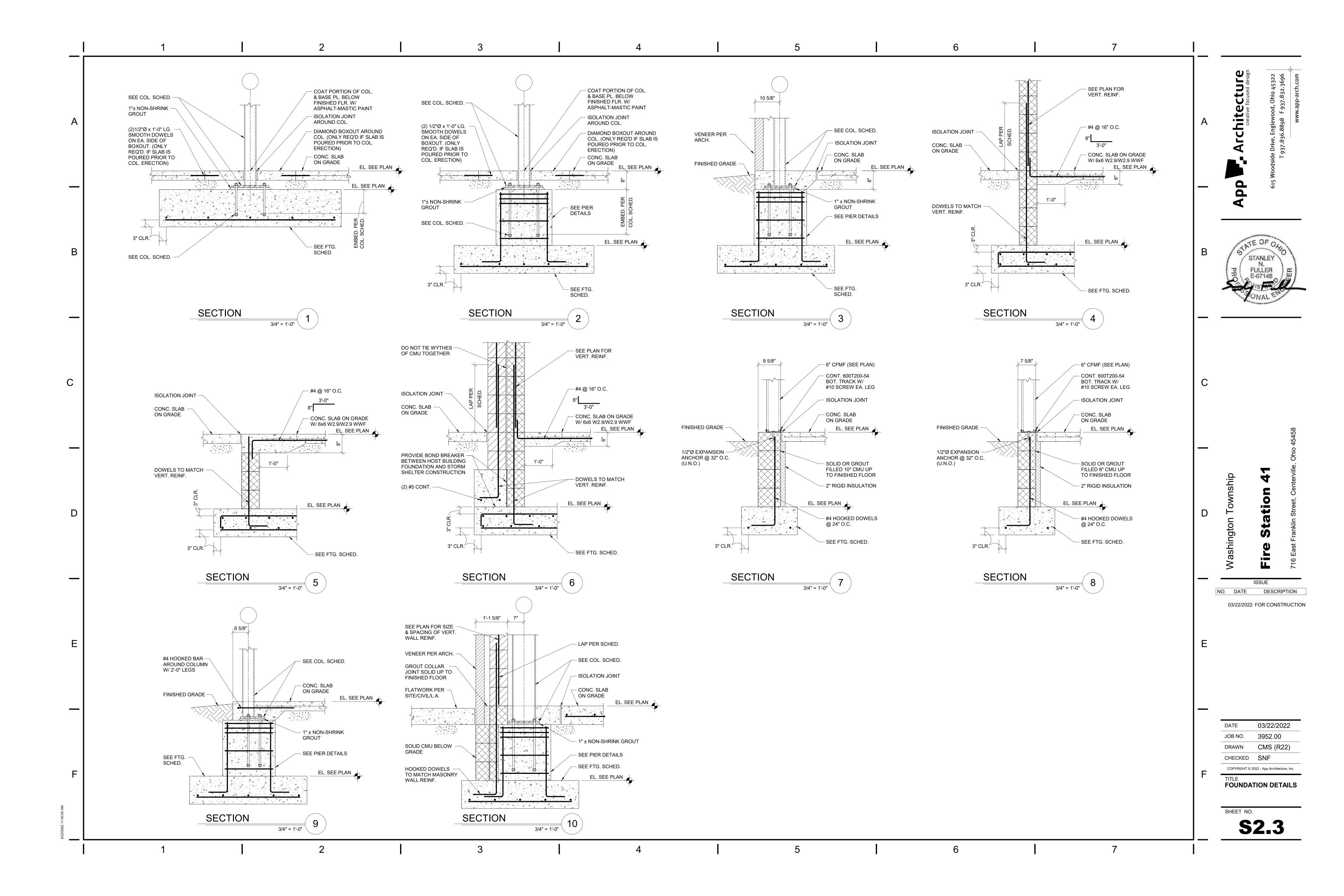


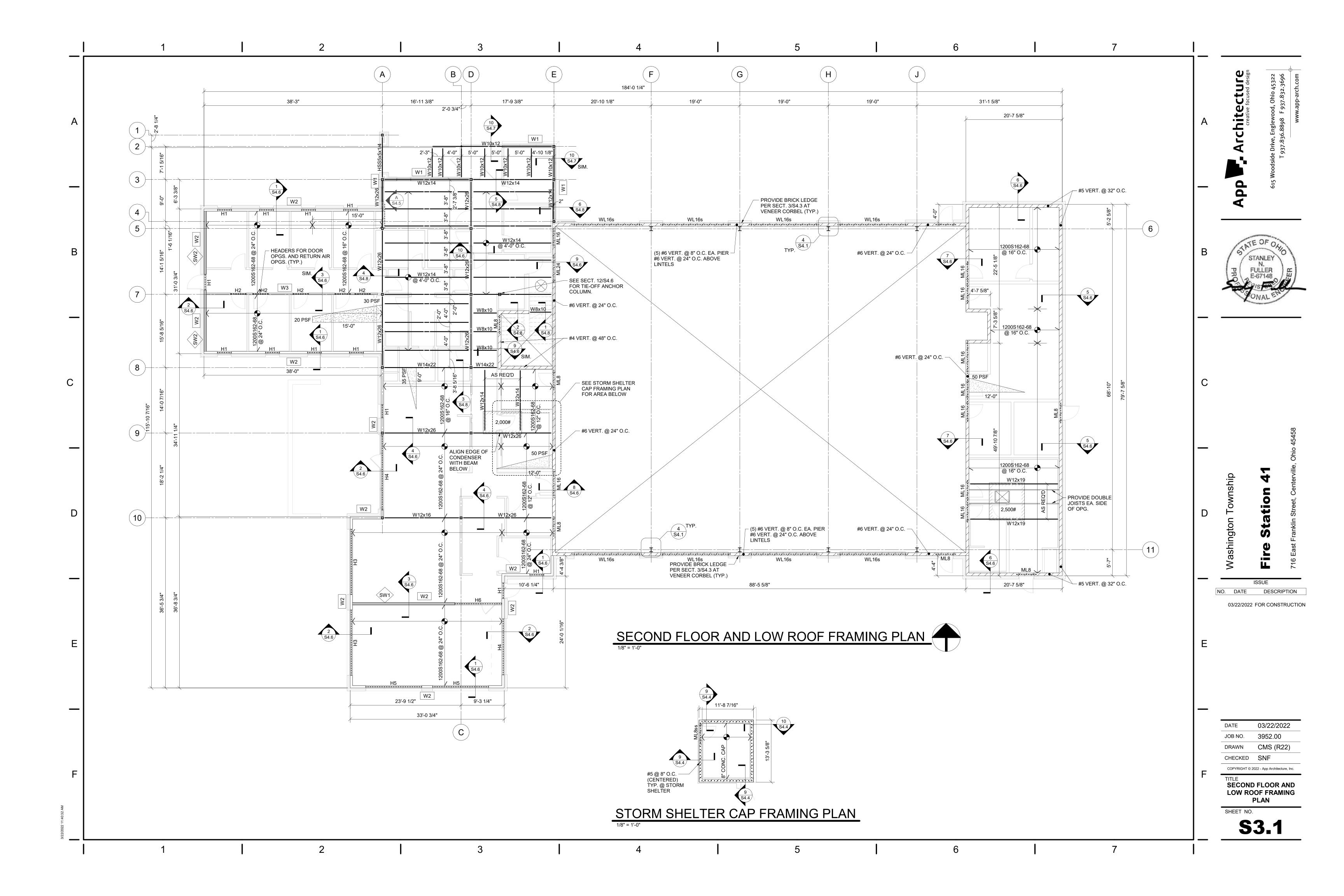
_ [1	2] 3	1	4		5	l	6	1	7		
A		F24 2'-0" x 1'-0" DP. (2): F36 3'-0" x 1'-0" DP. (3): F42 3'-6" x 1'-2" DP. (4): TS24 2'-0" x 1'-0" DP. SPREAD FOOTING SCHE MARK SIZE F4.0 4'-0" x 4'-0" x 1'-0" DP. (4) #5 F5.0 5'-0" x 5'-0" x 1'-0" DP. (5) #5 F6.0 6'-0" x 6'-0" x 1'-2" DP. (6) #6 F7.0 7'-0" x 7'-0" x 1'-2" DP. (7) #6	#5 CONT. BOTTOM #5 CONT. BOTTOM #5 CONT. BOTTOM SEE 10/S2.2			2. () I I I I I I I I I I I I I I I I I I	INDICATES WOOD PANEL SHEARWALL. NDICATES WOOD PANEL SHEARWALL. NDICATES APPROXIMATE THE LOCATION AN ITILITIES. COORDINATE THE LOCATION MECHANICAL, ELECTRICAL, PLUMBING, CONSTRUCTION. NOT ALL UNDERGROUND TRUCTURAL DRAWINGS. FOUNDATION INDERGROUND UTILITIES ARE TO BE STHE UTILITY DEPTH PER SECTION 1/52.1 (INDERGROUND UTILITIES ARE IN PLACEMENT INDICATES WOOD PANEL SHEARWALL. OR END ANCHORAGE REQUIREMENTS OF PLACED DURING FOUNDATION CONSTRUCTED TO STANDARD WITHOUT SHEARWALL. ARING PRESSURE = 1,500 PSF BASED ON ANCHORAGE REQUIREMENTS ON TO INSPECTION AND APPROVAL OF EACH OF STANDARD	ID INVERT ELEVATION OF UNDERGROUND I AND DEPTH OF ALL UNDERGROUND I AND DEPTH OF ALL UNDERGROUND AND/OR CIVIL WORK PRIOR TO IND UTILITIES ARE SHOWN ON THE INS BUILT PRIOR TO THE INSTALLATION OF TEPPED OR DROPPED COMPLETELY BELOW I AND SLEEVED PER SECTION 2/S2.1. WHERE E PRIOR TO FOUNDATION CONSTRUCTION, IN 3/S2.1. SEE SECTION 5/S2.1 FOR TRENCH REQUIREMENTS FOR WORK THAT IS LAID SEE SHEARWALL SCHEDULE ON SHEET S4.1 AND SECTION 4/S2.1 FOR ANCHOR BOLTS TO STRUCTION. DETAILS ON SHEET S2.1. IN GEOTECHNICAL EXPLORATION REPORT BY INCE THIS REPORT FOR ANY REQUIRED SOIL I-GRADE CONSTRUCTION. PLACE NO BEARING SURFACES BY SOILS ENGINEER. IS BELOW THE ADJACENT EXTERIOR FINISHED EPLACE WEAKENED SOIL WITH LEAN DIN AT TOP OF FOOTING. REFERENCE ITED ON PLANS. COORDINATE ABSOLUTE	2. < (xx)K > II COLUMN 3. SEE PLAN FOR M WHERE NO BEAF ANCHOR BOLTS AND 2/S4.3. 4. SEE SHEET S4.1 5. SEE SHEET S0.1 1. DESIGN LIVE LOA 2. FLOOR CONSTRU	SSEMBLY / TRAINING 100 PSF TORAGE & MECHANICAL 125 PSF TAIRS AND EXITS 100 PSF CTION: (OVERALL) FIBER-REINFORCED CONCRETE SLA A. METAL DECK. MESH IS TO BE SUPPORTED DL HAIRS OR BOLSTERS AT MID-DEPTH OF SLAB, H/ ECK RIBS AND THE TOP OF SLAB. WIRE MESH IS	N KIPS. FABRICATOR TO PROVIDE N. WHERE REACTIONS ARE NOT F THE UNIFORM LOAD CAPACITY TABLE 3-6 (55% EACH END). IG PLATE SIZE AND THICKNESS. F 1/4" SETTING PLATE AND 3/4" DNS AS SHOWN IN SECTIONS 1/S4.3 BW/ 4x4-W2.9/W2.9 WWF ON 1" x 22 RING CONCRETE PLACEMENT ON LIF-WAY BETWEEN THE TOP OF AN INTEGRAL COMPONENT OF THE	A	App F_ Architecture creative focused design creative focused design 615 Woodside Drive, Englewood, Ohio 45322 T937.836.8898 F937.832.3696 www.app-arch.com
В		MAT FOOTING SCHED MARK THICKNESS M1 1'-0" #8 @ 10" O HOOK E.I	DULE REINFORCING D.C. TOP EA. WAY, #4 W/ STD. E. @ 12" O.C. BOT. EA. WAY			10. PROVIDE FOUND REINFORCING AS IS INTERRUPTED DOWEL AT EACH PLACEMENT AND 11. SEE ELEVATION 12. SEE SECTION 8/5 13. SEE SHEET S4.1	ATION DOWELS TO MATCH SIZE AND S S SHOWN ON THE WALL AND/OR FRAMI	TH OF LAP SPLICES. ONRY WALL CONSTRUCTION. CAL EQUIPMENT PADS.	3. II A T T E A T PLAN FOR OTHEI FLOOR SLAB ON S. SLABS ON METAI APPLICABLE AT C MAY, THEREFOR	LAB DESIGN AND MAY NOT BE REPLACED WITH I S4.4 FOR TYPICAL DECK ATTACHMENT TO SUPP IDICATES FLOOR OPENING. DETERMINE EXACT RCHITECTURAL AND MECHANICAL DRAWINGS. NEES TRUCTURAL DRAWINGS. SEE SECTION 64 SECTION 10 TREQUIRED FOR OPENINGS LESS THAN 12" SOURCE OF DIFFERENCE ELEVATIONS. REFERENCE ELEVATIONS. REFERENCE ELEVATIONS. REFERENCE ELEVATIONS. DECK ARE TO BE FINISHED TO A THEORETICAL OLUMNS, BEARING WALLS, AND OTHER RIGID SIE, BE THICKER AT MID-SPAN OF SUPPORT DUE TO CONTRACTOR IS TO CONSIDER THE VOLUME OF	DRTING STRUCTURE. SIZE AND LOCATION FROM IOT ALL OPENINGS ARE SHOWN ON 4 FOR FRAMING OF ALL OPENINGS METER. ADDITIONAL FRAMING IS UARE. INLESS NOTED OTHERWISE. SEE ATION 100'-0" = TOP OF FIRST LEVEL. THICKNESSES GIVEN ARE IPPORTING ELEMENTS. SLABS D DEFLECTION UNDER WET	В	STANLEY N. FULLER E-67148 ONAL
С		WALL SCH MARK STUD SIZE AND SPACING W1 600S162-43 @ 16" O.C. W2 600S162-54 @ 16" O.C. W3 362S162-54 @ 16" O.C. WALL SCHEDULE NOTES: 1. BEARING WALL STUDS ARE TO ALIGN DIRECTL' IS SUPPORTING. 2. REVIEW ALL FRAMING DETAILS FOR TYPICAL A CONDITIONS, BRIDGING, AND BLOCKING REQUI	COMMENTS Y BELOW THE JOIST OR TRUSS THAT THE WALL RRANGEMENT OF STUDS, BEARING IREMENTS.			E C V E F F	"CONCRETE SLAB ON GRADE W/ 6x6 W ARRIER, OVER 4" COMPACTED STONE DURING CONCRETE PLACEMENT ON CH WIRE MESH ON THIS PROJECT IS AN INI DESIGN AND MAY NOT BE REPLACED W LOOR ELEVATIONS. COORDINATE TOF RCHITECTURAL FINISHED FLOOR PROI "CONCRETE SLAB ON GRADE W/ #5 RE DVER 6" COMPACTED STONE SUBBASE.	SUBBASE. MESH IS TO BE SUPPORTED AIRS OR BOLSTERS AT MID-DEPTH OF SLAB. ITEMS ALONG THE FOUNDATION ITH FIBER ADDITIVE. SEE PLAN FOR FINISHED OF SLAB ELEVATION WITH THICKNESS OF DUCTS. EINFORCING BARS AT 18" O.C. EACH WAY, BARS ARE TO BE SUPPORTED DURING BOLSTERS AT MID-DEPTH OF SLAB. SEE	2. ROOF CONSTRU 1 A 5 V T N	OOF LIVE 20 PSF OOF SNOW 24 PSF + DRIFT	TED SHEATHING, EXPOSURE 1, b. 8 SCREWS FOR FRAMING FOR FRAMING MEMBERS OVER 54 DGES AND 12" O.C. AT ALL	C	
		 ALL MULTIPLE MEMBERS SHALL BE INTERCONN ON CENTER OR 1" WELDS AT 18" ON CENTER. ALL ENDS OF AXIAL LOAD BEARING WALL STUE BE SEATED TIGHT AGAINST TRACK WITH A MAXEND OF THE STUD AND THE WEB OF THE TRAC ALL STUDS SHALL OF ONE CONTINUOUS MEMBAPPROVED DESIGN. 	OS SHALL HAVE SQUARE END CUTS AND SHALL KIMUM GAP TOLERANCE OF 1/8" BETWEEN THE EK.			3. REFER TO DIVISIDIVISION 3 FOR V	OINTS ARE TO BE LOCATED IN AREAS SOLC. UNLESS DIMENSIONED OTHERWISS PETAIL 2/S2.2. COORDINATE CONTILOOR FINISH PATTERNS.	R TO EXTERIOR SLAB ON GRADE	3. III A A A A A A A A A A A A A A A A A	LOCKED UNLESS NOTED OR DETAILED OTHERW IDICATES ROOF OPENING. DETERMINE EXACT SI RCHITECTURAL AND MECHANICAL DRAWINGS. NE SECTIONS 7/8 LL OPENINGS EQUAL TO OR GREATER THAN 12" PENING IS NOT TO EXCEED THE TYPICAL CLEAR EMBERS OR TRUSSES. NOTIFY THE ARCHITECT ANNOT BE FIT BETWEEN FRAMING MEMBERS. IDICATES SNOW DRIFT LOAD ON ROOF. IPAL STEEL, JOIST BEARING, OR TRUSS BEARING /ATION 100'-0" = TOP OF FIRST FLOOR SLAB ON (SE. ZE AND LOCATION FROM IOT ALL OPENINGS ARE SHOWN ON 4.4 AND 8/S4.4 FOR FRAMING OF SQUARE OR DIAMETER. SIZE OF DISTANCE BETWEEN FRAMING BEFORE PROCEEDING IF OPENINGS	_	hip 41 anterville, Ohio 45458
D		MARK MAIN MEMBERS TRACK TOP & BOT. H1 600\$162-54 600\$T125-43 H2 600\$162-54 362\$T125-43 H3 800\$162-54 600\$T125-54 H4 1000\$162-54 600\$T125-54 H5 1000\$162-54 600\$T125-54 H6 1200\$200-54 600\$T125-43	HEADER SCHEDULE SILL TRACK JAMB STUDS EA. END CONNECTION SCREWS EA. END 600T125-43 1 (6) #10 - 1 (6) #12 600T125-54 2 (8) #12 - 2 (10) #12 600T125-54 2 (10) #12 - 2 (12) #12	COMMENTS		2. ROOF CONSTRU	ROOF LIVE 100 PSF CTION: "THICK CAST-IN-PLACE CONCRETE SLICEINFORCING SIZE, SPACING, LAYOUT, NDICATES OPENING IN CAP. DETERMIN RCHITECTURAL AND MECHANICAL DRA HE STRUCTURAL DRAWINGS. PROVIDILL LICTURAL ORAWINGS. PROVIDILL LICTURAL ORAWINGS (MECHANICAL, ELI- IQUARE INCHES OR 2-1/16 INCH DIAMET	AB. SEE PLANS AND/OR SECTIONS FOR AND POSITION. E EXACT SIZE AND LOCATION FROM AWINGS. NOT ALL OPENINGS ARE SHOWN ON E PLATE SHROUDS PER SECTION 7/S4.3 AT ECTRICAL, PLUMBING, ETC.) EXCEEDING 3-1/2	2. WL(d) II S 3. VL(d) II V 4. SEE PLAN FOR V OF WALL UNLES: INTERRUPTED BY REINFORCING BA	MASONRY WALL NOTES IDICATES MASONRY BOND BEAM LINTEL PER SE CHEDULED BOND BEAM LINTELS FOR ALL EXPOS RCHITECTURAL OPENINGS IN MASONRY WALLS IDICATES WIDE-FLANGE STEEL BEAM LINTEL PEI ETTING PLATE AND 3/4" ANCHOR BOLTS EACH EI IDICATES VENEER LINTEL PER SECTION 3/S4.2. I ENEER LINTELS FOR ALL OPENINGS IN BRICK OF OTED OTHERWISE. ERTICAL MASONRY WALL REINFORCING. ALL RE INOTED OTHERWISE. WHERE SPACING OF VER OPENING IN WALL (DOOR, WINDOW, LOUVER, E R AT EACH JAMB FOR EACH 6'-0" OF OPENING W I OF LAP SPLICES.	ED NON-LOADBEARING JNLESS NOTED OTHERWISE. R SECTION 2/S4.2. PROVIDE 1/4" JD PER SECTION 1/S4.3. JSE STANDARD SCHEDULED MASONRY VENEERS UNLESS NFORCING IS TO RUN FULL HEIGHT ITCAL REINFORCING IS TC.) PROVIDE ONE FULL-HEIGHT	D	Vashington Towns Fire Station 16 East Franklin Street, Ce
_ _ F		HEADER SCHEDULE NOTES: 1. ALL HEADER MEMBERS AND JAMB STUDS SHAI 2. PUNCHED WEB OPENINGS ARE NOT PERMITTE 3. SEE FRAMING SECTIONS FOR TYPICAL HEADER 4. PROVIDE 'H1' HEADERS FOR ALL OPENINGS NO	R, SILL, AND JAMB FRAMING CONSTRUCTION.	ERS IS NOT PERMITTED.		ELECTRICAL, PLI 6. CONSTRUCT CO	SHROUDS PER SECTIONS 8/S4.3 AND 9, JMBING, ETC.) EXCEEDING 3-1/2 SQUAF RNERS OF STORM SHELTER MASONRY FOR GENERAL STRUCTURAL INFORMA [*]	WALLS PER DETAIL 5/S4.3.	WIDTH, HEIGHT, HEIGHT, AND ELE 6. LINTELS ARE NO VENEERS LESS TO REQUIREMENTS ON INDIVIDUAL P 7. SEE ELEVATION CORNER BARS A LEDGE ANGLES FOR INDICATED TO BE 8. PROVIDE CONTR THE WALL HEIGHT CONTROL JOINTS THICKNESS, WIT	DL JOINTS IN ALL MASONRY WALLS AT A SPACIN T OR 24 FEET ON CENTER, WHICHEVER IS SMAL & AT THE ENDS OF LINTELS, CHANGES IN WALL H HIN 2 FEET OF WALL CORNERS AND INTERSECTI OR WALL, AND TRANSITIONS FROM WALL BEARII	DORDINATE LOCATION, WIDTH, PROPRIATE TRADE CONTRACTOR. THAN 16" WIDE AND IN BRICK ORDINATE ALL OPENING SECTION 4/S4.2 FOR SPACING LIMITS L CONSTRUCTION. PROVIDE R DETAIL 5/S4.2. INSTALL VENEER ITIONING OF REINFORCING BARS G NOT TO EXCEED THREE TIMES LER. IN ADDITION, PROVIDE EIGHT, CHANGES IN WALL DNS, TRANSITIONS FROM INTERIOR	<u> </u>	ISSUE NO. DATE DESCRIPTION 03/22/2022 FOR CONSTRUCTION
_		SW1 1/2" GYP WALLBOARD BOTH SID SW2 1/2" GYP WALLBOARD BOTH SID SHEARWALL SCHEDULE NOTES:	SHEATHING PANEL FASTENING FASTENER PANEL FIELD SOLE PLATE FIELD ES #6 7 7 1/2" EXPANSION A ES #6 7 7 1/2" EXPANSION A	ANCHORS @ 24" 2 S/HDU4	END ANCHORAGE Z-SDS2.5 W/ 1/2" ANCHOR ROD 1-SDS2.5 W/ 5/8" ANCHOR ROD	COMMENTS			JAMBS OF STORI 10. SEE SHEET S0.1 1. TYPICAL WALL S A L	ENERS OF STORM SHELTER MASONRY WALLS PER INSTRUCTURAL INFORMATION. STUD WALL NOTES HEATHING: 8" GYPSUM WALLBOARD. PROVIDE No. 6 x 1-1/4" ROUND ALL PANEL EDGES AND AT 7" O.C. FOR A NLESS NOTED OR SCHEDULED OTHERWISE. ALL	TYPE S OR W SCREWS AT 7" O.C. LL INTERMEDIATE SUPPORTS	_	
F		2. FASTENER SUBSTITUTIONS ARE NOT PERMITTE	IDS, BLOCKING, BLOCKING LAID FLATWAYS AGAINST SHE ED, UNLESS APPROVED ENGINEER REVIEW IS COMPLETE ITYPICAL CONSTRUCTION DETAILS INDICATED THROUGH TOM PLATE SPLICING DETAIL.	ED AT CONTRACTOR'S EXPENSE.					2. H(x) II F S S C 3. # II 4. SW# II 5. WALL STUDS AR WHERE STUDS AR FULL-HEIGHT KIN 6. PROVIDE STUD E PANELS NEED NO THE ARCHITECT	IDICATES OPENING HEADER PER SECTION 1/S4.4 DR LOCATION, EXTENT, AND ELLEVATION OF ALL CHEDULE FOR SIZES AND SUPPORT REQUIREME ONSTRUCTION WHERE APPLICABLE. IDICATES BUILT-UP STUD COLUMN WITH NUMBE HE COLUMN. PROVIDE A MINIUM OF TWO FULL-HEADERS UNLESS NOTED OR SCHEDULED OTHER IDICATES SHEARWALL. SEE SHEARWALL SCHEI TTACHMENT, BLOCKING, AND ANCHORAGE REQUIREMENT, BLOCKING, AND ANCHORAGE REQUIREMENT OF STUD AT EACH JAMB FOR EACH 2'-0" OF OPEN RIDGING/BLOCKING AT 4'-0" O.C. FOR ALL METAL IT BE BLOCKED, PROPRIETARY BRIDGING SYSTEP PRIOR TO CONSTRUCTION. SIONS SHOWN ARE TO FACE OF STUD.	DPENINGS. SEE HEADER NTS. SEE SECTION 2/S4.4 FOR SILL R OF STUDS REQUIRED TO CREATE EIGHT STUDS AT ALL BEAMS AND WISE. ULE FOR SHEAR PANEL JIREMENTS. WALL UNLESS NOTED OTHERWISE. LOUVER, ETC.) PROVIDE ONE NG WIDTH. STUD WALLS. WHERE SHEATHING	F	DATE 03/22/2022 JOB NO. 3952.00 DRAWN CMS (R22) CHECKED SNF COPYRIGHT © 2022 - App Architecture, Inc. TITLE STRUCTURAL PLAN NOTES AND SCHEDULES
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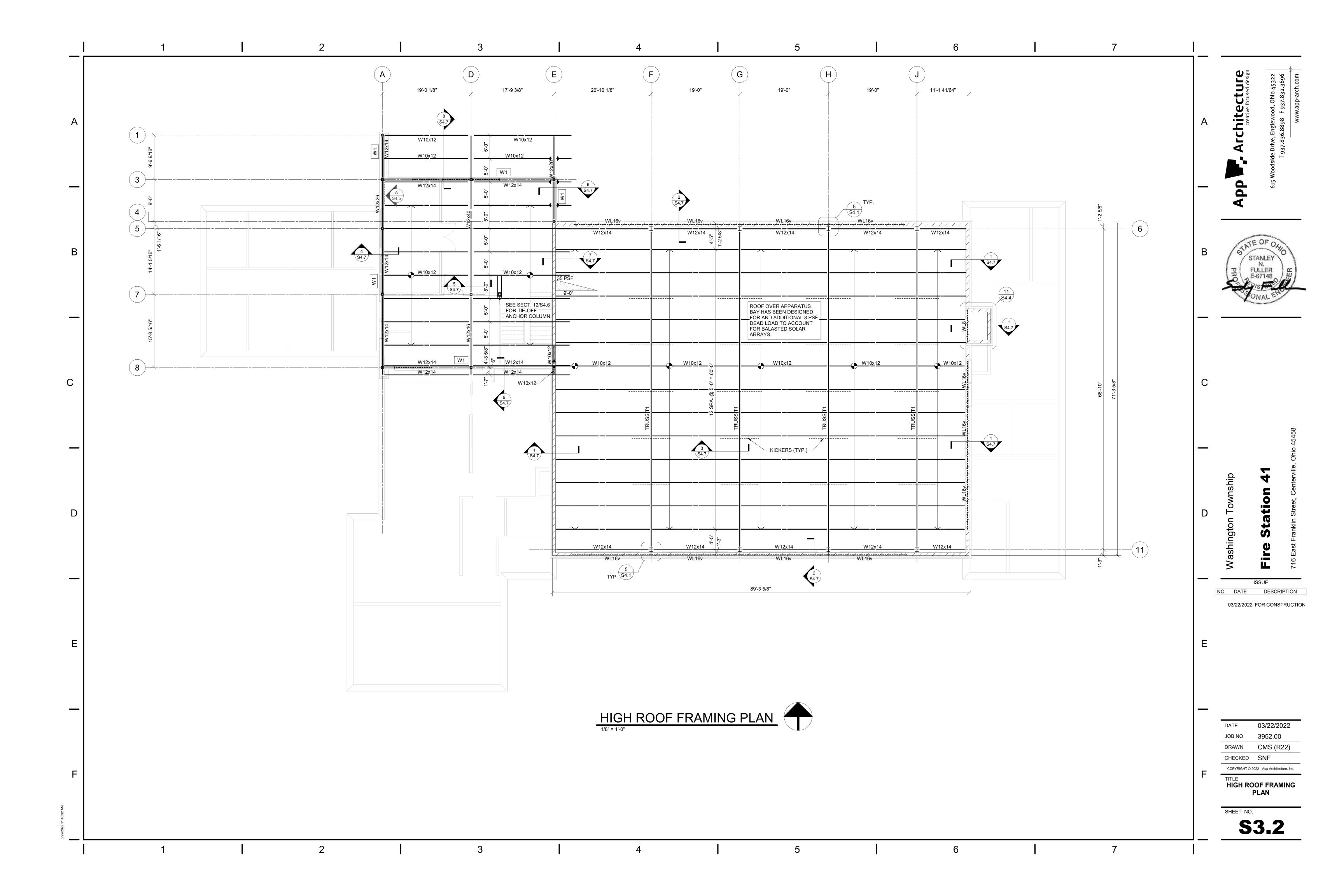


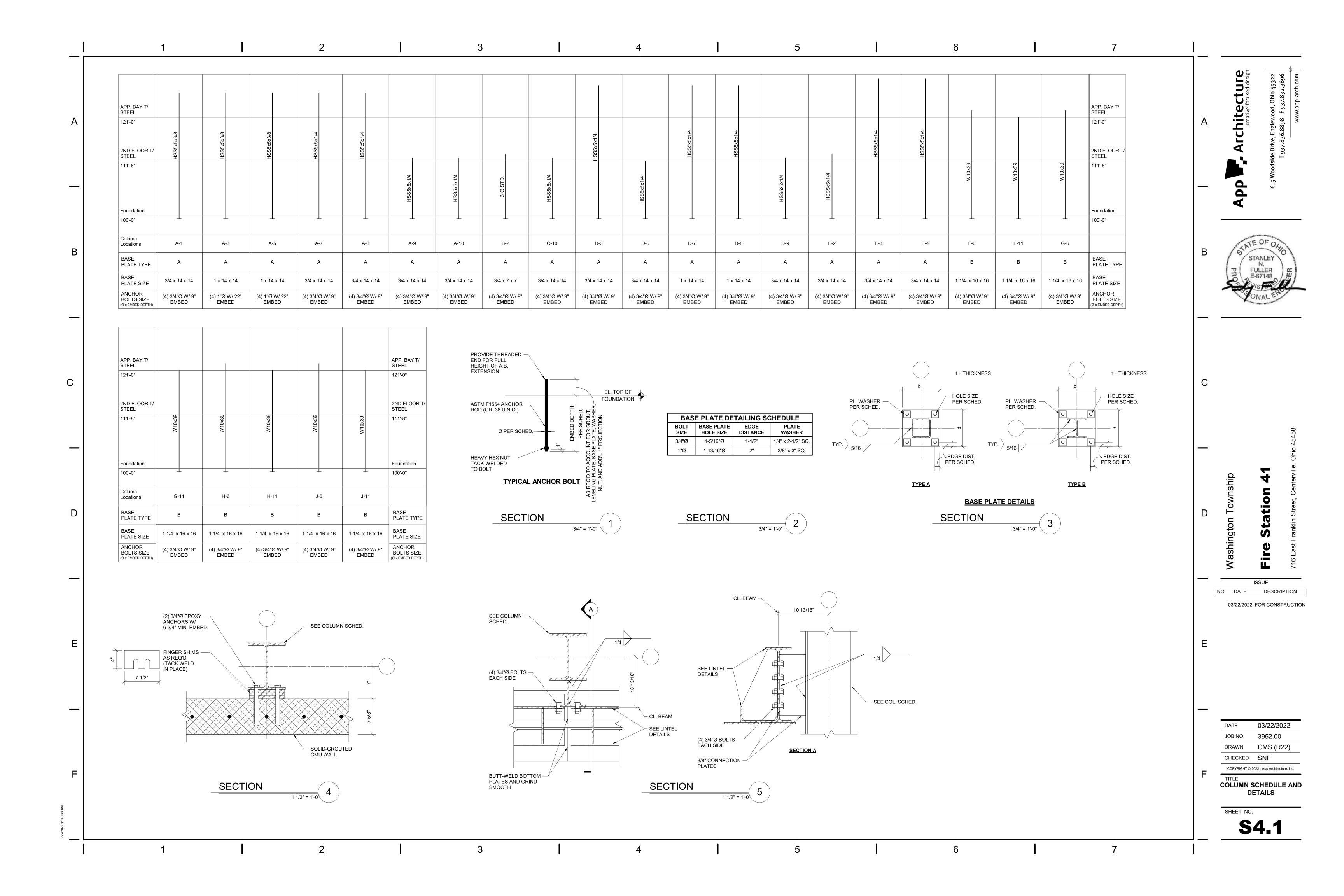


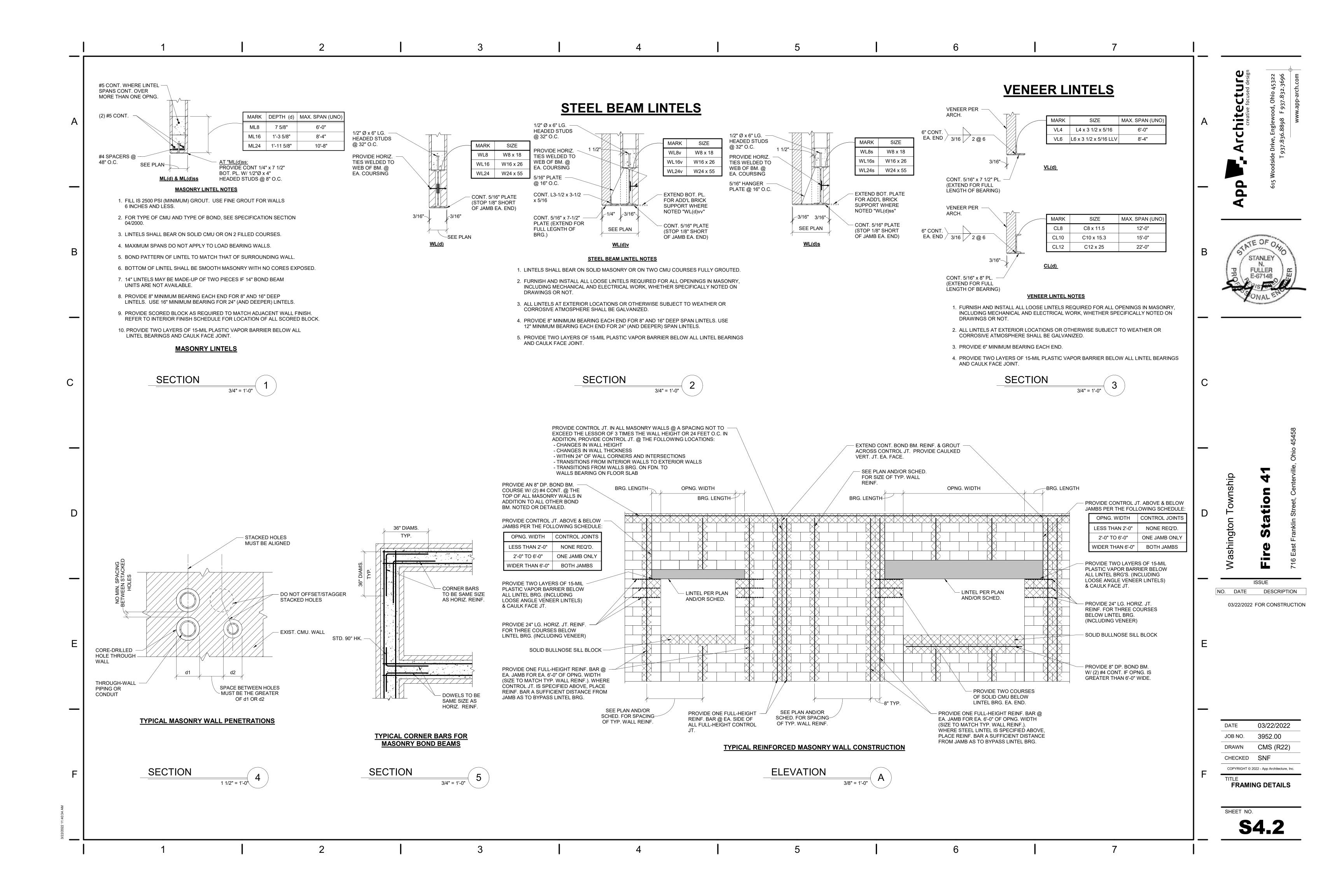


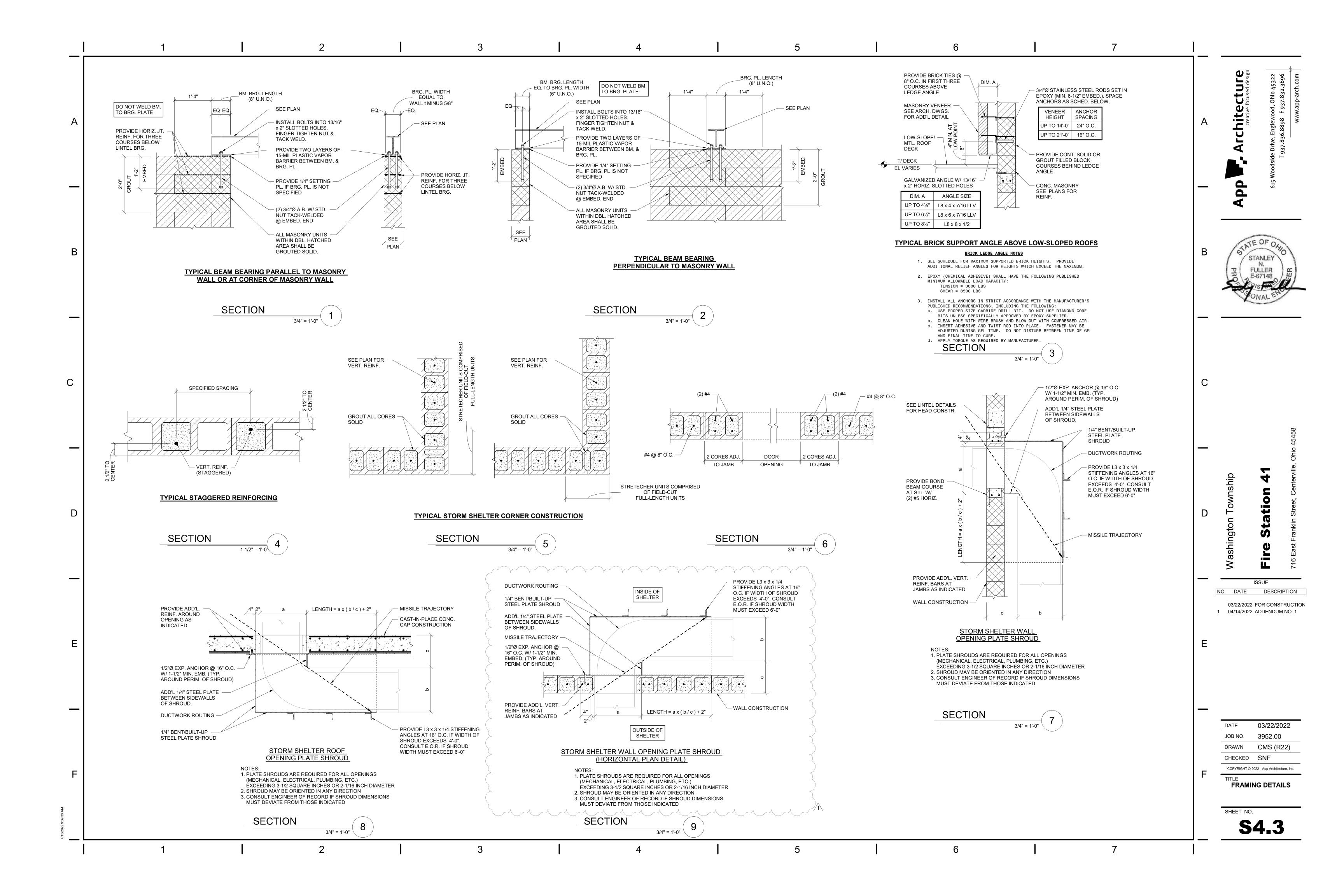


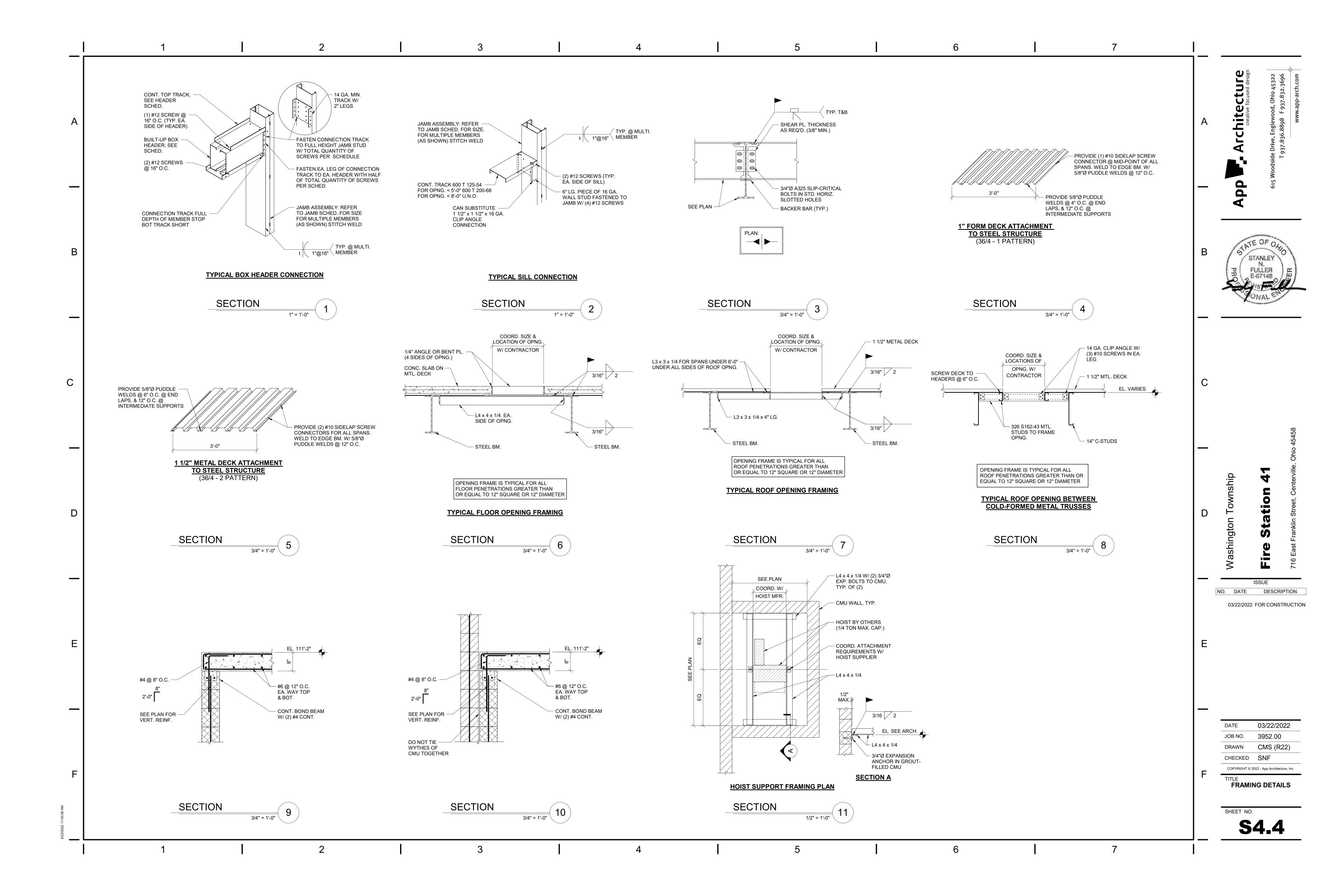


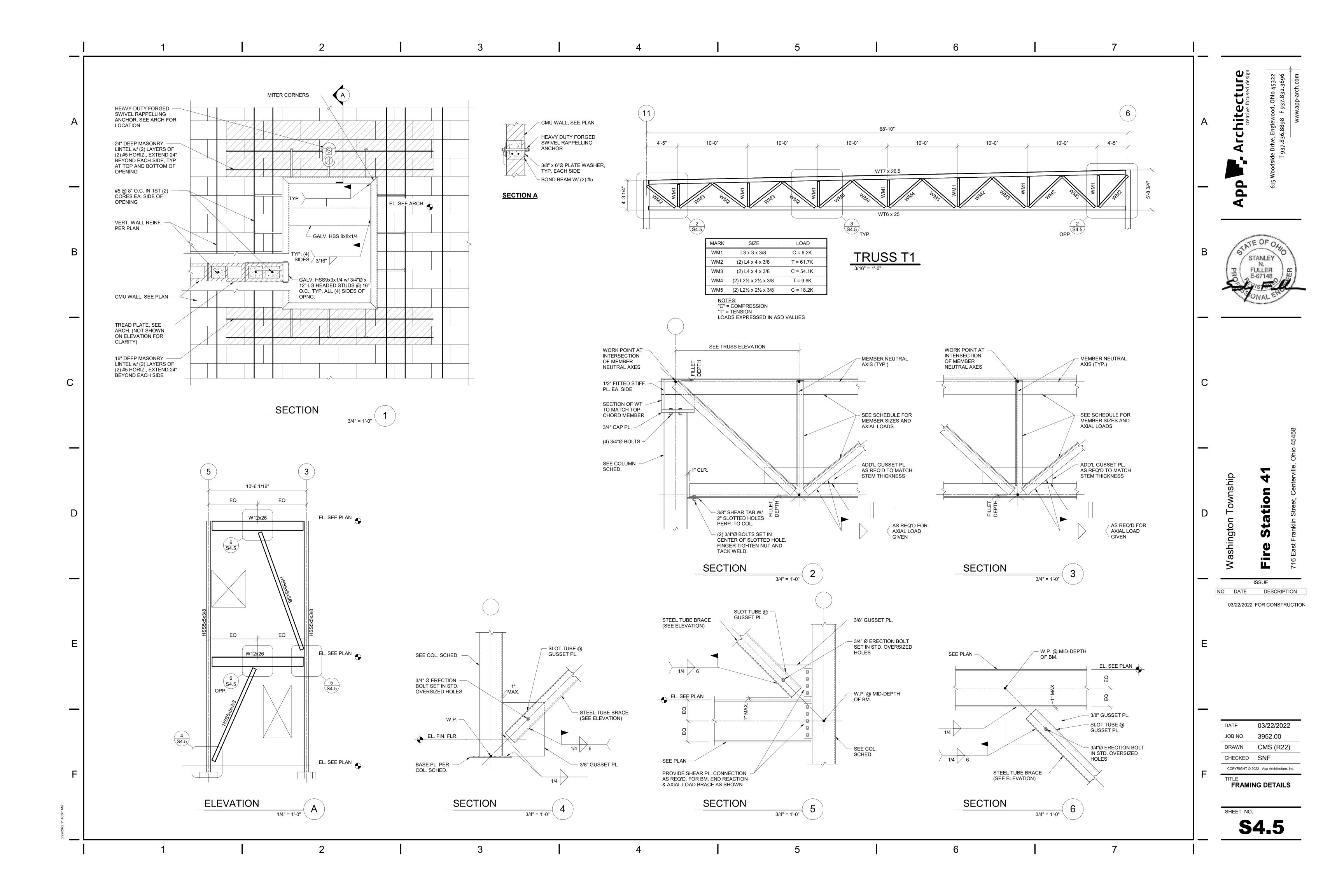


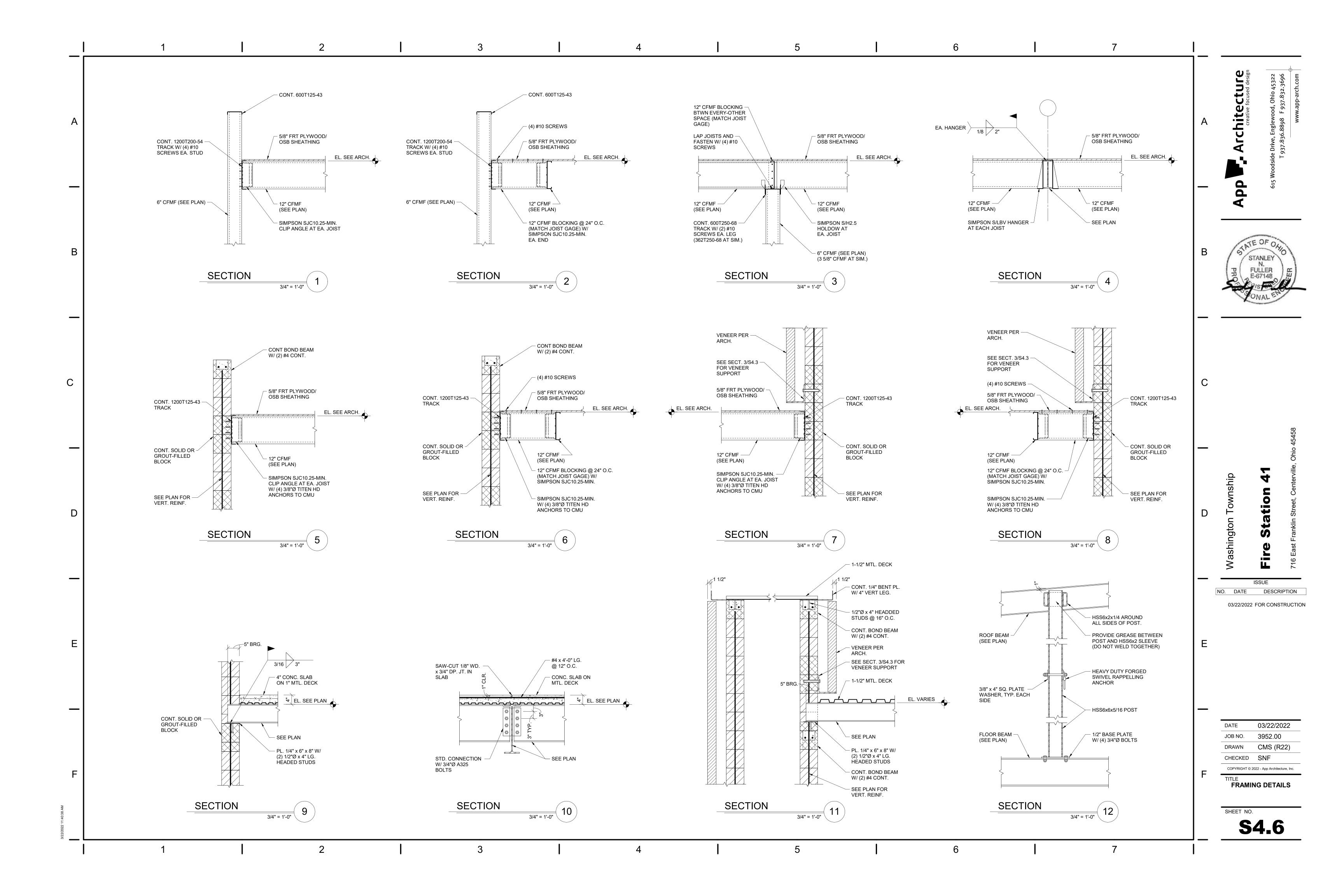


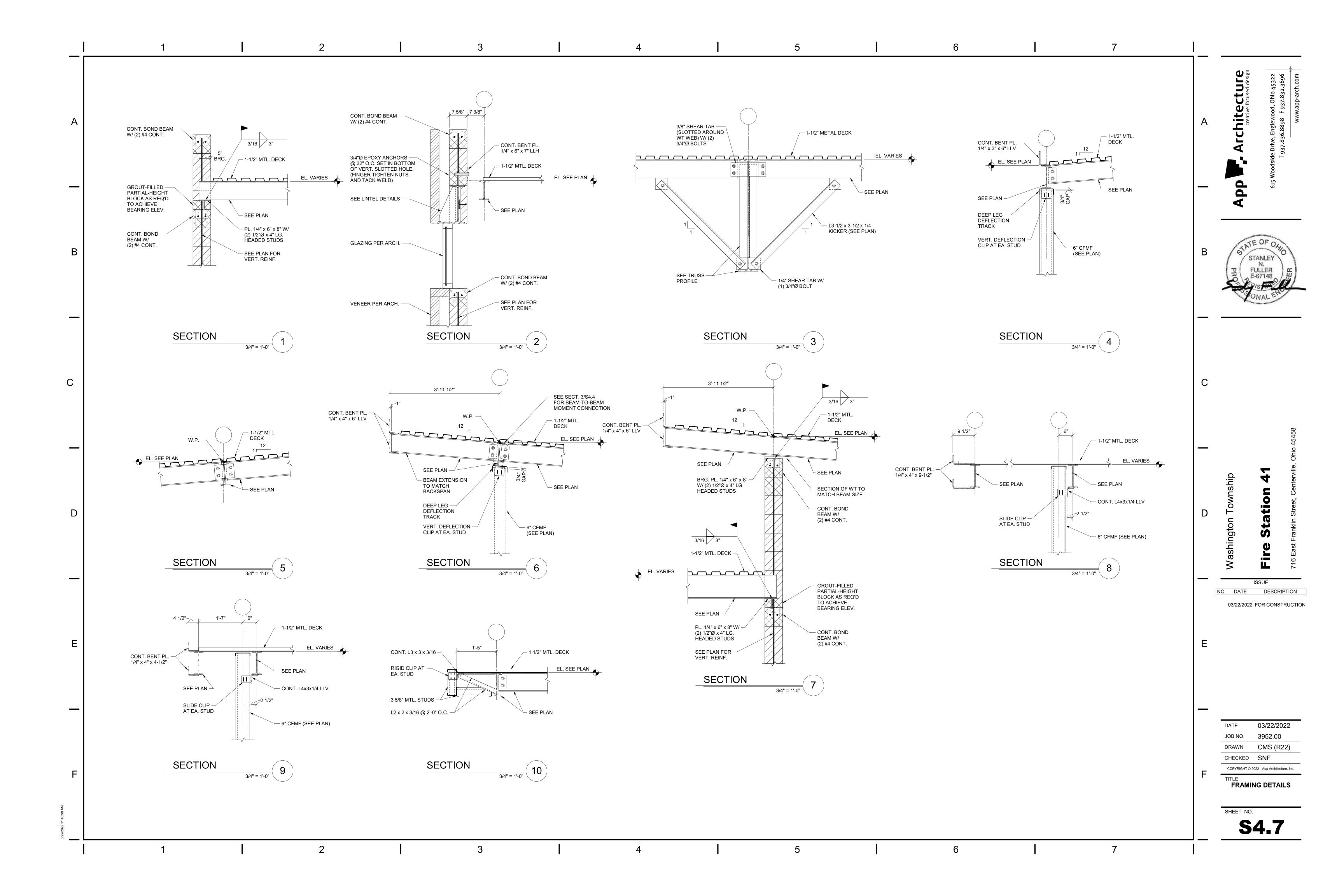


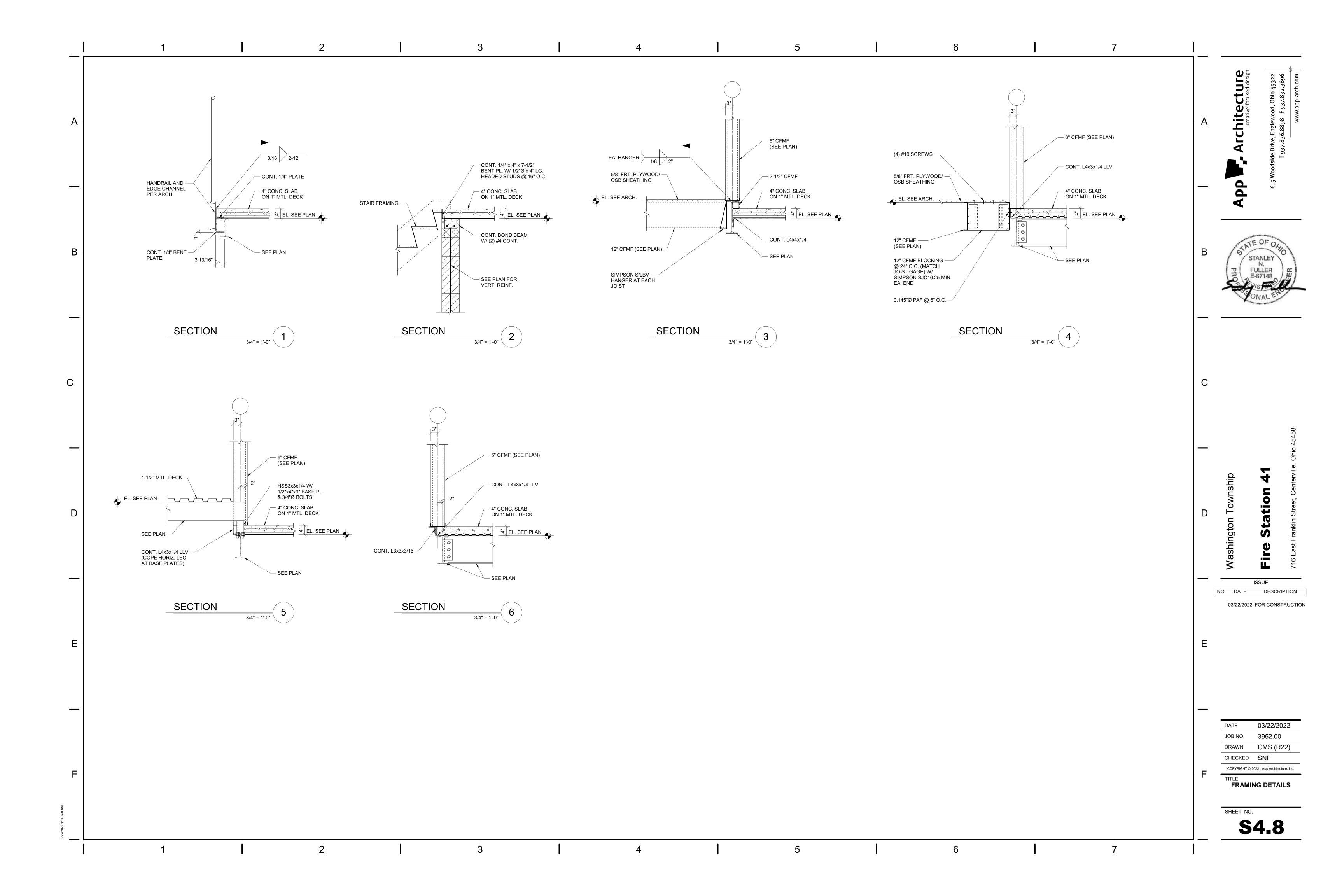




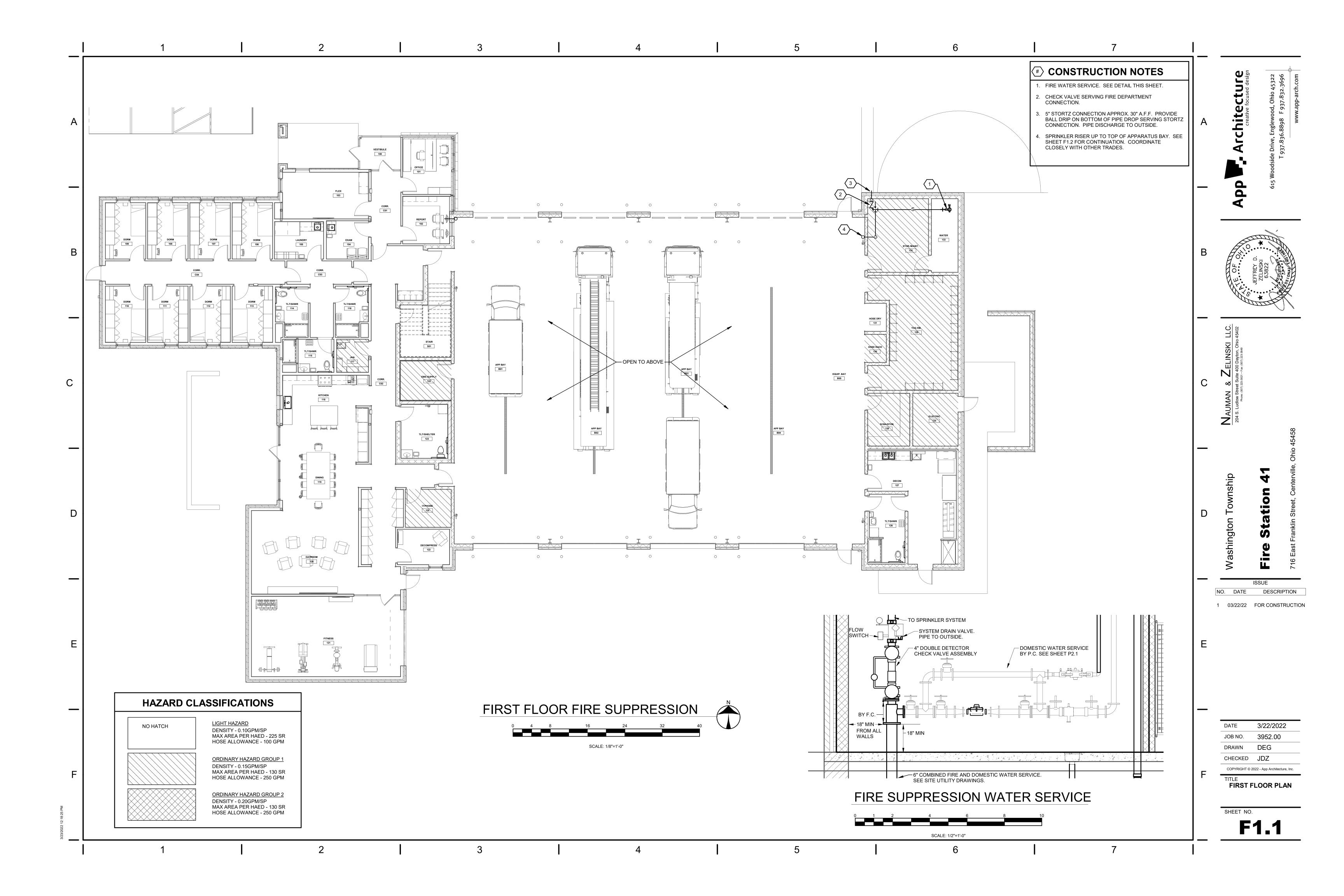


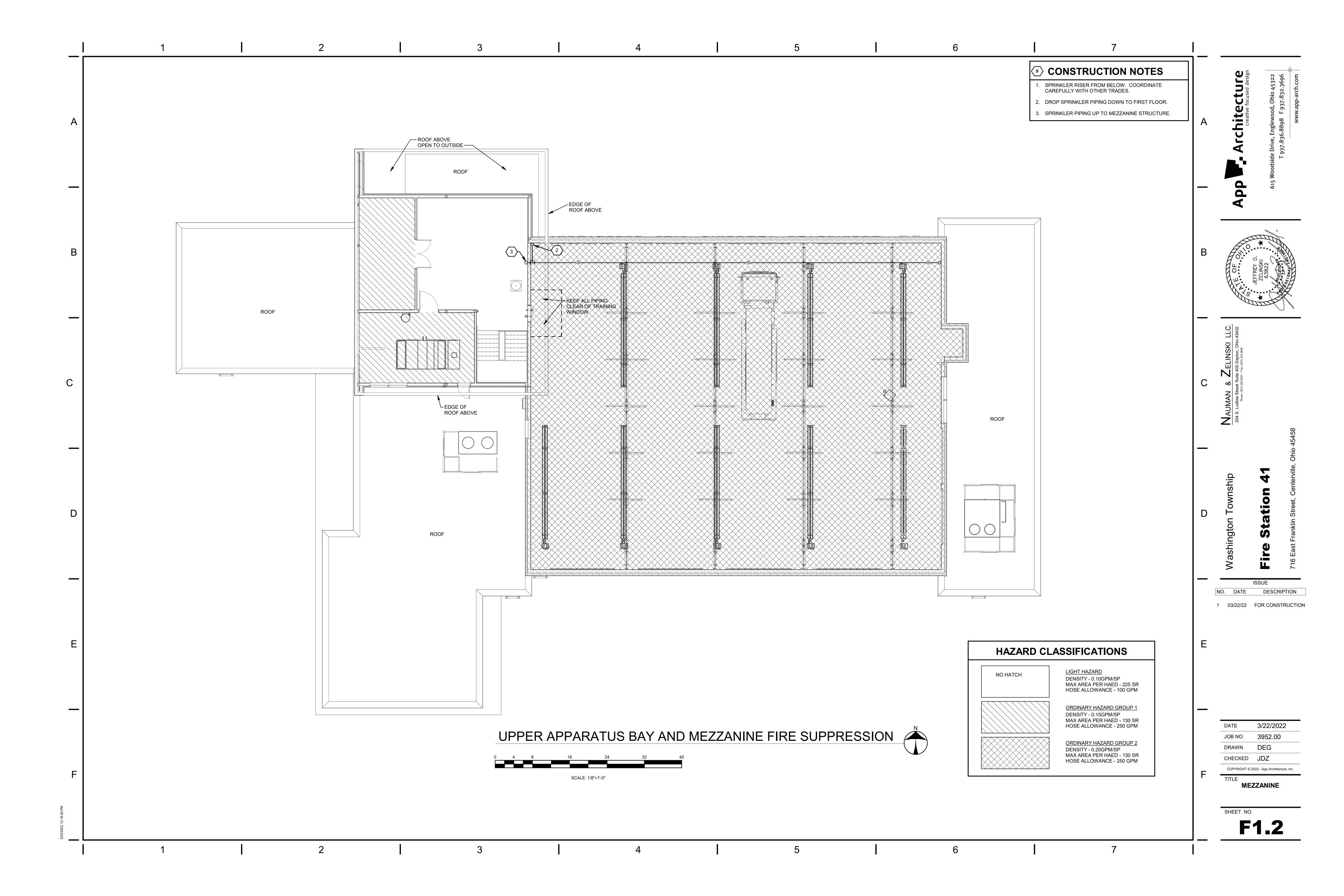






	FIRE SUPPRESSION PIPING	DESIGN CRITERIA	GENERAL NOTES	GENERAL LEGEND	LT d desig
	GENERAL NOTES: PIPING SHALL CONFORM TO OBC REQUIREMENTS.	DESIGN AND INSTALLATION OF SERVICE MAIN AND WET PIPE SPRINKLER SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF	A. PROVIDE A COMPLETE SPRINKLER SYSTEM THROUGHOUT THE BUILDING. BUILDING SHALL BE CONSIDERED FULLY SUPPRESSED AT	EC ELECTRICAL CONTRACTOR. FC FIRE SUPPRESSION CONTRACTOR.	Ct focused
Δ	PIPING INSTALLATION AND TESTING SHALL COMPLY WITH NFPA 13 (2016 EDITION).	THE 2017 OHIO BUILDING CODE, N.F.P.A. 13 (2016 EDITION), AND ALL AUTHORITIES HAVING JURISDICTION (AHJ).	COMPLETION OF PROJECT. B. ALL FIRE SUPPRESSION EQUIPMENT SHALL BE UL LISTED FOR FIRE	GC GENERAL CONTRACTOR.	eative of
/ \	PROVIDE PIPING SLEEVES AT WALLS IN NEW CONSTRUCTION.	2. WORKING PLANS AND HYDRAULIC CALCULATIONS SHALL BE PREPARED, SUBMITTED, AND APPROVED PRIOR TO INSTALLATION, BY THE FIRE SUPPRESSION CONTRACTOR. PLANS SHALL INCLUDE	SUPPRESSION SERVICE. C. ALL FIRE SUPPRESSION SYSTEMS (SERVICE MAIN, FIRE DEPT.	HC HVAC CONTRACTOR. PC PLUMBING CONTRACTOR	
	PIPING SHALL BE PITCHED FOR DRAINAGE. PROVIDE DIELECTRIC FITTINGS FOR TRANSITIONS BETWEEN FERROUS AND NON-	ALL ITEMS LISTED IN N.F.P.A. 13.	CONNECTION, SPRINKLER SYSTEM, INSPECTOR TEST, DRAIN, ETC.) SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HOURS WITH	TC TEMPERATURE CONTROLS CONTRACTOR	Ar,
	FERROUS PIPING SYSTEMS. CLOSE OPEN ENDS OF PIPING DURING CONSTRUCTION.	3. WATER SUPPLY DATA: THE FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR CONDUCTING A FLOW TEST TO OBTAIN CURRENT WATER SUPPLY DATA FROM THE NEW WATER DISTRIBUTION SYSTEM	NO VISIBLE LEAKAGE. ALL CONCEALED PIPING SHALL BE AIR TESTED, WITH NO LEAKAGE, PRIOR TO FILLING SYSTEM WITH WATER. THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY ALL	NIC NOT IN CONTRACT.	dside
	PIPE AND TUBING SHALL BE CUT AND FABRICATED TO FIELD MEASUREMENTS AND RUN PARALLEL TO NORMAL BUILDING LINES. PIPE INTERIOR SHALL BE CLEANED OF FOREIGN	FOR USE IN THE HYDRAULIC CALCULATIONS. 4. HYDRAULIC DESIGN CRITERIA FOR LIGHT HAZARD AREAS: (ALL	AUTHORITIES HAVING JURISDICTION 24 HOURS PRIOR TO THE TEST TO ALLOW AHJ TO WITNESS ALL TESTS.	AFF ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM UNLESS INDICATED OTHERWISE IN DRAWING.	5 Woo
	MATTER AND BURRS BEFORE ERECTION OF PIPE. PIPING SHALL NOT BE RUN ABOVE ELECTRICAL SWITCHGEAR OR PANELBOARDS, NOR	AREAS EXCEPT WHERE NOTED OTHERWISE) DENSITY: 0.10 GPM/SQ.FT.	D. ALL VALVES CONTROLLING WATER SUPPLIES SHALL BE PROVIDED WITH TAMPER SWITCHES (SEE NOTE E).	(E) EXISTING. NOTE SYMBOL - APPLIES ONLY TO SHEET ON	
	ABOVE THE ACCESS SPACE OF SUCH EQUIPMENT - NEC ARTICLE 384.	DESIGN AREA: MOST DEMANDING 1500 SQ. FT. (REDUCTION WITH QUICK RESPONSE	E. THE FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN APPROVED CENTRAL STATION FIRE ALARM SYSTEM IN ACCORDANCE WITH O.B.C. AND N.F.P.A. 72.	WHICH IS SHOWN. DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL	◀
	FIRE SERVICE PIPING (UNDERGROUND TO BUILDING) TYPE FIRE SERVICE PIPING (UNDERGROUND TO BUILDING)	HEADS PERMITTED) MAX SPRINKLER 225 SQ. FT./HEAD	F. THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE WIRING	ON WHICH IS SHOWN. H-1 EQUIPMENT REFERENCE SYMBOL.	•
	FIRE SUPPRESSION PIPING S2, S3	COVERAGE:	OF ELECTRICAL FIRE SUPPRESSION DEVICES AND EQUIPMENT WITH THE ELECTRICAL AND/OR FIRE ALARM CONTRACTOR. ALL FIRE ALARM WIRING BY ELECTRICAL CONTRACTOR. ALL DEVICES SHALL	123 ROOM NUMBER.	*
В	WET PIPE SPRINKLER 2.5" AND LARGER S1, S2, S3	HOSE DEMAND: 100 GPM DURATION: 30 MINUTES	BE FURNISHED AND INSTALLED BY THE FIRE SUPPRESSION CONTRACTOR.	B DETAIL SYMBOL DETAIL "B" SHOWN ON SHEET H2.	B G
	WET PIPE SPRINKLER 2" AND SMALLER S2	5. HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD (GROUP 1) AREAS: (STORAGE ROOMS, MECHANICAL ROOMS, JANITOR'S ROOMS,	G. THE FIRE SUPPRESSION CONTRACTOR SHALL COORDINATE THE LAYOUT OF THE FIRE SUPPRESSION SYSTEM WITH ALL TRADES PRIOR TO INSTALLATION.	SECTION SYMBOL	JEFFREY ZELINSK 63822
	FINAL CONNECTION TO SPRINKLER HEAD F1	KITCHEN, COMMUNICATION ROOMS) DENSITY: 0.15 GPM/SQ.FT.	H. THE FIRE SUPPRESSION CONTRACTOR SHALL CENTER (WITHIN 1")	P3.1 SECTION STMIDGE SECTION "1" DESIGNATION, SHOWN ON SHEET H2.1.	
	UNDERGROUND PIPING TO FDC D1, P1	DESIGN AREA: MOST DEMANDING 1500 SQ. FT.	ALL CONCEALED SPRINKLER HEADS INSTALLED IN ACOUSTICAL LAY- IN CEILING TILES. ALL PENDENT SPRINKLER HEADS IN CEILINGS SHALL BE SYMMETRICAL WITH LIGHTING AND AIR DEVICES.	CONNECTION, NEW TO EXISTING.	
-	TYPE DESCRIPTION TYPE DESCRIPTION	MAX SPRINKLER 130 SQ. FT./HEAD COVERAGE:	I. VERIFY THE LOCATION AND TYPE OF FIRE DEPARTMENT CONNECTION WITH THE FIRE DEPARTMENT.	— — ITEM TO BE REMOVED. EXISTING TO REMAIN.	••
	S1 ROLL GROOVED BLACK STEEL P1 PVC AWWA C900 CLASS 200 DR18 SCHEDULE 10, BELL AND SPIGOT FABRICATED BELL AND SPIGOT FABRICATED BELL AND SPIGOT FABRICATED BELL AND SPIGOT FABRICATED	HOSE DEMAND: 250 GPM	J. LOCAL SPRINKLER ALARM AND REMOTE ALARM AND SUPERVISION SHALL BE THRU THE FIRE ALARM SYSTEM PROVIDED BY THE E.C.		O 45402
	ASTM A135 OR ASTM A795 FITTINGS WITH ELASTROMERIC MALLEABLE/DUCTILE FITTINGS GASKET, UL1285 NITRILE /EPDM GASKETS	DURATION: 60 MINUTES 6. HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD (GROUP 2)	K. CONCEALED, NONCOMBUSTIBLE ATTIC SPACES DO NOT REQUIRE SPRINKLERS.	FIDE OURDRESOLON LEGENIE	NSKI ton, Ohi
	ASTM A47/A47M OR A536	6. HYDRAULIC DESIGN CRITERIA FOR ORDINARY HAZARD (GROUP 2) AREAS: (APPARATUS BAY) DENSITY: 0.2 GPM/SQ.FT.	L. FINAL APPROVAL IS SUBJECT TO ACCEPTANCE AND TESTING BY ALL	FIRE SUPPRESSION LEGEND ——F—————————————————————————————————	Z ELIN te 400 Day te 7 exc (337) 22
C	S2 THREADED BLACK STEEL SCHEDULE 40, ANSI A21.51 & AWWA CLASS 53 OR ASTM A795, 51	DESIGN AREA: MOST DEMANDING 1500 SQ. FT.	АПЈ.	S	C & Swite
	150 LB. MALLEABLE OR C.I. SCREWED FITTINGS CEMENT LINED 250 LB. FITTINGS MECH JOINT	MAX SPRINKLER 130 SQ. FT./HEAD COVERAGE:		SHUT-OFF VALVE, SEE SCHEDULE FOR TYPE	MAN Idlow Str
	S3 ROLL/CUT GROOVED BLACK F1 FLEXIBLE SPRINKLER HOSE STEEL FITTING	HOSE DEMAND: 250 GPM		CHECK VALVE VALVE ON RISER	AUM 204 S. Lu
	SCHEDULE 40, ASTM A53 OR ASTM A795 FULLY STAINLESS STEEL FLEXIBLE MALLEABLE/DUCTILE FITTINGS HOSE WITH CEILING BRACKET	DURATION: 60 MINUTES 7. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE.		UNION	
	NITRILE /EPDM GASKETS ASTM A47/A47M OR A536 UL 2443 AND FM 1637 175 PSI RATING FOLLOW FM STANDARDS FOR	SPRINKLER HEADS IN AREAS WITH FINISHED CEILINGS SHALL BE CONCEALED PENDENT TYPE WITH FLAT PLATE AND CUSTOM COLOR		SUPERVISED VALVE	_
	BEND RADIUS AND NUMBER OF BENDS	TO MATCH THE ADJACENT CEILING COLOR OR FINISH. / WHITE FINISH.		F FLOW SWITCH PRESSURE GAUGE	
		9. SPRINKLER HEADS IN AREAS WITH NO CEILINGS SHALL BE BRASS/ CUSTOM COLOR UPRIGHTS. SIDEWALL SPRINKLER HEADS MAY ALSO		CONNECTION, BOTTOM	를 4
		BE USED IN STAIRWELLS WHERE PROPER COVERAGE CAN BE PROVIDED.		CONNECTION, TOP	vns c
D				DIRECTION OF FLOW CAP	
					ngton Sta
				SEISMIC REQUIREMENTS	Washii
_				THIS PROJECT HAS SEISMIC REQUIREMENTS. REFER TO DRAWING H5.1	ISSUE
					NO. DATE DESC 1 03/22/22 FOR COM
				STORM SHELTER NOTES	
E				PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3 1/2 SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS OR 2 1/16" IN DIAMETER SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE. REFER TO STRUCTURAL DRAWINGS FOR DETAILS OF PROTECTIVE DEVICES.	E
_				FIRE SUPPRESSION INDEX OF DRAWINGS	_
				SHEET DRAWING TITLE F0.1 LEGENDS AND SCHEDULES	DATE 3/22/2
				F1.1 FIRST FLOOR PLAN	JOB NO. 3952.0 DRAWN DEG
				F1.2 MEZZANINE	CHECKED JDZ
F					COPYRIGHT © 2022 - App Arch
					LEGENDS A SCHEDULE
					SHEET NO.
					FO.
	2 3	4	5 6	7	





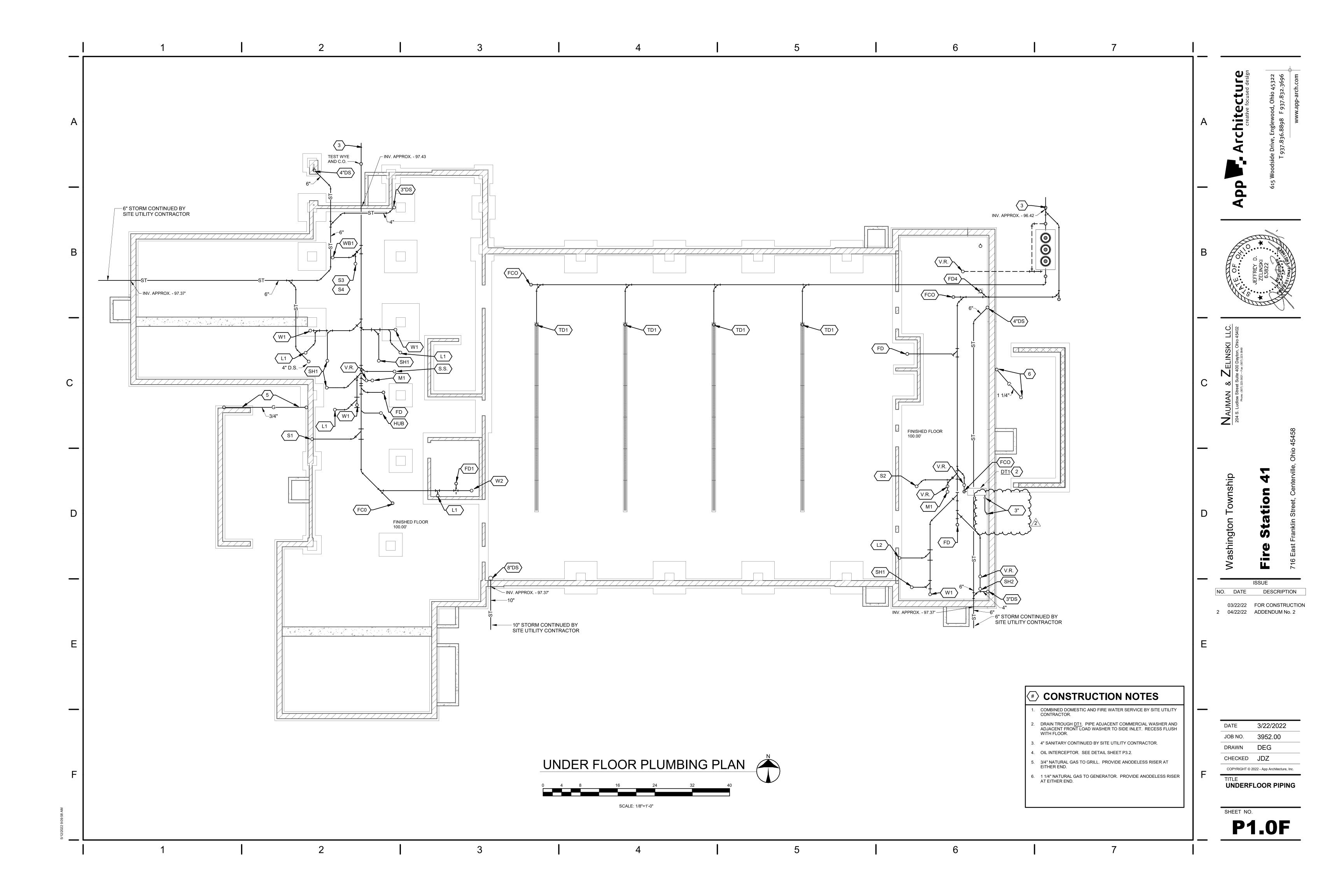
	PLUMBING FIXTURE SCHEDULE ITEM FIXTURE DESCRIPTION	FIXTURE	SERVICES	MTG.			TRIM R	REQUIREMENTS		NOTES	GENERAL EC	ELECTRICAL CONTRACTOR.	٩
	WATER CLOSET/ VIT. CHINA/ FLOOR SET/ MANUAL FLUS	еп	H.W. C.W. SAN.	VENT HGT.	SUPPLY	STOPS	WASTE	TRAP	CARRIERS	ACCESSORIES SEAT	FC	FIRE SUPPRESSION CONTRACTOR.	=
	W1 VALVE/ DUAL FLUSH 1.6 /GPF/ ELONGATED BOWL/ 16 1/2 HEIGHT/ 1,000 MG Map SCORE/ OPEN FRONT SEAT WITH	2" RIM AM. STANDARD # 2042 004	1" 4"	2"	SLOAN # WES 111-1.6/1.1	UNIT	UNIT	INTEGRAL		BEMIS # 1950SS	GC	GENERAL CONTRACTOR.	
A	WATER CLOSET/ VIT. CHINA/ FLOOR SET/ TANK TYPE/ W2 HANDLE ON RIGHT/ 1.6 GPF/ ELONGATED BOWL/ 16 1/2" HEIGHT/ 1,000 MG Map SCORE/ OPEN FRONT SEAT WITH	RIM # 211CA.105	1/2" 4"	2"	UNIT	MCGUIRE # LFBV2166	UNIT	INTEGRAL		SEAT BEMIS # 1950SS	HC PC	HVAC CONTRACTOR. PLUMBING CONTRACTOR	^ _
						140011175		Maguine			TC	TEMPERATURE CONTROLS CONTRACTOR	
	LAVATORY/ SOLID SURFACE/ INTEGRAL WITH COUNTER SINGLE LEVER CAST BRASS FAUCET/ 0.5 GPM/ ACCESS	SIBLE BY OTHERS	1/2" 1/2" 1 1/4"	1 1/2"	AM. STANDARD # 6114.116	MCGUIRE # LFBV2165	WITH TRAP	# PVV2150VVC		POWERS # LFE480	NIC AFF	NOT IN CONTRACT. ABOVE FINISHED FLOOR - TO BOTTOM OF ITEM	
	L2 LAVATORY/ VIT, CHINA/ WALL HUNG/SINGLE LEVER CAS BRASS FAUCET/ 0.5 GPM/ ACCESSIBLE	AM. STANDARD # 0355.012	1/2" 1/2" 1 1/4"	1 1/2" TO RIM	AM. STANDARD ##6114.116	MCGUIRE # LFBV2165	WITH TRAP	MCGUIRE # PW2150WC	J.R.SMITH # 0710	POWERS # LFE480	(E)	UNLESS INDICATED OTHERWISE IN DRAWING. EXISTING.	
	SINK/ UNDERMOUNT/ SINGLE BOWL/ 30 1/2" x16" x 10" DE BOWL W BOTTOM GRID/ SINGLE LEVER FAUCET W PULL		1/2" 1/2" (2) 1 1/2"	, 1 1/2"	AM. STANDARD # 4332.350	MCGUIRE # LFBV2165	MCGUIRE # 151A	MCGUIRE # 8912 &		INSINKERATOR # ESSENTIAL	ES	EQUIPMENT SUPPLIER.	
	DOWN SPRAY W COIL/ DISPOSAL SINK/ ST. ST./ INTEGRAL W C'TOP/ DOUBLE BOWL/ SING S2 LEVER FAUCET W PULL DOWN SPRAY W COIL/ BASKET	iLE			AM. STANDARD	MCGUIRE	MCGUIRE	# 111 MCGUIRE		SUARDIAN	3	NOTE SYMBOL - APPLIES ONLY TO SHEET ON WHICH IS SHOWN.	
	SZ LEVER FAUCET W PULL DOWN SPRAY W COIL/ BASKET STRAINER/ EMERG. DRENCH HOSE WITH MIXING VALVE		1/2" 1/2" 1 1/2"		# 4332.350 AM. STANDARD	# LFBV2165 (2 SETS REQ'D) MCGUIRE	# 151A MCGUIRE	# 8912 & # 111 MCGUIRE		# G5022-HG & G3600LF	2	DETAIL NOTE SYMBOL - APPLIES ONLY TO DETAIL ON WHICH IS SHOWN.	
	S3 SINK ST. ST. DROP-IN/ SINGLE BOWL/ GOOSENED SINK ST. ST. DROP-IN/ SINGLE BOWL/ SINGLE LEVER FA	# ELUH1212	1/2" 1/2" 1 1/2"		# 7074.550 AM. STANDARD	# LFBV2165 MCGUIRE	# 151A MCGUIRE	# 8912 MCGUIRE			H-1	EQUIPMENT REFERENCE SYMBOL. ELECTRICAL CONNECTION REQUIRED.	
В	S4 WITH SIDE SPRAY	UCET ELKAY # LR2219	1/2" 1/2" 1 1/2"	' 1 1/2"	# 7074.040	# LFBV2165	# 151A	# 8912			123	ROOM NUMBER.	B S
	SHOWER/ STALL BY OTHERS/ TRENCH DRAIN STYLE/ MI SH1 VALVE WITH FIXED HEAD AND HAND HELD ON SLIDE BA		1/2" 1/2" 2"	1 1/2" VALVE 42'	" POWERS # E710-M-2-N-Y-W	UNIT	UNIT	SAME AS SANITARY PIPING			P2	DETAIL SYMBOL DETAIL "B" SHOWN ON SHEET P2.	10 10
	DIVERTER VALVE IN WALL SHOWER/ STALL BY OTHERS/ CENTER DRAIN STYLE/ MI WALLE BY OTHERS AND HAND HELD BY OTHER DRAIN STYLE BY OTHER BY OT		4/01 4/01 01	86" VALVE 42'				SAME AS			1	SECTION SYMBOL SECTION "1" DESIGNATION, SHOWN ON SHEET P3.1.	W.
	SH2 VALVE WITH FIXED HEAD AND HAND HELD ON SLIDE BA DIVERTER VALVE IN WALL	AR/ BY OTHERS	1/2" 1/2" 2"	1 1/2" HEAD 86"	# E710-M-2-N-Y-W	UNIT	UNIT	SANITARY PIPING			P3.1	CONNECTION, NEW TO EXISTING.	
	MOP SINK/ FLOOR SET/ 24" SQ. 10" DEEP/ MOLDED STOR M1 ST. ST. CAPS/ ST.ST. WALL PANELS WALL MOUNTED FA		1/2" 1/2" 3"	1 1/2" 36"	AM. STANDARD # 8354.112	UNIT	UNIT	SAME AS SANITARY PIPING		FIAT [!] E-88-AA (2 REQ'D),	FD1	UP TO SYMBOL UP TO "FD1", SHOWN ON FLOOR ABOVE	(j ½
	WITH INTEGRAL CHECK STOPS	# IVISB2424		FAUCE1	# 0004.112				#	MSG2424 (2 REQ'D.)			(LL(
	WB1 WASHER UTILITY CONNECTION BOX/ 1/4 TURN BALL VAI WITH WATER HAMMER ARRESTOR	# 38540	3/4" 3/4" 2"	1 1/2" 30"	UNIT	BALL VALVES ABOVE CEILING	UNIT	SAME AS SANITARY PIPING				IG LEGEND SANITARY DRAIN	ELINSK
	WB2 ICE MAKER CONNECTION BOX/ 1/4 TURN BALL VALVE/ 6' ST. ST. HOSE	OATEY # 38623	1/2" -	- 24"	UNIT	BALL VALVE ABOVE CEILING						STORM DRAIN	ZEI
C	EQUALS AMERICAN STANDARD CHINA - KOHI ED ZURN SLOAN				NOTES:						sst	SECONDARY STORM DRAIN	C Street Si
	AMERICAN STANDARD CHINA - KOHLER, ZURN, SLOAN AMERICAN STANDARD FAUCETS - KOHLER, ZURN, CHICAGO				1.							VENT COLD WATER	JMAN Ludlow \$
	SLOAN FLUSH VALVES - ZURN ELKAY SINKS - JUST, ADVANCED TABCO MCGUIRE - WATTS, BRASS CRAFT												N AL 204 S.
	MCGUIRE "PROWRAP" - TRUEBRO "LAV GUARD", PLUMBEREX "F	PROEXTREME"										HOT WATER RETURN	
_	DRAIN SCHEDULE							SENERAL NO	TES - PLI	JMBING		NATURAL GAS COMPRESSED AIR	-
	n.	IANUFACTURER	FEATUR	ES	STRAINER/	GRATE	_			TH THE 2017 VERSION OF	C.O.	CLEAN OUT	
		IANOI ACTURER		AGE LER				THE OHIO BUILDING A REFERENCED CODES	ND PLUMBING COD			SHUT-OFF VALVE, SEE SCHEDULE FOR TYPE	qihi
			HING P RDECI	DRAIN, MENT ET	w	RATE) OPEN	႕ <u>တ</u> ြ ြ B.	OBTAIN A PLUMBING I APPROVAL OF THE CO		RE INSPECTION AND		CHECK VALVE BALANCING VALVE	WUS
D		OUTI MODEL NUMBER SIZ	ANCHO FLANG FLANG CLAMP CLAMP	SEDIN BUCK TOP//	SIZE	OPER (NO G (NO G HALF ADJU	C.		HOTHER TRADES, A	CTUAL EQUIPMENT OR		VALVE ON RISER	D O
	FD1 FLOOR DRAIN/ CAST IRON BODY/ NICKEL BRONZE TOP/ ADJUSTABLE	ZURN # ZN415-B7	•	● 7"[DIA •	•		CABINETRY PROVIDEI PERFORMING WORK.	O AND FIELD CONDI	TIONS BEFORE	——————————————————————————————————————	UNION	gton
	FD2 FLOOR DRAIN/ CAST IRON BODY AND TOP/ MEDIUM DUTY/ LOOSE GRATE	ZURN # Z550 3'	•	9" [DIA •		D.	REFER TO ARCHITECT FIRE WALLS AN SMOK	E PARTITIONS.	FOR LOCATIONS OF ND PENETRATIONS WITH	®	REGULATOR PRESSURE GAUGE	hing
	FD3 FLOOR DRAIN/ PVC BODY/APPROX 6" DEEP/ HALF TOP PVC FLAT/ FLAT GRATE/ FLAT STRAINER IN BOTTOM/	SOIUX CHIEF # 8614P26		11"	SQ. •	•		AN APPROVED MATER SMOKE.	RIAL TO LIMIT THE F	REE PASSAGE OF	() () () () () () () () () ()	TEMPERATURE GAUGE	Vas
	FD4 FLOOR DRAIN/ PVC BODY/ APPROX 6" DEEP/ NO TOP GRATE/FLAT GRATE IN BOTTOM/ MEDIUM DUTY	SOIUX CHIEF # 86134PX6	•	11"	SQ.	•		STOPPING PRODUCT,	SEE SPECIFICATIO		-0-	CONNECTION, BOTTOM	<u> </u>
	FD5 FLOOR DRAIN/ CAST IRON BODY AND TOP/ MEDIUM DUTY/ LOOSE GRATE/ OVAL FUNNEL #	ZURN # Z550 & # Z329	•	9" [DIA. •	•	E.	REFER TO DIAGRAMS PIPE SIZES NOT SHOV		IEDULES FOR PIPING AND DIAGRAMS.		CONNECTION, TOP DIRECTION OF FLOW	NO. DAT
		POLY CAST					F.			E CEILING IN EXPOSED E INDICATED ON PLAN.		CAP	03/22/2
	TD1 DUCTILE IRON SLOTTED GRATE DG	DG0700AA W/# 60675HD GRATE & DA0642BH LOCK		6" W 40'± L			G.	FUNCTIONAL PLUMBIN	NG SYSTEMS ARE IN	ED FOR COMPLETE AND INCLUDED IN THE ROJECT MANUAL DEFINES	V.R.	VENT RISER	
				12 5/10	6" DIA			THE FINAL CONTRACT SUPPORTING EQUIPM	TUAL RESPONSIBILI IENT, MATERIALS, F	TY TO PROVIDE INISHING, UTILITY COST,	V.T.R. S.S.	VENT THRU ROOF SOIL STACK	
	ROOF DRAIN/ CAST IRON BODY/ POLY DOME/ STATIC EXTENSION/ TOP MOUNT DECK PLATE	ZURN SIZE # Z100-E-DP NOT	AS ED •	(3", 15 7/8	, 4") ●			ETC (EXAMPLES: CON ELECTRIC/GAS COSTS SPECIFICATION SECT	S) FOR PRECEDENC	E OVER OTHER	V.S.	VENT STACK	-
	SECONDARY ROOF DRAIN/ CAST IRON BODY/ POLY DOME/ STATIC EXTENSION/ TOP MOUNT DECK PLATE/	ZURN SIZE # Z100-E-DP-89 NOT	AS ED •	12 5/16 (3" 8	§, 4")			UMBING IND			D.S.	DOWNSPOUT (STORM)	
	ROOF DRAIN/ SET IN BUILT-IN GUTTER/ CAST IRON	ZURN		15 7/8 7 1/2			<u> </u>	SHEET DRAWING TIT	<u>LE</u>	, , , , , , , , , , , , , , , , , , , ,	S.D.S. S.S.O.	SECONDARY DOWNSPOUT (STORM) SECONDARY STORM OUTLET	
	BODY/ POLY DOME/ TOP MOUNT DECK PLATE ROOF DRAIN/ SET IN BUILT-IN GUTTER/ CAST IRON	# Z125-DP 4 ZURN 4		7 1/2				P0.1 LEGENDS AN P0.2 MATERIAL SC			S.S.U.	OLOGINDAN I STONIVI DUTLET	
	OF COMPARY OT ORM OUTLIET / POWER OOATER	# Z125-89-DP 4 SIZE	AS	/ 1/2	T DIA ■			P0.3 MATERIAL SC			SEISMIC	REQUIREMENTS	- <u></u>
	SSO SECONDARY STORM OUTLET/ POWDER COATED ALLUMIN	# ZF199 NOT	ED					P1.0F UNDERFLOOF	R PIPING			AS SEISMIC REQUIREMENTS. REFER TO DRAWING H5.1	DATE JOB NO
	EXTRA HEAVY DUTY CLEANOUT/ FLOOR SET/ NICKEL-BRONZE TOP/ CAST IRON BODY/ MIP	ZURN SAME A # ZN1400-K UP T			•	•		P1.1 FIRST FLOOR			L		JOB NO DRAWN
	THREADED CONNECTION/ ABS PLUG	,, UF I'						P1.2 UPPER APPA	RATUS BAY AND ME	ZZANINE PLAN			CHECKI
F		H-M COMPANY 4' (513) 281-3832 W/ F	co					P1.3 ROOF PLAN	DOT ELOGO				F COPYRIG
	NOTES							P2.1 ENLARGED FI	KSI FLOOR				LI
	1. ROOF DECK PLATE WILL NEED TO BE CUT IN ODER TO SET IN GU	UTTER. SEE DETAIL C3 SH	EET A5.02.					P3.1 DETAILS P3.2 DETAILS					SHEET
								P4.1 SOIL, WASTE	AND VENT DIAGRAI	AS .			
	1 -	1		4	1		_		1	^	1	_	

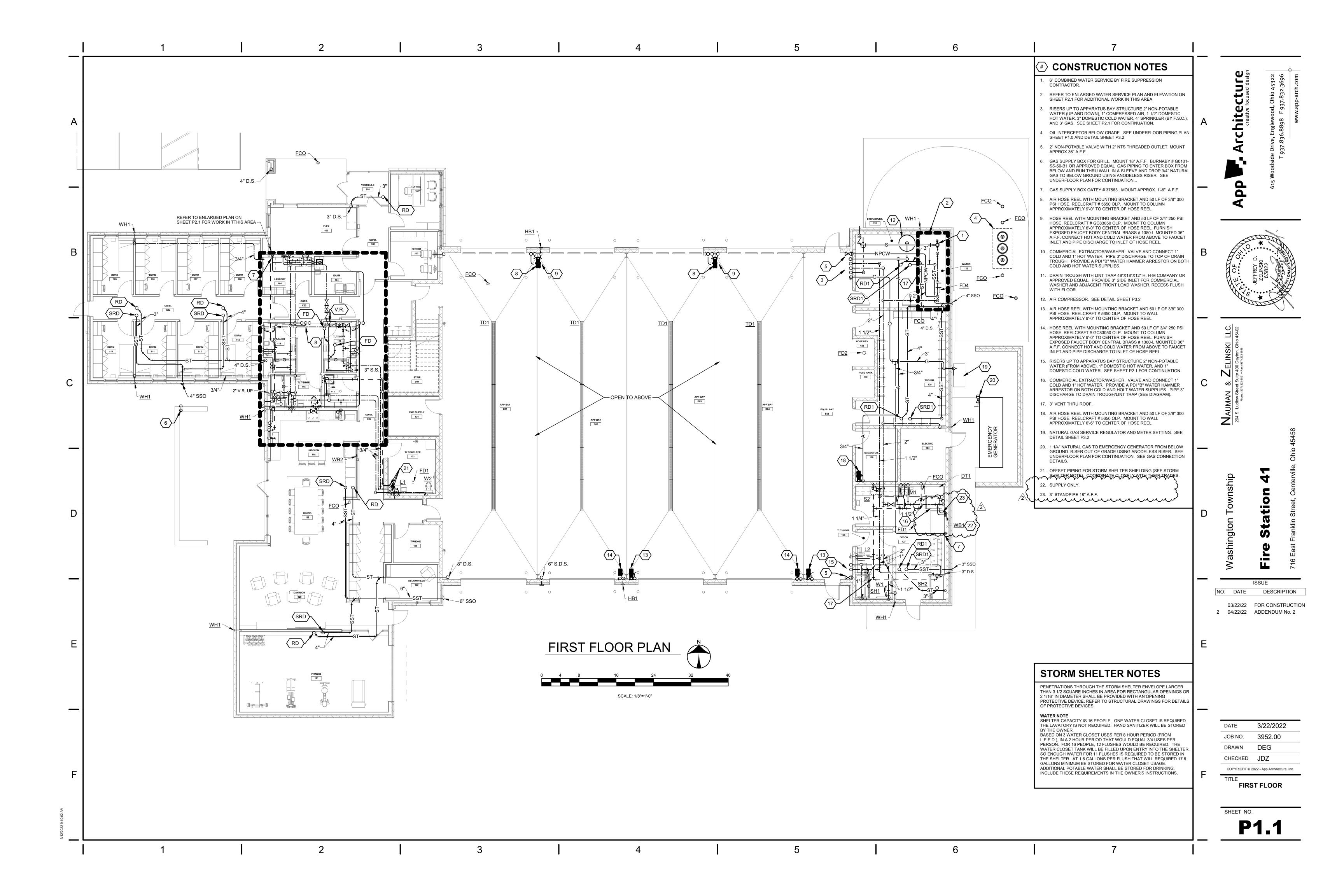
	PIPE INSULATION SCHEDULE - PLUMBING GENERAL NOTES:	BUILDING SUPPLY SYSTEMS SCHEDULE WATER, COMPRESSED AIR, & GAS	BUILDING DRAIN SYSTEMS SCHEDULE STORM, SANITARY, & VENT	GENERAL REQUIREMENTS 1. PROVIDE COMPLETE AND FUNCTIONAL PLUMBING SYSTEMS PER	U F C d design 45322
	QUALITY ASSURANCE FIRE, SMOKE RATINGS: FLAME SPREAD RATING OF 25 OR LESS, SMOKE DEVELOPED RATING OF 50 OR LESS.	GENERAL NOTES: QUALITY ASSURANCE PIPING SHALL CONFORM TO OBC REQUIREMENTS.	GENERAL NOTES: QUALITY ASSURANCE PIPING SHALL CONFORM TO OBC REQUIREMENTS.	PLANS INCLUDING FURNISHING, INSTALLING, TESTING AND WARRANTY OF ALL WORK. 2. WORK SHALL BE IN ACCORDANCE WITH THE 2017 OHIO BUILDING	ect ive focuse od, Ohio F 937.832
4	THICKNESSES SHALL CONFORM TO ASHRAE 90.1-2010 MINIMUMS.	PIPING SHALL COMPLY WITH ASME B31.9 "BUILDING SERVICES PIPING".	PIPING SHALL COMPLY WITH ASME B31.9 "BUILDING SERVICES PIPING".	AND OHIO PLUMBING CODES INCLUDING REFERENCED CODES AND STANDARDS, ALL FEDERAL AND LOCAL CODES AND ALL	Creati Creati
	GREEN GUARD INDOOR AIR QUALITY CERTIFIED. EXECUTION INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.	ALL COMPONENTS OF DOMESTIC WATER SYSTEMS (CW, HW, & HWR) SHALL BE "LEAD FREE" IN ACCORDANCE WITH THE FEDERAL SAFE WATER ACT (S3874) DEFINITION AND CONFORM TO NSF 61.	INSTALL CAST-IRON SOIL PIPING ACCORDING TO CISPI'S "CAST IRON SOIL PIPE AND FITTINGS HANDBOOK," CHAPTER IV, "INSTALLATION OF CAST IRON SOIL PIPE AND FITTINGS."	APPLICABLE LAWS, ORDINANCES AND REGULATIONS. 3. WORK SHALL BE PERFORMED USING BEST QUALITY INSTALLATION PRACTICE BY A QUALIFIED TRADE CONTRACTOR AND THEIR	ICA rive, Eng
	COLD SERVICE PIPE INSULATION AND VAPOR BARRIER/JACKET TO BE CONTINUOUS THRU FLOOR AND WALL SLEEVES AT ALL PIPE DEVICES AND PUMP CASINGS.	PRODUCTS DIELECTRIC CONNECTORS SHALL BE PROVIDED AT CONNECTIONS BETWEEN FERROUS & COPPER PIPING.	ON PIPING 5" AND LARGER PROVIDE BRACING AT EVERY BRANCH OPENING OR CHANGE IN DIRECTION AS REQUIRED BY CISPI'S "CAST IRON SOIL PIPE AND FITTINGS HANDBOOK," CHAPTER IV, "INSTALLATION OF CAST IRON SOIL PIPE AND	QUALIFIED SUBCONTRACTORS. ALL CONTRACTORS SHALL BE LICENSED AND BE BONDED FOR THE WORK. 4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA	dside D
_	INSULATION AND VAPOR BARRIER TO BE CONTINUOUS AT PIPE HANGERS AND SUPPORTS ON HORIZONTAL PIPING. PROVIDE HARDWOOD INSERT SUPPORT FOR PIPES 2.5" AND LARGER.	GAS PRESSURE REGULATORS SHALL BE CAST IRON SELF-OPERATING SPRING LOADED TYPE. VALVE 125 PSI. SPRING AND DIAPHRAGM CASINGS SHALL BE	FITTINGS." INSTALL PVC SOIL AND WASTE DRAINAGE AND VENT PIPING ACCORDING TO	AND OWNER SAFETY STANDARDS AND PRACTICES. ALL ON SITE PERSONNEL SHALL BE SAFETY TRAINED AND OWNER CERTIFIED.	D
	VERTICAL PIPE SUPPORTS SHALL ATTACH DIRECTLY TO PIPE. INSULATE SUPPORT AND OTHER SURFACES WITH FLEXIBLE CLOSED CELL INSULATION, SAME THICKNESS AS SYSTEM INSULATION ON COLD SERVICE PIPES TO PREVENT CONDENSATION.	ALUMINUM. REGULATOR SHALL HAVE AN INTERNAL RELIEF VALVE ASSEMBLY, TAPPED VENT CONNECTION WITH REMOVABLE SCREEN ON THE SPRING CASING AND AN EXTERNAL PILOT OPERATOR TO AFFORD A 5% MAXIMUM DROOP. OVER- PRESSURE PROTECTION SHALL BE TEN TIMES THE INLET PRESSURE (OR HIGHER AS	ASTM D 2665. PRODUCTS PVC PIPING SHALL NOT BE USED IN SPACES USED AS PLENUMS.	5. OBTAIN REQUIRED PERMITS RELATED TO THE WORK AND PAY ALL PERMIT AND INSPECTION FEES.6. THE AUTHORITY HAVING JURISDICTION SHALL INSPECT AND	A P
	INSULATION MAY BE OMITTED ON HOT WATER VALVES AND DEVICES 2" AND SMALLER PIPE SIZE. PRIMARY AND SECONDARY ROOF DRAIN SUMPS SHALL BE INSULATED WITH 1" THICK INSULATION.	MAY BE REQUIRED BY THE GAS COMPANY). FISHER TYPE S102 OR S202 OR EQUAL BY SPRAGUE OR EQUIMETER.	EXECUTION PIPE AND TUBING SHALL BE CUT AND FABRICATED TO FIELD MEASUREMENTS AND	APPROVE ALL WORK. PROVIDE A FINAL CERTIFICATE OF APPROVAL FROM THE AUTHORITY HAVING JURISDICTION AND PRESENT TO THE OWNER BEFORE REQUESTING FINAL PAYMENT	
	THE FIRST 10 FEET OF SECONDARY STORM PIPING AFTER THE DRAIN SHALL BE INSULATED. ABOVE GRADE SANITARY DRAINAGE RECEIVING CONDENSATE SHALL BE INSULATED AS INDICATED	UNIONS COPPER TUBING - WROUGHT OR CAST COPPER, CLASS 150, SOLDERED ENDS THREADED STEEL PIPE - MALLEABLE IRON W/GROUND SEAT, 300 LB SCREWED ENDS.	RUN PARALLEL TO NORMAL BUILDING LINES. PIPE INTERIOR SHALL BE CLEANED OF FOREIGN MATTER AND BURRS BEFORE ERECTION OF PIPE. ANNULAR SPACE AROUND PIPING THRU ALL WALLS SHALL BE SEALED OFF WITH	AND RELEASE OF RETAINAGE. 7. PROTECT ALL FURNISHED MATERIAL AND EQUIPMENT FROM THEFT AND DETERIORATION OR CONTAMINATION DUE TO WEATHER OR	***************************************
,	BELOW FOR CONDENSATE DRAINAGE. WHERE THE DRAIN SUMP IS EXPOSED ON THE FLOOR BELOW, IT TOO SHALL BE INSULATED WITH 1" INSULATION.	MECHANICALLY FORMED TEES AND COUPLINGS (T-DRILL) ARE NOT PERMITTED.	PERMANENT PLIABLE CAULKING OR APPROVED PATCHING SEALANT. PROVIDE PIPING SLEEVES AT FLOORS, WALLS & ROOFS IN NEW CONSTRUCTION.	CONSTRUCTION ACTIVITIES. 8. PROTECT OWNER'S PROPERTY AND PROPERTY OF OTHER	B S S S S S S S S S S S S S S S S S S S
	SYSTEM & SIZE INSULATION THICKNESS TYPE LOCATION DOMESTIC COLD WATER 1.5" & SMALLER 0.5" F1, P1 INTERIOR	EXECUTION PIPE AND TUBING SHALL BE CUT AND FABRICATED TO FIELD MEASUREMENTS AND RUN PARALLEL TO NORMAL BUILDING LINES. PIPE INTERIOR SHALL BE CLEANED OF FOREIGN MATTER AND BURRS BEFORE ERECTION OF PIPE.	EXISTING WALLS TO BE SAW CUT TO PASS NEW PIPING. PIPING SHALL NOT BE RUN ABOVE ELECTRICAL SWITCHGEAR OR PANELBOARDS, NOR ABOVE THE ACCESS SPACE OF SUCH EQUIPMENT - NEC ARTICLE 384.	9. REMOVE ALL CONSTRUCTION DEBRIS FROM SITE. RECYCLE DEBRIS WHERE POSSIBLE. DISPOSE OF ALL HAZARDOUS MATERIAL IN	JEFFREY ZELINS 6382, 6382,
	DOMESTIC COLD WATER 2" & LARGER 1" F1, P1 INTERIOR DOMESTIC HOT WATER, TEMPERED	ANNULAR SPACE AROUND PIPING THRU ALL WALLS SHALL BE SEALED OFF WITH PERMANENT PLIABLE CAULKING OR APPROVED PATCHING SEALANT.	LAY BURIED BUILDING DRAINAGE PIPING BEGINNING AT LOW POINT OF EACH SYSTEM. INSTALL TRUE TO GRADES AND ALIGNMENT INDICATED, WITH UNBROKEN	ACCORDANCE WITH ENVIRONMENTAL LAWS. 10. PROVIDE ALL CUTTING AND PATCHING REQUIRED TO INSTALL	N'S **
-	WATER, & HOT AFTER RETURN 1.25" AND SMALLER DOMESTIC HOT WATER, TEMPERED	PROVIDE PIPING SLEEVES AT FLOORS, WALLS & ROOFS IN NEW CONSTRUCTION. EXISTING WALLS TO BE SAW CUT TO PASS NEW PIPING.	CONTINUITY OF INVERT. SUPPORT PIPING FROM BUILDING STRUCTURE WITH RODS, ANGLES & CLAMPS ATTACHED TO STRUCTURE. HANG PIPING WITH CLEVIS HANGER OR ROLLER	MATERIAL AND EQUIPMENT. 11. PROVIDE APPROPRIATE FIRESTOPPING SYSTEM FOR ANNULAR SPACE OPENINGS AROUND PIPE PENETRATIONS THROUGH FIRE	
	WATER, & HOT AFTER RETURN 1.5" F1, P1 INTERIOR 1.5" AND SMALLER	PIPING SHALL NOT BE RUN ABOVE ELECTRICAL SWITCHGEAR OR PANELBOARDS, NOR ABOVE THE ACCESS SPACE OF SUCH EQUIPMENT - NEC ARTICLE 384.	SUPPORTS. HANGERS SHALL BE INSTALLED ON CENTERS AS RECOMMENDED BY MANUFACTURER.	RESISTANCE RATED CONSTRUCTION. ANNULAR SPACE OPENINGS AT PIPE PENETRATIONS IN NON RATED CONSTRUCTION TO BE CLOSED AIR AND WATER TIGHT.	(1 LLC)
	INTERIOR HORIZONTAL STORM DRAINAGE 1" F1, P1 INTERIOR CONDENSATE DRAINAGE 1" F1, P1 INTERIOR	PIPING SHALL BE PITCHED FOR DRAINAGE. CLOSE OPEN ENDS OF PIPING DURING CONSTRUCTION.	SLOPE DRAINAGE PIPING AT 1/4" PER FOOT (2%) FOR PIPING SMALLER THAN 3" AND 1/8" PER FOOT (1%) FOR PIPING 3" AND LARGER. VENT PIPING SHALL BE PITCHED FOR DRAINAGE.	12. MATERIALS AND EQUIPMENT SHALL BE ONE OF THE BRAND OR MANUFACTURERS LISTED OR AN APPROVED EQUAL.	LINSk Dayton, C (937) 223-3849
	TYPE BASIS OF DESIGN APPROVED EQUALS DESCRIPTION	MECHANICAL JOINT PIPING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	CLOSE OPEN ENDS OF PIPING DURING CONSTRUCTION.	13. ELECTRONIC SHOP DRAWINGS SHALL BE PROVIDED IN .PDF FORMAT FOR THE ENGINEER'S APPROVAL FOR ALL MATERIALS AND EQUIPMENT. SHOP DRAWINGS SHALL BE SPECIFICALLY EDITED TO	& ZE E Suite 400
	* INORGANIC GLASS FIBER WITH RESIN BONDING. * K=0.24 @ 100 DEG. F. * 3.5 - 5.5 PCF.	GAS PRESSURE REGULATORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE VALVED GAUGE TAPS UPSTREAM AND DOWNSTREAM OF THE REGULATOR VENT PIPING SHALL BE EXTENDED INDIVIDUALLY FROM EACH REGULATOR AND GAS VENTING DEVICE TO OUTSIDE THE	COUPLINGS AND GASKETS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MAKE CHANGES IN DIRECTION FOR SOIL AND WASTE DRAINAGE AND VENT PIPING	ELIMINATE SUPERFLUOUS INFORMATION AND SHALL CLEARLY SHOW SPECIFICS FOR THE MATERIAL AND EQUIPMENT PROVIDED.	MAN Street
	F1 OWENS-CORNING SSL1-ASJ KNAUF 1000° PIPE, JOHNS MANVILLE MICRO-LOK HP KNAUF 1000° PIPE, Y WHITE FSRK JACKET. * WHITE FSRK JACKET. * LONGITUDINAL LAP WITH SELF-SEALING ADHESIVE. * ELBOWS, TEES, VALVES, CAPS, ETC., WHITE ONE	BUILDING IN AN APPROVED LOCATION. SUPPORT PIPING FROM BUILDING STRUCTURE WITH RODS, ANGLES & CLAMPS	USING APPROPRIATE BRANCHES, BENDS, AND LONG-SWEEP BENDS. SANITARY TEES AND SHORT-SWEEP 1/4 BENDS MAY BE USED ON VERTICAL STACKS IF CHANGE IN DIRECTION OF FLOW IS FROM HORIZONTAL TO VERTICAL.	14. COORDINATE INSTALLATION OF ACTUAL EQUIPMENT AND SYSTEMS PROVIDED WITH OTHER TRADES AND NEW OR EXISTING CONDITIONS.	NAUM 204 S. Lu
	PIECE, PREMOLDED 25/50 0.20" PVC FITTING COVERS WITH HIGH DENSITY FIBERGLASS INSULATION INSERTS SAME THICKNESS, K=0.26 EQUAL TO	ATTACHED TO STRUCTURE. HANG PIPING WITH CLEVIS HANGER OR ROLLER SUPPORTS. HANGERS SHALL BE INSTALLED ON CENTERS AS RECOMMENDED BY MANUFACTURER.	DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT IS INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION.	15. PROJECT CONDITIONS REQUIRE COORDINATION TO MAKE SYSTEMS FIT IN THE AVAILABLE SPACE. HVAC CONTRACTOR SHALL PROVIDE AN INITIAL 1/4" = 1'0" SET OF DRAWINGS AND DISTRIBUTED TO OTHER TRADE CONTRACTORS FOR COORDINATION, ALL	15458
	ZESTON OR PROTO. * PREFORMED, FLEXIBLE CLOSED CELL EPDM, TUBLILAR INSULATION, OR SHEET INSULATION	CLEAN INTERIOR WATER PIPING AFTER INSTALLATION BY FLUSHING WITH CLEAN POTABLE WATER TO CLEAR ALL INTERNAL DEBRIS.	TESTING PIPING SHALL BE TESTED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.	TO OTHER TRADE CONTRACTORS FOR COORDINATION. ALL CONTRACTORS SHALL COOPERATE TO MODIFY THEIR RESPECTIVE MATERIAL AND EQUIPMENT INSTALLATION AND DEPICT ON A DETAILED, FINISHED COORDINATION SET OF DRAWINGS BEFORE	Ohio 4
	P1 AEROFLEX - AEROCEL EPDM RUBATEX * K=0.25 @ 75 DEG. F. * CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING.	ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED IN CONFORMANCE WITH AWWA C651-86. DOMESTIC WATER PIPING SHALL BE SANITIZED PRIOR TO PUTTING SYSTEM IN OPERATION.	PIPING SYSTEM TYPE	INSTALLATION. ALLOW FOR EXPECTED MINOR OFFSETS OR RELOCATION SYSTEM OR EQUIPMENT WITHOUT REQUEST FOR COMPENSATION ADJUSTMENT.	ip 4 erville,
	<u> </u>	EXTERIOR NATURAL GAS PIPING SHALL BE PAINTED WITH 2 COATED OF EXTERIOR GRADE PAINT FOR PROTECTION.	SANITARY PIPING BELOW FLOOR SLAB IN GRADE P1 SANITARY & VENT PIPING ABOVE THE FLOOR P1, CI1, CI2 STORM DRAINAGE BELOW THE FLOOR IN SLAB P1	16. PROVIDE FINAL COORDINATION/INSTALLATION DRAWINGS TO THE OWNER IN BOUND PAPER AS WELL AS ELECTRONIC FORMAT FOR RECORD.	wnsh
		TESTING DOMESTIC WATER PIPING - 125 PSI FOR MIN. 6 HOURS AT THE LOW POINT IN THE SYSTEM.	STORM DRAINAGE ABOVE FLOOR P1, CI1, CI2 INDIRECT DRAINS/CONDENSATE DRAIN LINES	17. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.	n To'
		COMPRESSED AIR PIPING - 200 PSI FOR 6 HOURS. NATURAL GAS PIPING - 100 PSI COMPRESSED AIR FOR 6 HOURS.	TYPE DESCRIPTION TYPE DESCRIPTION	18. INSTALL ALL MATERIAL AND EQUIPMENT TO PROVIDE REQUIRED CLEARANCES TO MEET CODE REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND MAINTENANCE SERVICE.	ngto
		PIPING SYSTEM TYPE	CI1 NO-HUB CAST IRON (STD) SERVICE WEIGHT ASTM A888 OR CISPI 301 C1 SOLDERED COPPER TYPE "L" HARD COPPER ASTM B88	19. ALL WORK AREAS SHALL BE CLEANED TO MATCH ORIGINAL CONDITION.	ashii
_		DOMESTIC WATER SERVICE PIPING 3" & LARGER D1 DOMESTIC HOT, COLD AND RECIRCULATING WATER C1, C4, C5	SHIELDED COUPLINGS WROUGHT COPPER OR CAST ASTM C1277 OR CISPI 310 BRONZE FITTINGS RUBBER SLEEVE ASTM C564 95-5 SOLDER	20. MAINTAIN RECORD DRAWINGS AND PROVIDE TO THE OWNER OR HIS AGENT.	
		DOMESTIC COLD WATER BELOW GRADE C8, PX1 NATURAL GAS AT PRESSURES 5 PSI & LESS S1, S2 NATURAL GAS AT PRESSURES MORE THAN 5 PSI S1	CI2 HUB & SPIGOT CAST IRON ASTM A74, SERVICE CLASS DWV FITTING RUBBER GASKET ASTM C564 C5 PRESS-FIT COPPER TYPE "L" HARD COPPER ASTM B88 COPPER OR BRONZE FITTINGS	21. PROVIDE TWO (2) BOUND, PAPER COPIES OF ALL OPERATING AND MAINTENANCE MANUALS. PROVIDE AN ELECTRONIC COPY OF THE OPERATING AND MAINTENANCE MANUAL.	ISSUE NO. DATE DESCRIPTION
		MISCELLANEOUS UNDERGROUND NATURAL GAS (OUTSIDE OF BUILDING) PE1	ASTM B16.18 OR B16.22 250 DEG. F. EPDM SEALS	22. PROVIDE WARRANTY FOR ALL WORKMANSHIP, EQUIPMENT AND MATERIAL. WARRANTY SHALL BE 1 YEAR FOR PARTS AND LABOR,	03/22/22 FOR CONSTRUCTION
		TYPE DESCRIPTION TYPE DESCRIPTION S3 TYPE DESCRIPTION	P1 PVC SCHEDULE 40 PVC ASTM D2665 AND D2321 DWV FITTINGS, ASTM D3311 C8 TYPE "K" SOFT COPPER ASTM B88 WROUGHT COPPER OR CAST	PROVIDE EXTENDED WARRANTY PERIOD FOR PARTS AND/OR LABOR AS IDENTIFIED OR AS STANDARD FOR CERTAIN ITEMS OF EQUIPMENT.	
E		C1 SOLDERED COPPER TYPE "L" HARD COPPER ASTM B88 S1 WELDED BLACK STEEL SCHEDULE 40, ASTM A53 TYPE E	GLUED JOINTS WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER	23. PROVIDE TRAINING AND MAINTENANCE INSTRUCTION FOR SYSTEMS AND EQUIPMENT TO THE OWNER.	_
		WROUGHT COPPER OR CAST BRONZE FITTINGS 95-5 SOLDER WROUGHT-STEEL WELDING FITTINGS: ASTM A 234/A 234M 150 LB. C.I. FITTINGS			
		C4 GROOVED COPPER TYPE "L" HARD COPPER ASTM B88 COPPER ASTM B75 LINS C12200 150 LB C L EITTINGS			
_		COPPER ASTM B75 UNS C12200 150 LB. C.I. FITTINGS FITTINGS VICTAULIC STYLE 607 COUPLING			<u> </u>
		C5 PRESS-FIT COPPER TYPE "L" HARD COPPER ASTM B88 COPPER OR BRONZE FITTINGS S3 THREADED GALVANIZED STEEL SCHEDULE 40, ASTM A53 TYPE E OR F CLASS 300 FITTINGS			DATE 3/22/2022
		ASTM B16.18 OR B16.22 250 DEG. F. EPDM SEALS C8 TYPE "K" SOFT COPPER PE1 POLYETHYLENE			JOB NO. 3952.00 DRAWN DEG
		ASTM B88 WROUGHT COPPER OR CAST BRONZE FITTINGS PE 2306, 2406 TYPE II GRADE 3, PE 3406, 3408 TYPE III,			CHECKED JDZ COPYRIGHT © 2022 - App Architecture, Inc.
		95-5 SOLDER ASTM D2513 HEAT FUSION JOINTS D1 DUCTILE IRON PX1 PEX TUBING CROSS INVENTIGATION CROSS INVEN			TITLE MATERIAL SCHEDULES
		ANSI A21.51 & AWWA CLASS 53 OR 51 250 LB. FITTINGS FLANGED FITTINGS CROSSLINKED POLYETHYLENE TUBING, SDR 9, ASTM F877 METAL INSERT FITTINGS WITH COPPER OR STEEL CRIMP RING			SHEET NO.
					P0.2

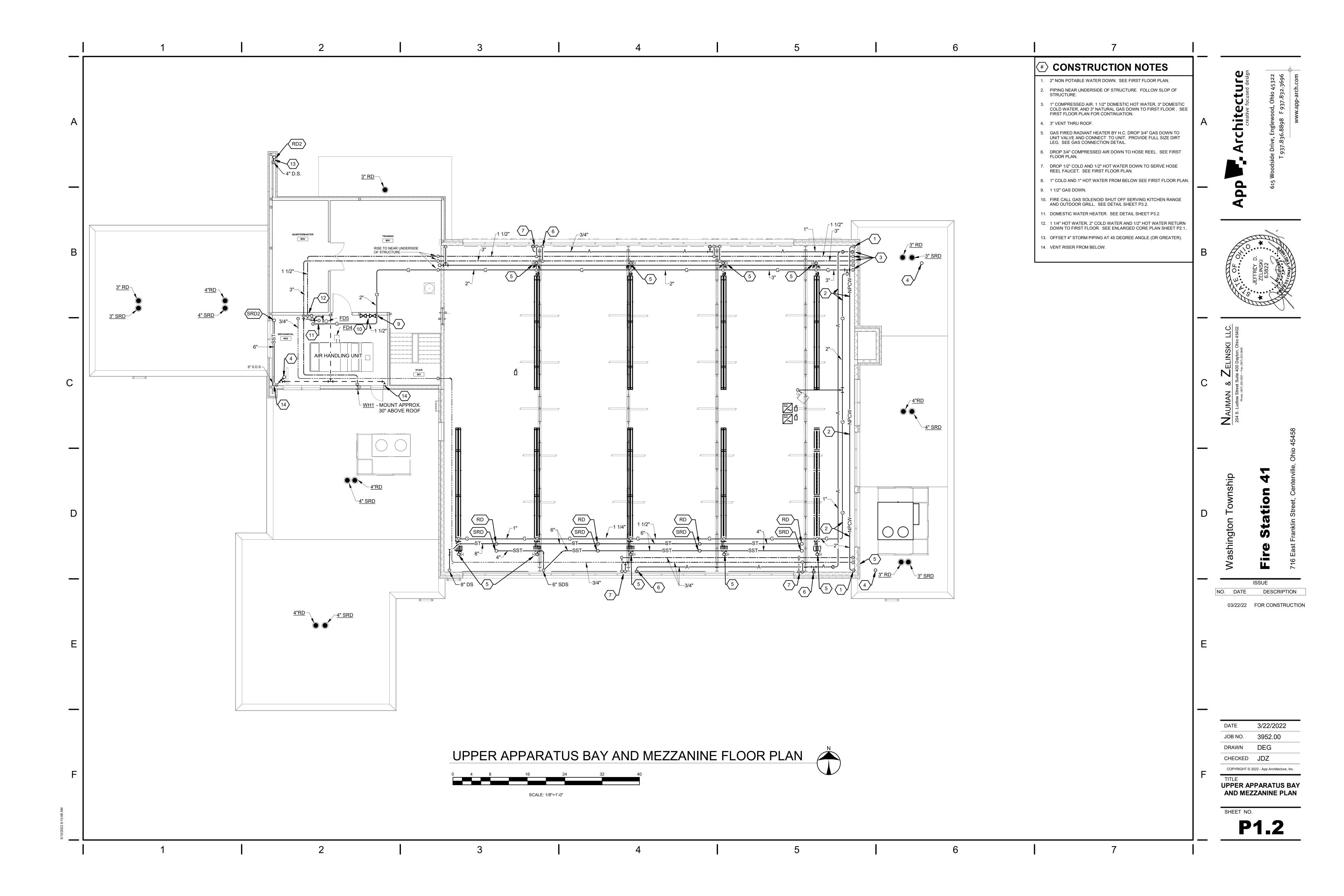
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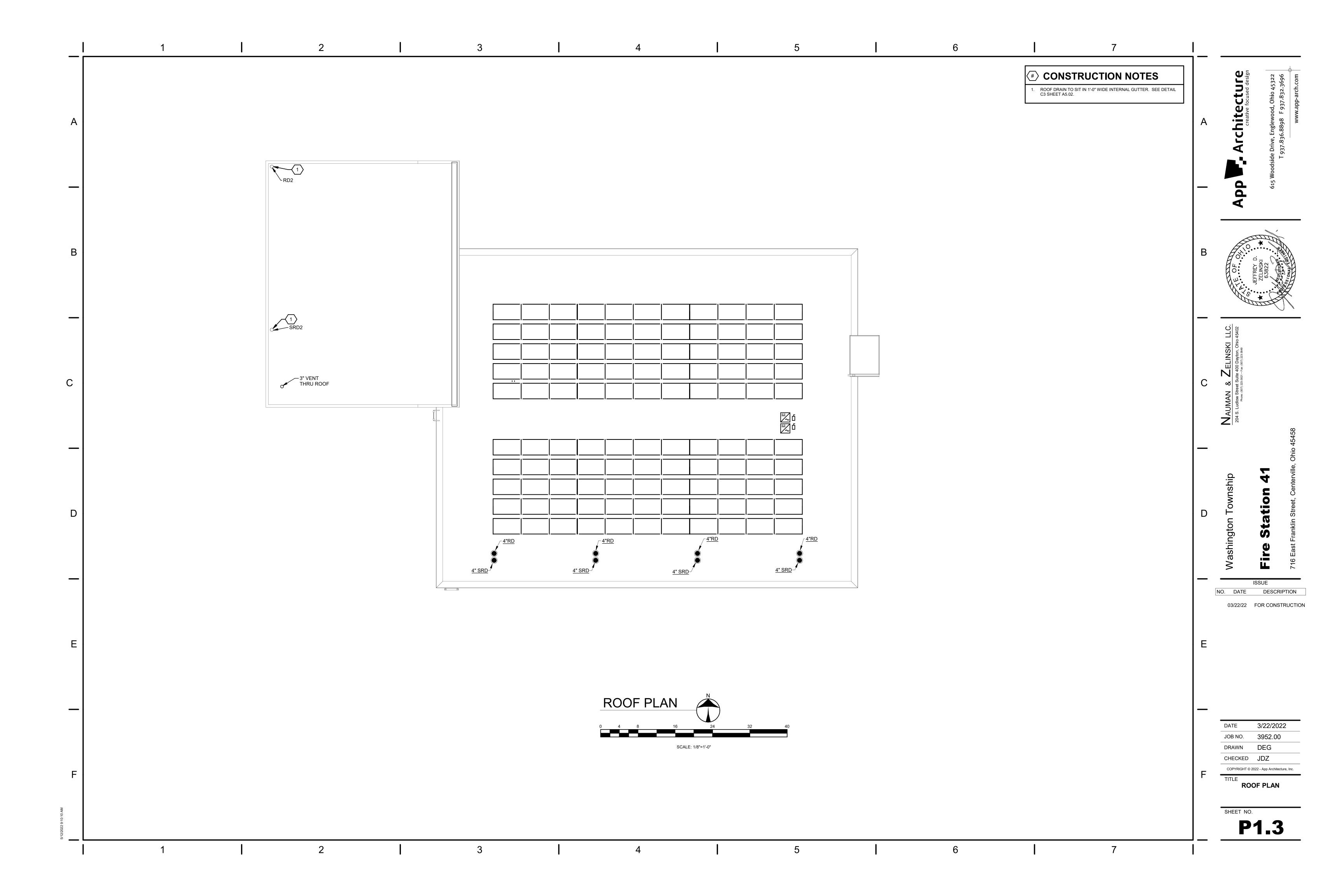
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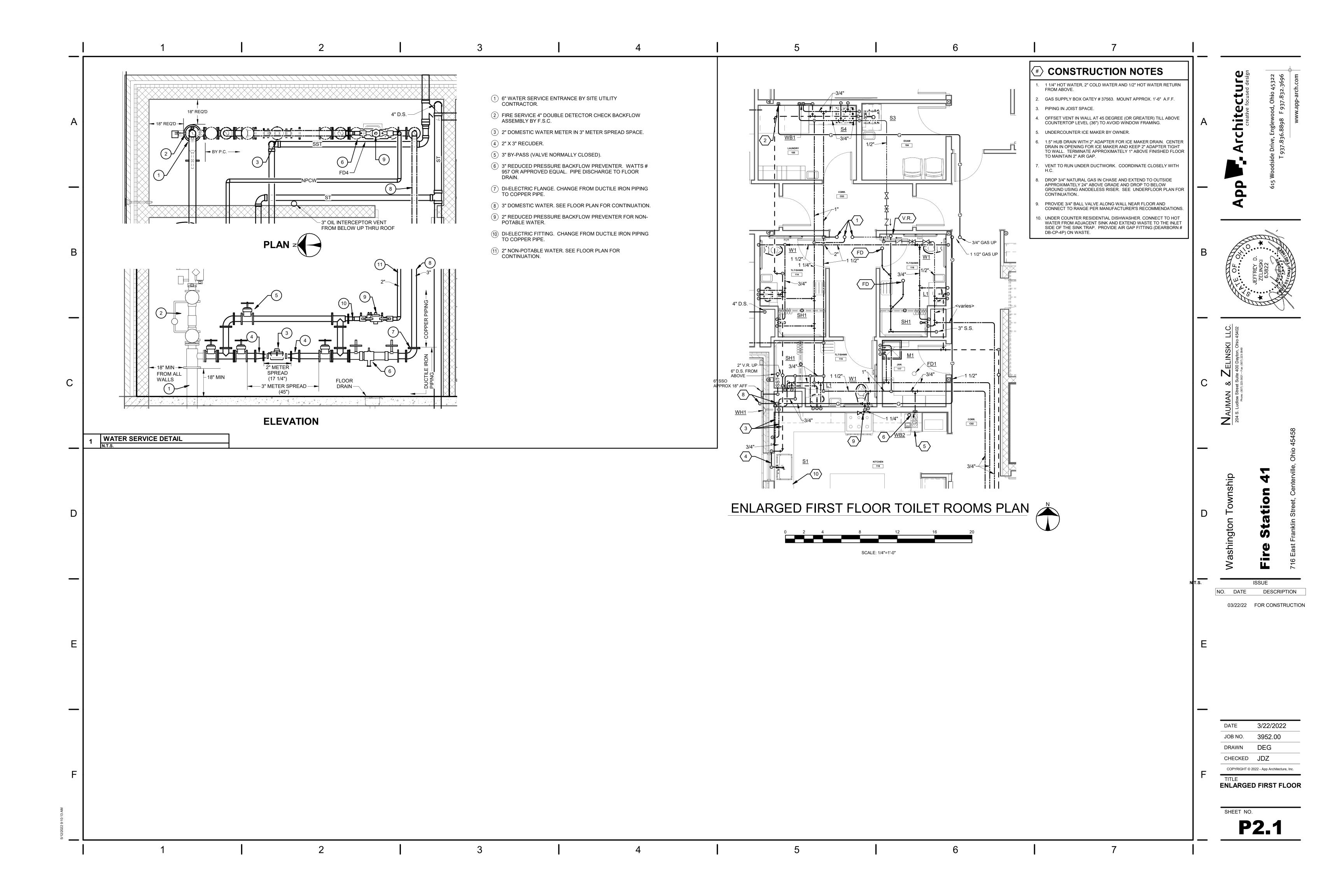
 <u> </u>	<u> </u>	2	 3	4		5	6	_ 		7	<u> </u>
				PIPE HANGER SCHEDULE	- PLUMBING		VALVE SCHEDULE]
				GENERAL NOTES FOR PIPE HANGERS:			GENERAL NOTES FOR VALVES:				
				DESIGN SUPPORTS FOR MULTIPLE PIPES CAPABLE SYSTEMS, SYSTEM CONTENTS, AND TEST WATER.	OF SUPPORTING COMBI	NED WEIGHT OF SUPPORTED	QUALITY ASSURANCE VALVES SHALL COMPLY WITH ANSI, ASTM A	ND ASME.			
				DESIGN SEISMIC-RESTRAINT HANGERS AND SUPP	ORTS FOR PIPING AND OE	BTAIN APPROVAL FROM	VALVES ON DOMESTIC WATER SYSTEMS SH	HALL BE "LEAD FREE" IN ACCORDANCE	E WITH THE FEDERAL S	SAFE WATER	
				AUTHORITIES HAVING JURISDICTION. WELDING: QUALIFY PROCEDURES AND PERSONN	EL ACCORDING TO ASME	BOILER AND PRESSURE	ACT (S3874) DEFINITION AND CONFORM TO GROOVED END VALVES SHALL CONFORM T				A
				VESSEL CODE: SECTION IX.							5
				ATTACHMENT OF PIPE HANGER RODS TO THE STR 1. PRE-SET CONCRETE INSERTS.			PRODUCTS WORKING PRESSURES SHALL EXCEED THO		D.		∥ Ā
				 AFTER-SET STEEL EXPANSION TYPE CONCRET BEAM CLAMPS FOR STEEL CONSTRUCTION EG IN SLOPED STEEL CONSTRUCTION TO PROVIDE 	UAL TO ANVIL FIG. 92, 93,	OR 94. UTILIZE SWIVEL TYPE	VALVES WHICH ARE INSULATED SHALL HAV PROVIDE FLOW MEASURING GAUGES WITH		BALANCING VALVES F	PROVIDE	
				HANGER RODS. 4. SIDE BEAM BRACKET FOR WOOD CONSTRUCT	ION EQUAL TO ANVIL FIG.		METERING TOOL.	,			
				5. CHANNEL SUPPORT SYSTEM EQUAL TO UNIST		LICTURAL MEMBERS AND	PROVIDE HOSE ADAPTORS ON DRAIN VALVE		DEWED ENDS		∥– ♣
				ATTACHMENT TO MANUFACTURED TRUSSES AND SUPPORTS SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS. REFER TO THE ARCHITECTURE.	H THE STRUCTURAL MANU	JFACTURER'S	SWEAT END VALVES OF EQUAL CONSTRUCION IN MECHANICALLY JOINED SYSTEMS, VALVE				A
				ENGINEERED STRUCTURAL SYSTEMS BEING USED SHALL BE MADE WITH CONNECTION DEVICES AND). CONNECTIONS TO THE METHODS APPROVED BY	SE STRUCTURAL MEMBERS THE STRUCTURAL	ACCEPTABLE AND MAY BE MANUFACTURED				
				MANUFACTURER. PROVIDE ADDITIONAL SUPPORT SPACING BETWEEN STRUCTURAL MEMBERS EXCE	S WITH SUPPLEMENTAL SEEDS SPECIFIED DISTANCI	STEEL SHAPES WHEN ES.	VALVE MANUFACTURERS: BALL VALVES - NIBCO, WATTS, MILWAUKEE, BALANCING VALVES - BELL & GOSSETT, ARM	APOLLO, CONBRACO, CRANE.			
				ADJUST PIPE HANGERS TO PROPER ELEVATION AID BEFORE PIPE INSULATION IS INSTALLED.	ND SET HANGER RODS IN	A VERTICAL POSITION	CHECK VALVES - NIBCO, STOCKHAM, WATTS				
				THE FIRST TWO HANGERS ON PIPING CONNECTIN			EXECUTION VALVES SHALL BE INSTALLED WITH STEM A	BOVE CENTERLINE OF PIPE.			B
				WITH A STEEL SPRING AND NEOPRENE VIBRATION NO. 30N.	ISOLATION SECTION SIMI	LAR TO MASON INDUSTRIES,	PIPING SYSTEM		VALVE TYPE]
				TRAPEZE HANGERS FOR NUMEROUS PIPES RUN II MEMBERS SHALL BE UNISTRUT TYPE SECTION WIT	TH PIPE ROLLERS (TO ALL	OW FOR EXPANSION TRAVEL)	DOMESTIC WATER SERVICE	BUTTERFLY BALL CH	IECK GATE	BALANCING LUB. PLUG	
				AND SPRING AND NUT CONNECTORS, SUSPENDED INDIVIDUAL PIPE HANGER SUSPENSION.) WITH HANGER RODS AN	DATTACHMENTS SIMILAR TO	2" AND LARGER DOMESTIC WATER (CW, HW, & HWR)		D18		
				SHORTENED EXTENDED LEGS OF PIPE RISER CLA CLAMP WITHIN THE PIPE CHASE. INSURE THAT AD			2" AND SMALLER	04	1, C13	E11	\mathbf{H}
				HANGER ASSEMBLIES EXPOSED ON COMPLETION			DOMESTIC WATER (CW, HW, & HWR) 2.5" AND LARGER		2, C14 C16		
				INSTALLATION. PIPE SUPPORTS FOR PIPE RUNNING ACROSS THE	ROOF SHALL BE INSTALL	ED IN ACCORDANCE WITH	COMPRESSED AIR (150 PSI AND LESS) 2" AND SMALLER	B15			LLC 045402
				THE MANUFACTURER'S INSTRUCTIONS AND AS DE ROOFING MEMBRANE UNDER THE BASES TO SATIS	TAILED. INSTALL PROTEC SFY REQUIREMENTS OF B	CTIVE SLIP SHEETS OF	COMPRESSED AIR (150 PSI AND LESS) 2.5" AND LARGER	B16			ISKI on, Ohic
				MANUFACTURER AND THE SUPPORT SYSTEM MAN IN PIPING SYSTEMS WITH MECHANICAL JOINT COL		HALL BE BROWNED ON	INTERIOR NATURAL GAS 4" AND SMALLER	B17			ELIN 00 Dayto
				HORIZONTAL PIPING AT NORMAL SPECIFIED INTER LEFT UNSUPPORTED BETWEEN ANY TWO COUPLIE OUT THE REPORT OF THE PIPE O	VALS AND, IN ADDITION, S	O THAT NO PIPE SHALL BE	INTERIOR NATURAL GAS 4" AND LARGER			P11	Z Z Suite 40
				IN DIRECTION TAKES PLACE. VERTICAL PIPING SHA OR EVERY OTHER PIPE LENGTH, WHICH EVER IS N	ALL BE SUPPORTED AT NO	RMAL SPECIFIED INTERVALS	EXTERIOR NATURAL GAS 3" AND SMALLER	B18		P11	Street 98 (1937) 223.7 223.7
				FITTING SHALL BE SUPPORTED. SYSTEM & SIZE ORIENTATION & SIZE		SPACING	TYPE DESCRIPTION	TYPE DESCRIPTION	TYPE	DESCRIPTION	JMAI
				STEEL PIPING VERTICAL		AND 15FT MAXIMUM	B11 NIBCO T-585-80-LF,	B17 NIBCO T-FP-600A,		3CO F-910-LF	Z A S. 1
				HORIZONTAL 2" & SMALLER	1	8 FT.	150 W.S.P., TWO-PIECE BRONZE BODY, SCREWED ENDS, BRONZE BALL AND BRONZE STEM, TFE	600 PSI NON-SHOCK COLD PIECE, BRASS BODY, SCRI ENDS, FULL PORT, BRASS	EWED AC	W.O.G., IN-LINE SPRING TUATED CENTER GUIDED ENT CHECK, GLOBE STYLE,	
				HORIZONTAL 2.5" - 6"		10 FT.	SEAT AND SEAL, HANDLE. NSF/ASME 61	TFE SEAT, HANDLE. UL LIS FOR GAS. ASME B16.44	TED IRC	ON BODY FOR INSTALLATION TWEEN FLANGES, BRONZE	
				HORIZONTAL 8" & LARGER		12 FT.	B14 APOLLO 70LF-240,	B18 NIBCO T-585(OR 580)-70-UL		AT AND DISC. NSF/ASME 61	
				CAST IRON VERTICAL		AND 15FT MAXIMUM FT. INTERVALS.	150 WSP TWO-PIECE, LEAD-FREE BRONZE	600 PSI NON-SHOCK COLD PIECE, BRONZE BODY, SCI	, 2 125 REWED SC	W.S.P. BRONZE BODY, REWED ENDS, BRONZE SWING	
					SUPPORT EACH LENGE 18" FR	GTH OF PIPE NOT MORE THAN OM THE JOINT.	BODY, 316 STAINLESS STEEL BALL AND STEM, STANDARD PORT, TEFLON SEAT AND SEAL.	ENDS, FULL PORT, BRASS TFE SEAT, HANDLE. UL LIS FOR GAS. ASME B16.33		SC, F/ASME 61	ll shik
				HORIZONTAL	AND BRANCHE	ENDS OF HORIZONTAL RUNS S AND EACH CHANGE IN	HANDLE, NSF/ASME 61				ȟ
					5" AND LARGER PRO	IRECTION. DVIDE BRACING TO PREVENT MENT IN ACCORDANCE WITH	B15 NIBCO T-580-CS-R-66 1500 W.O.G., TWO-PIECE CARBON STEEL BODY, SCREWED ENDS,	C11 NIBCO T-413-Y-LF, 125 W.S.P., BRONZE BODY SCREWED ENDS, RENEWA	, 200	NNEDY KS-FW 8068A,) PSI, NSF 61 EPOXY COATED ST IRON BODY, RESILIENT	
				OODDED TUDING VEDTICAL	CISPI "SOIL PIPE /	AND FITTINGS HANDBOOK"	STAINLESS STEEL BALL AND STEM, TFE SEAT AND SEAL,	BRONZE SWING DISC WITH SEAT RING.		EDGE, O.S.& Y., FLANGED ENDS	[] tou
				COPPER TUBING VERTICAL HORIZONTAL 1.25" & SMALLE		AND 15FT MAXIMUM 6 FT.	HANDLE. B15 NIBCO T-580-CS-R-66	NSF 61 C12 NIBCO T-938-33,	E11 BEI	LL & GOSSETT CB-1LF	ingt
				HORIZONTAL 1.5" - 2"		8 FT.	1500 W.O.G., TWO-PIECE CARBON STEEL BODY, SCREWED ENDS,	PRESSURE., DUCTILE IRON	N BODY, BR.) PSI, BRONZE BODY WITH ASS BALL, SCREW	 ssh
				HORIZONTAL 2.5" & LARGER	₹	10 FT.	STAINLESS STEEL BALL AND STEM, TFE SEAT AND SEAL, HANDLE.	STAINLESS STEEL TRIM, FLANGED ENDS, RENEWAI STAINLESS STEEL SWING	BLE PO	NNECTION, READOUT & DRAIN RTS, TFE SEATS, CALIBRATED MEPLATE, HANDLE WITH	
				PLASTIC PIPING VERTICAL	PER MANUFACTU	RER'S RECOMMENDATION		AND SEAT RING. NSF/ANSI 61-8		MORY STOP, NSF/ASME 61]
				HORIZONTAL	PER MANUFACTU	RER'S RECOMMENDATION	B16 NIBCO T-515-CS-F-66, 285 W.S.P., SPLIT CARBON STEEL	C13 NIBCO T-480-Y-LF, 125 W.S.P., IN-LINE SPRING	irc	RDSTROM NO. 143, 200 PSI, DN BODY, ST. ST. STEM,	NO. DATE
							BODY, FLANGED ENDS, STAINLESS STEEL BALL AND STEM, PTFE SEAT AND SEAL,	ACTUATED CENTER GUIDE SILENT CHECK,BRONZE BO SCREWED ENDS, TFE DISC	DDY,	ANGED ENDS, WRENCH	03/22/22
							HANDLE.	SEAT RING, NSF/ASME 61	771112]
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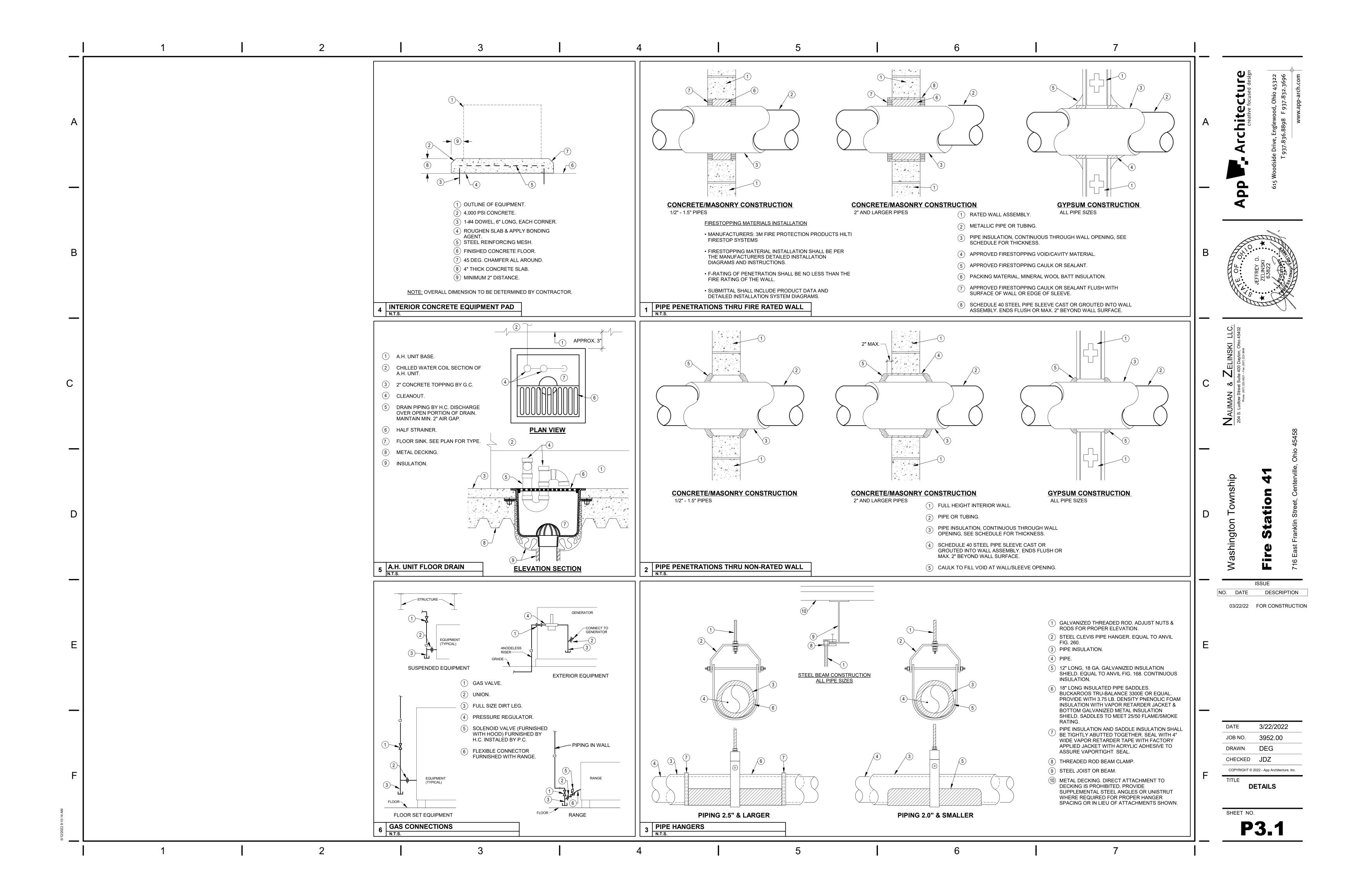


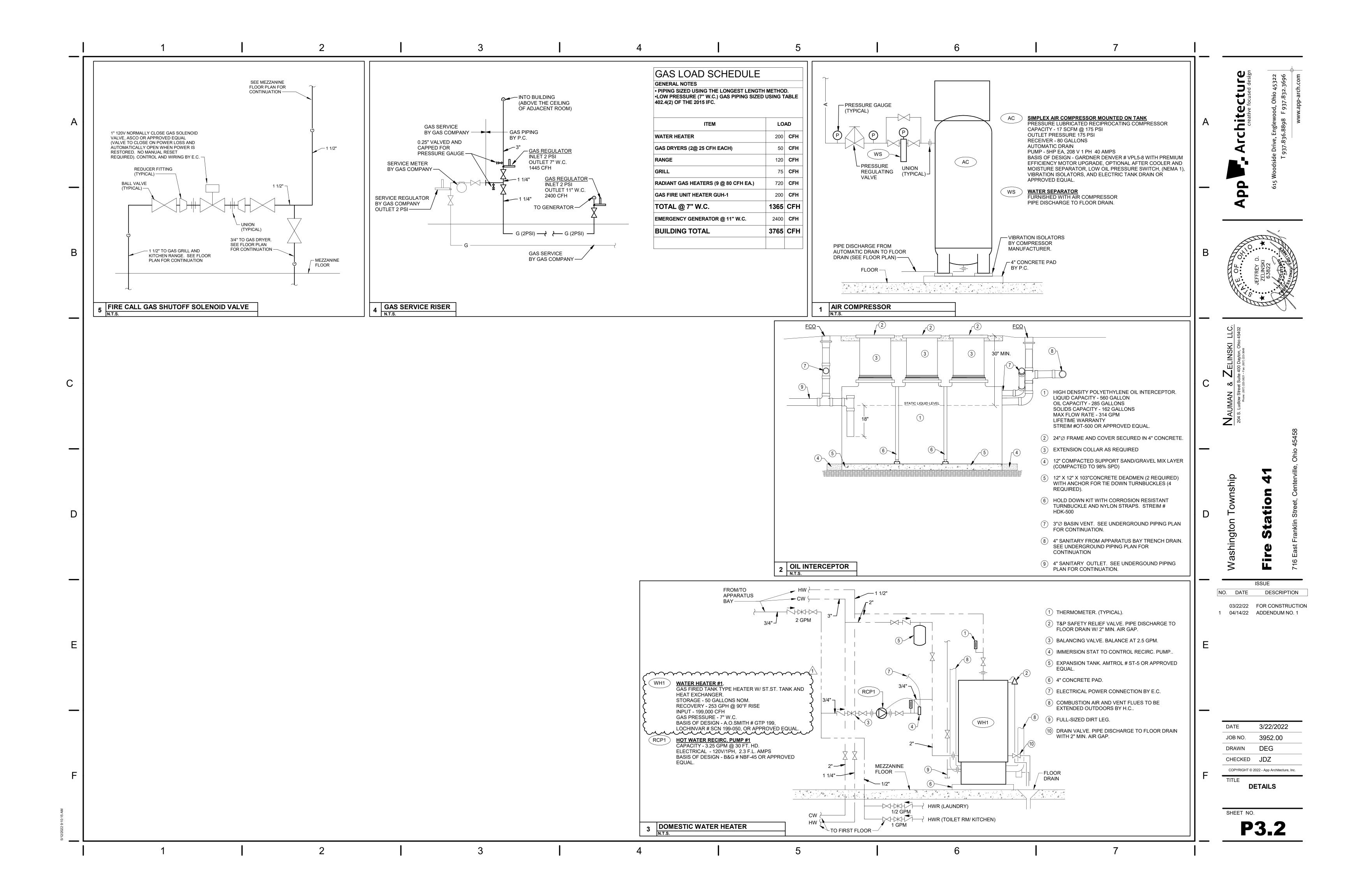


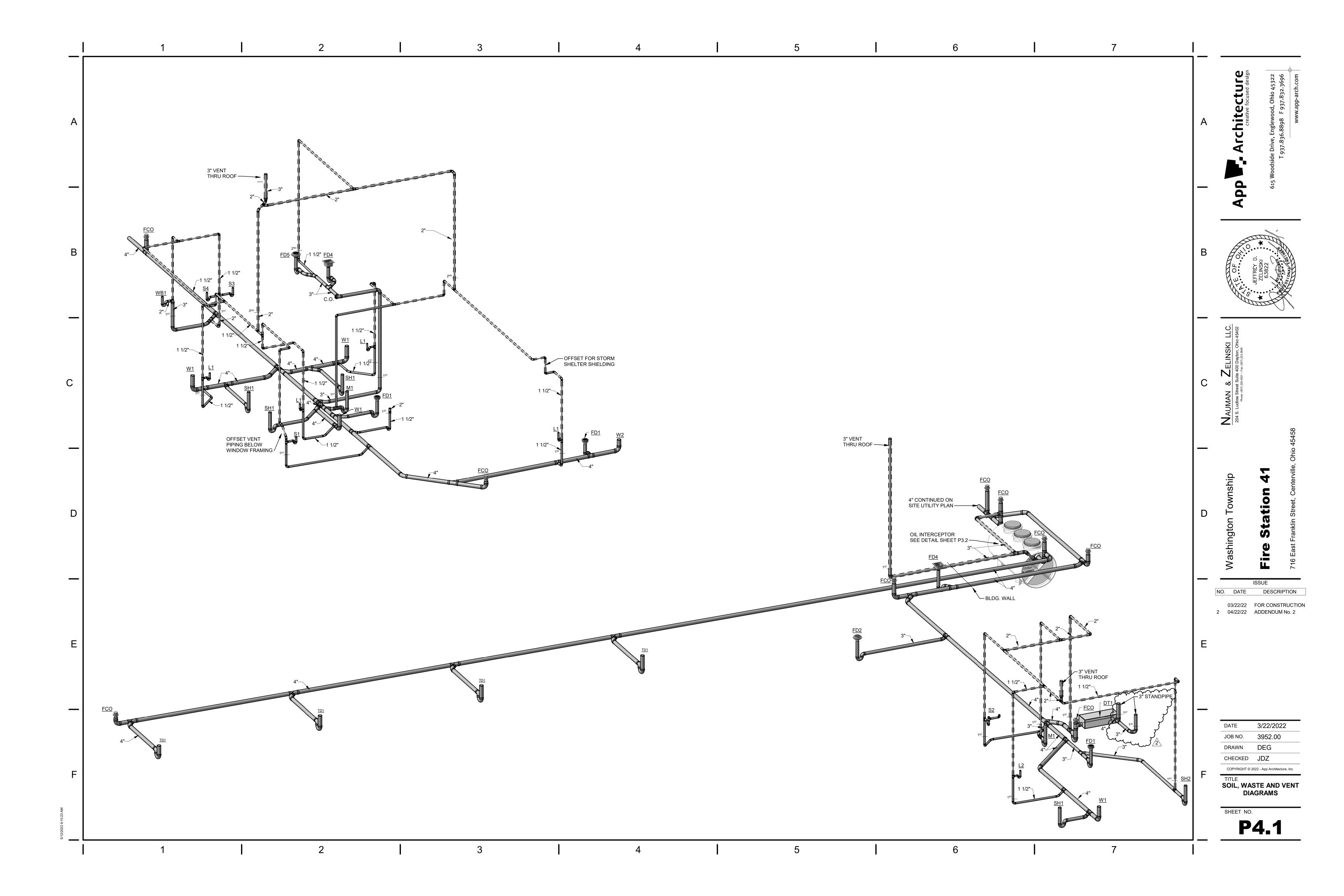


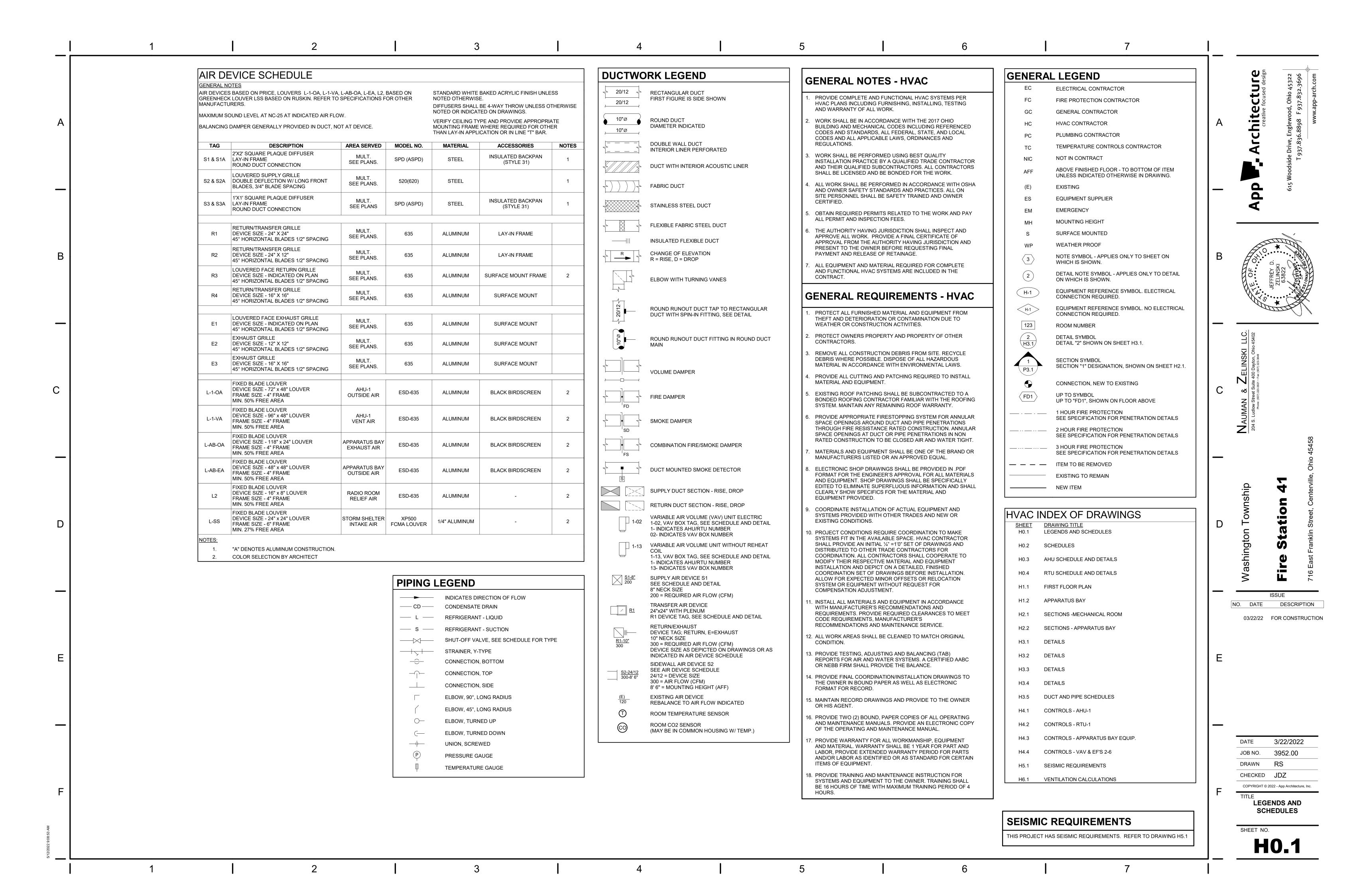


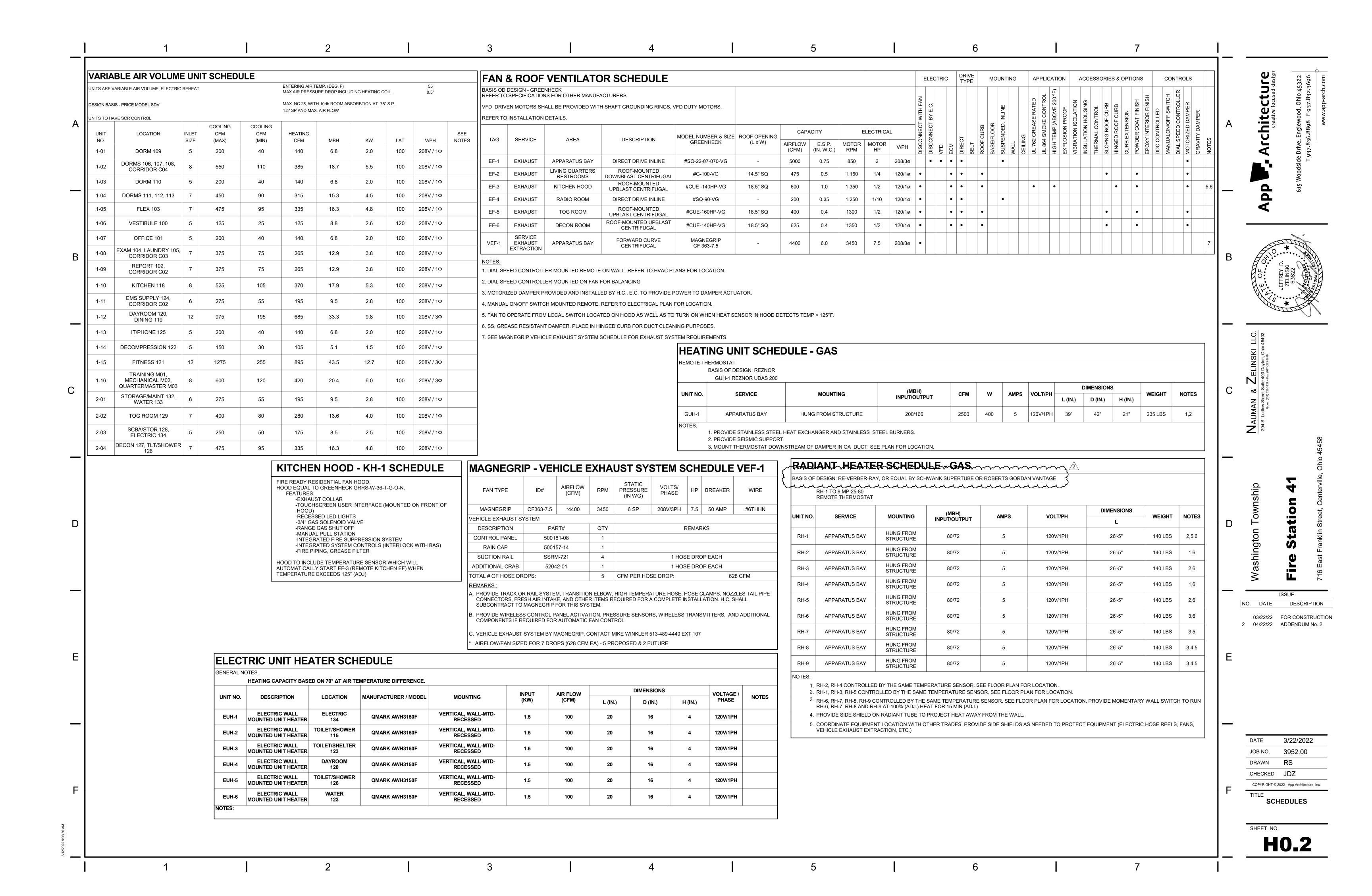


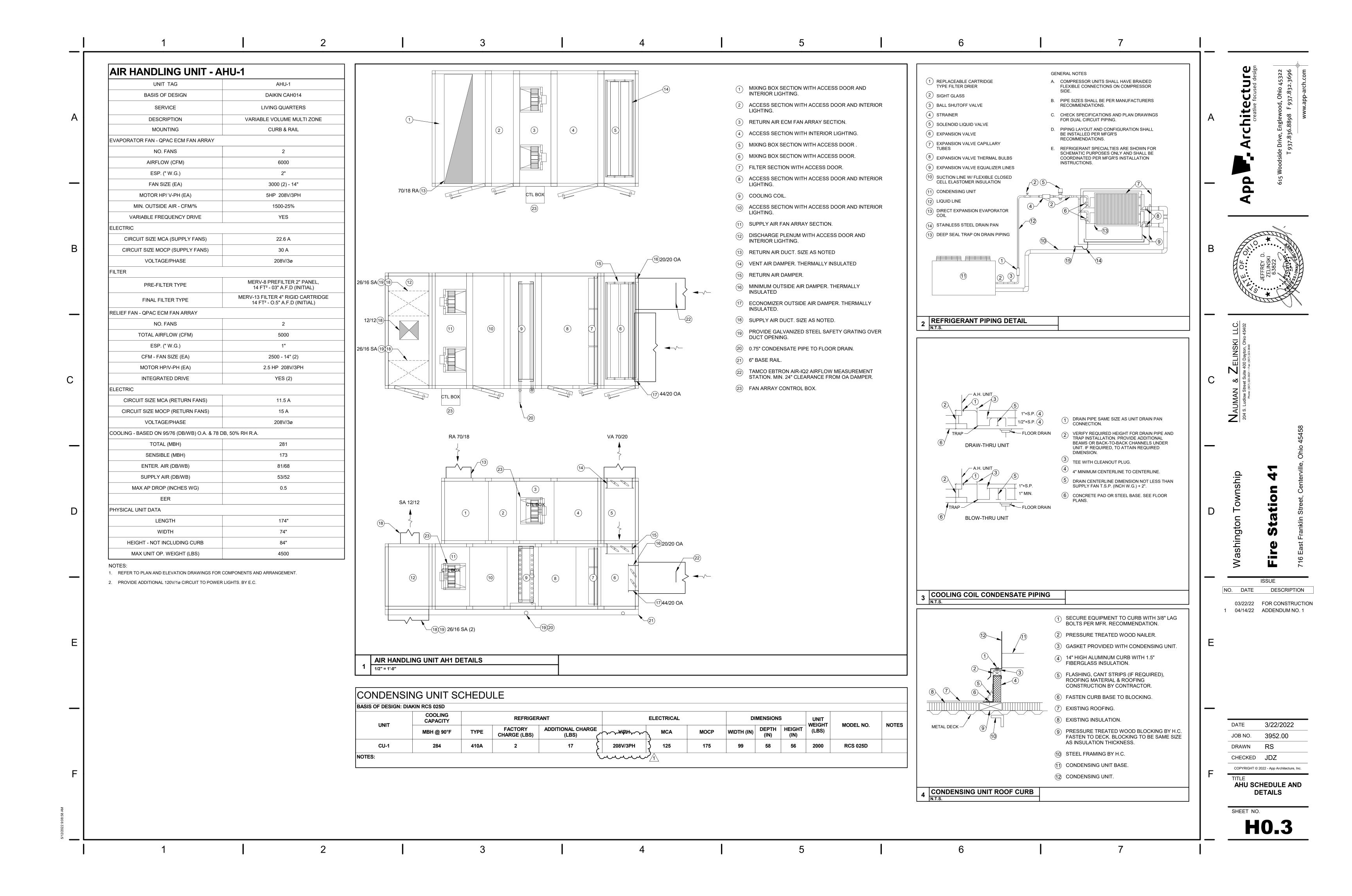


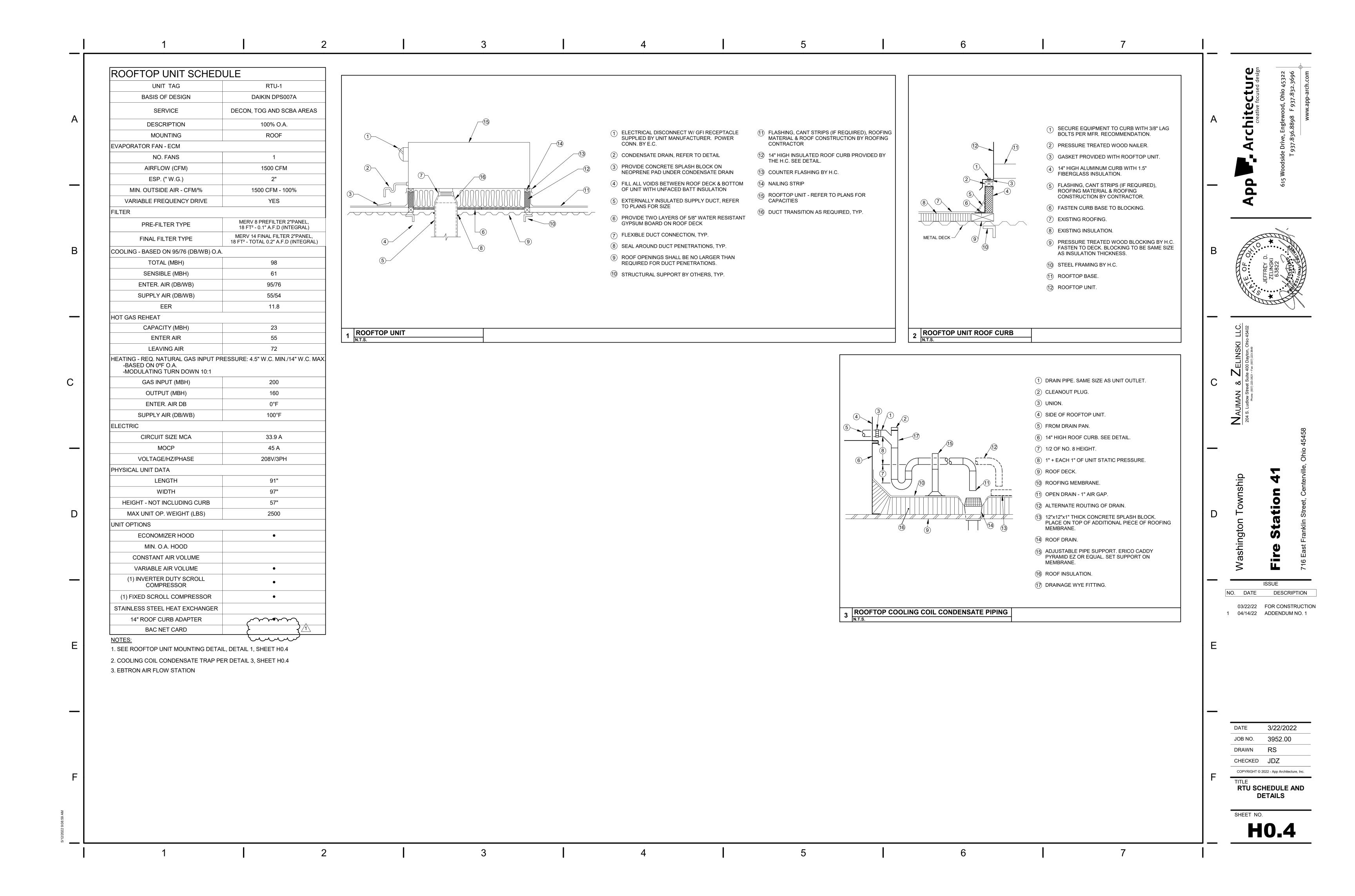


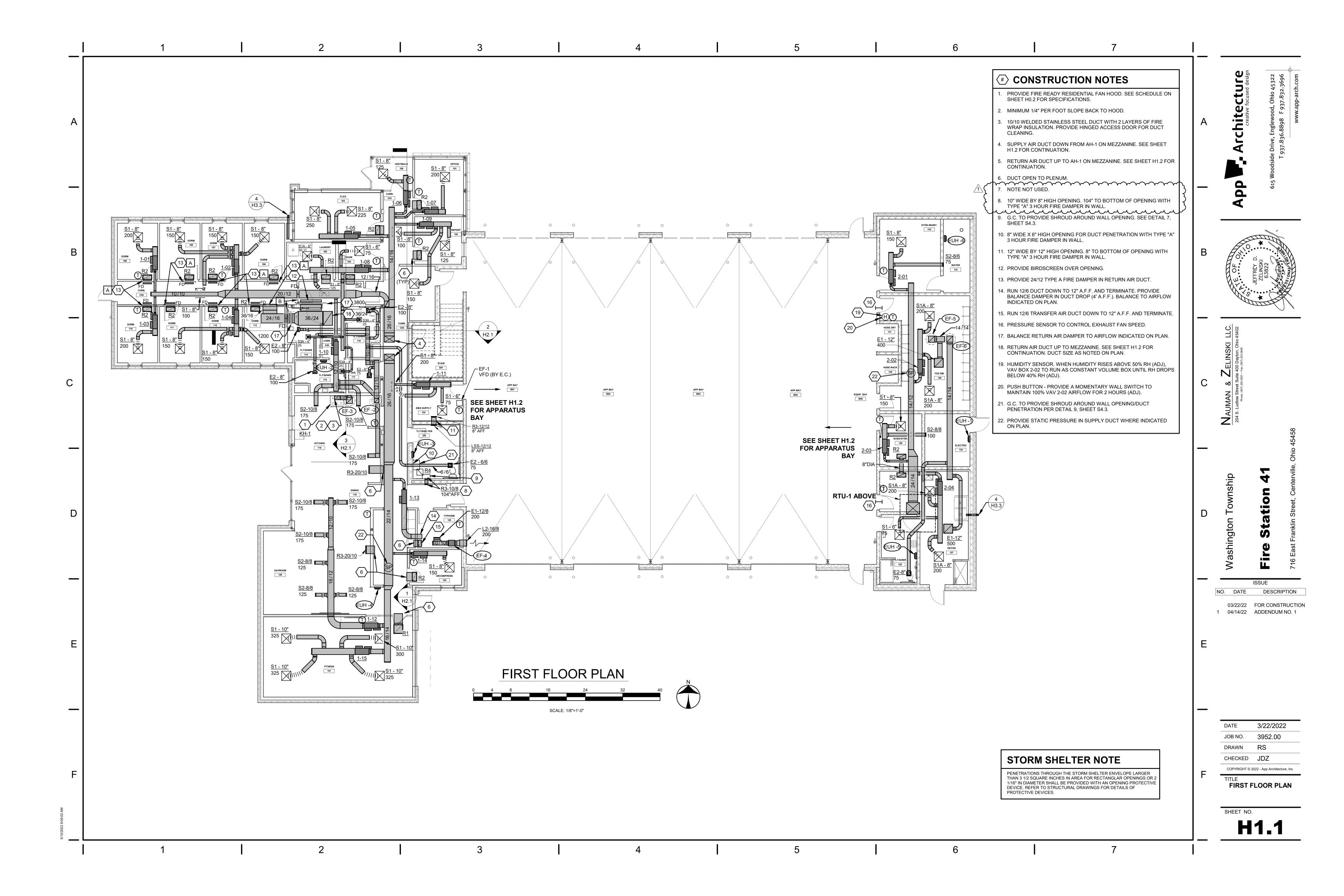


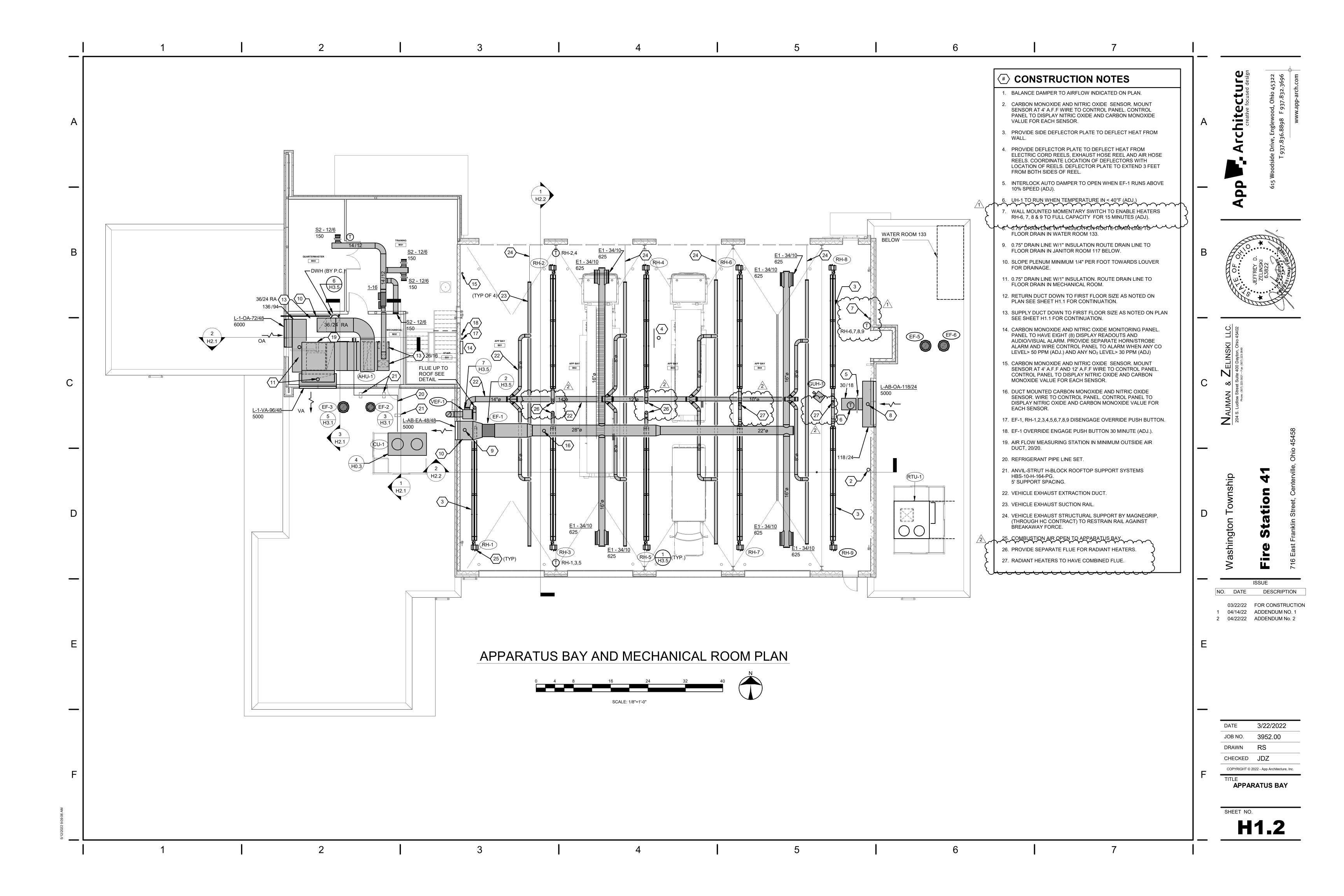


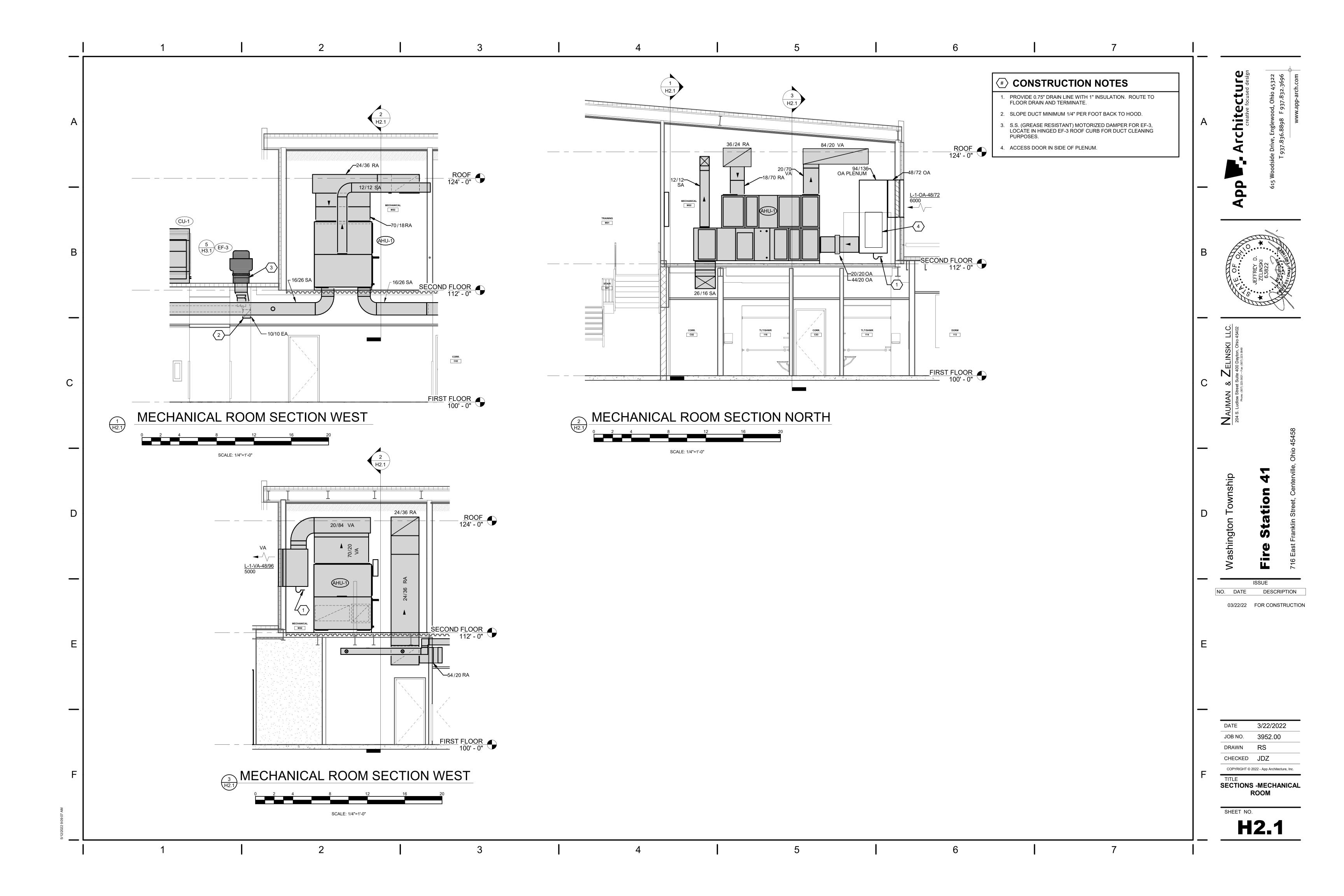


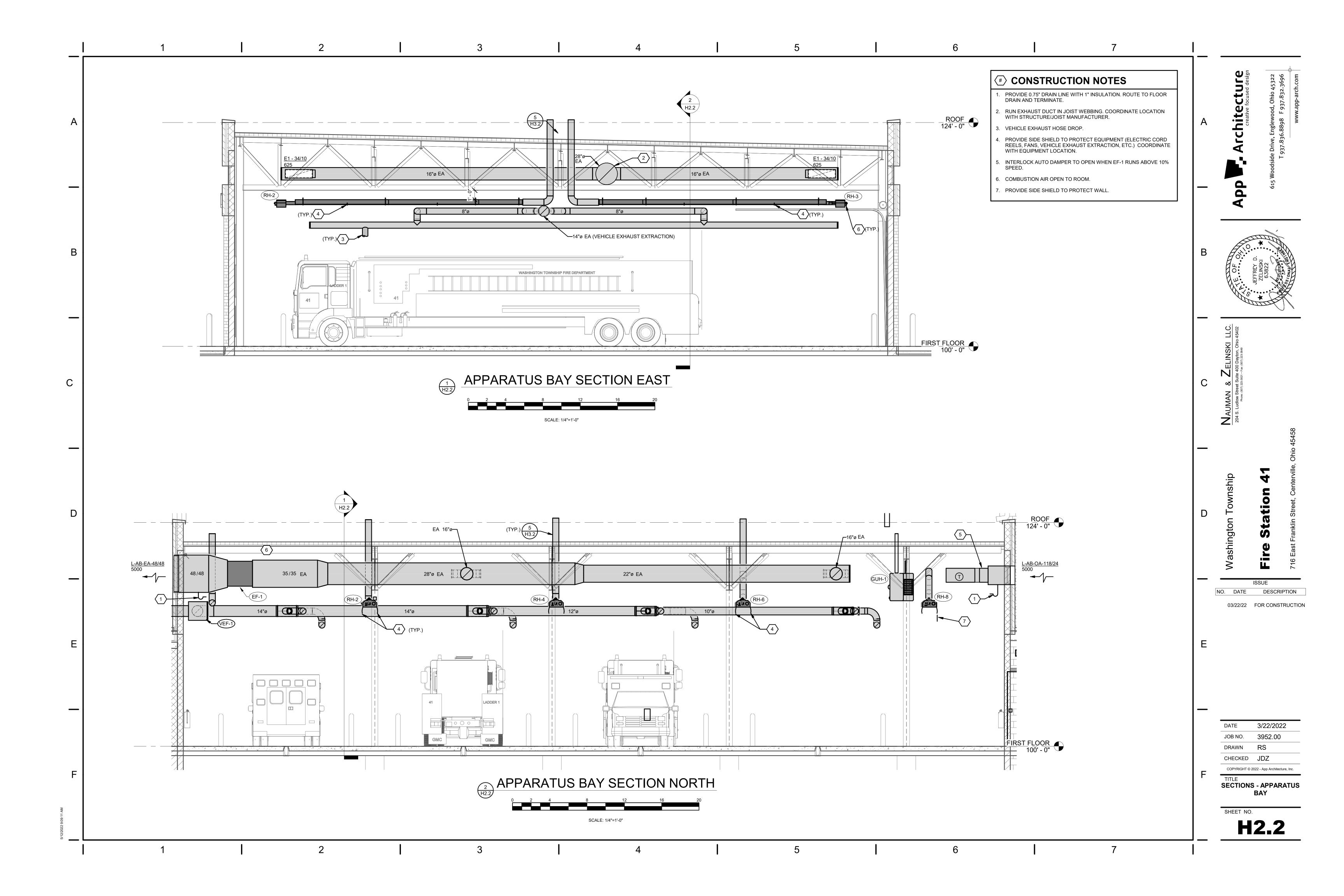


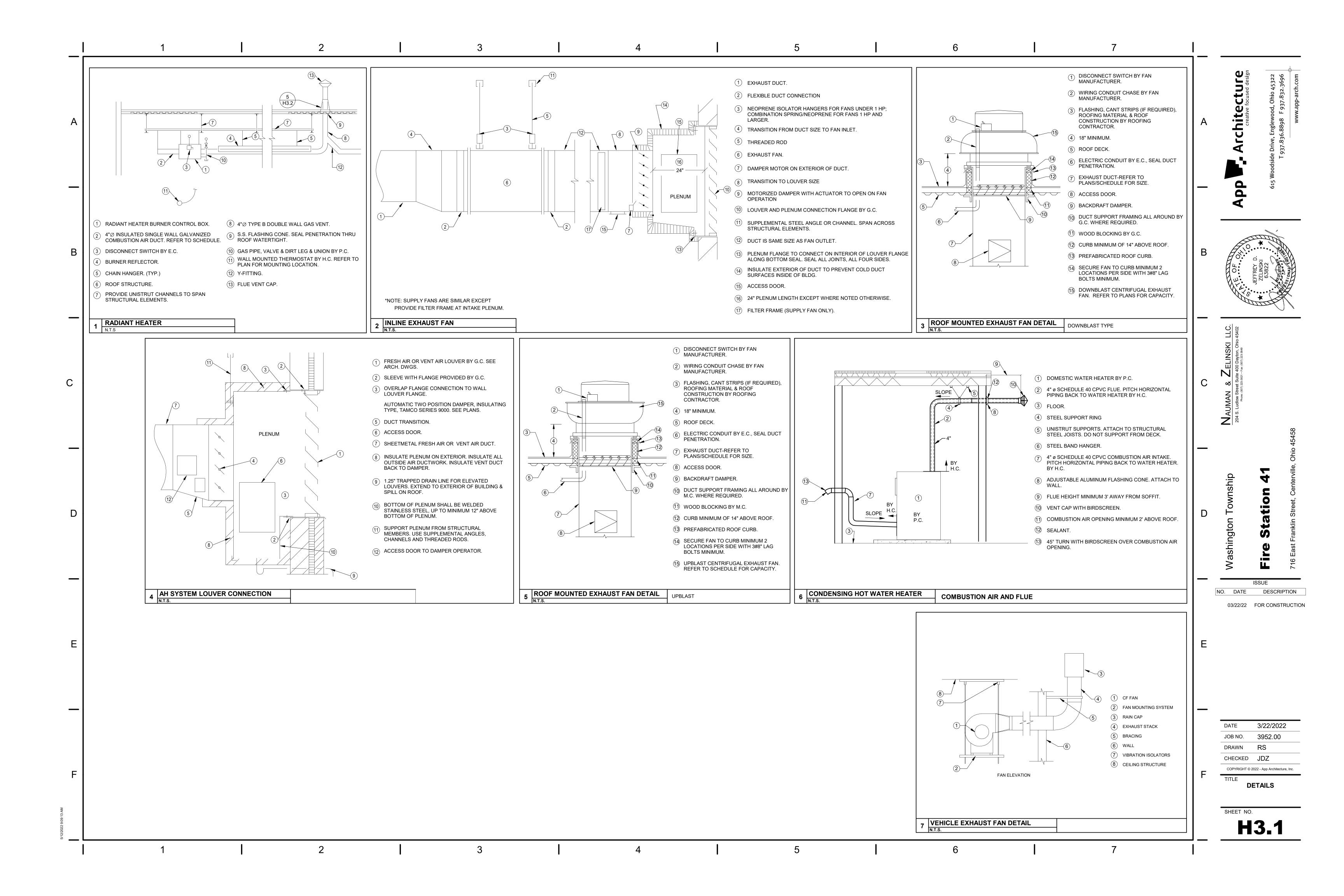


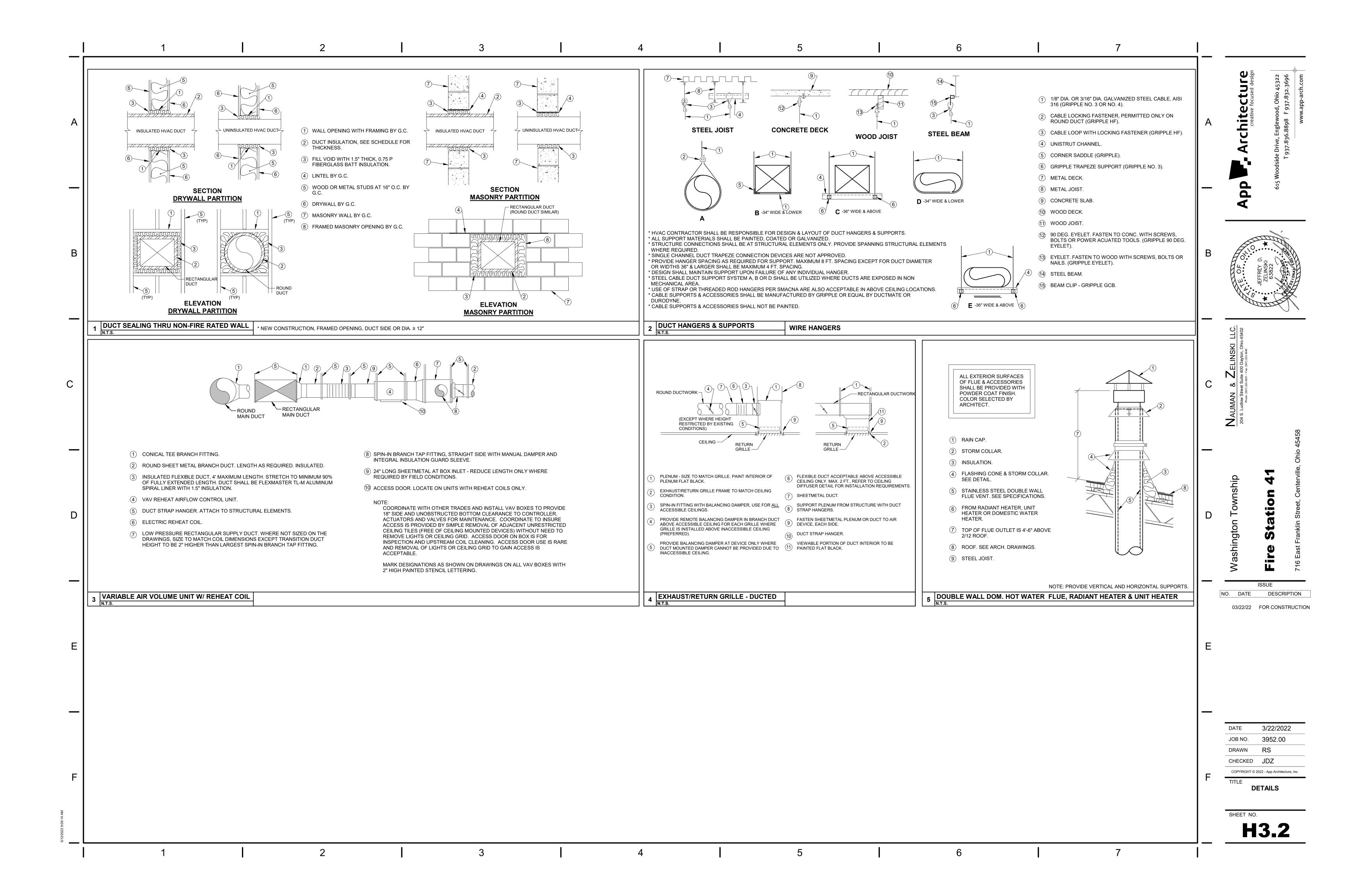


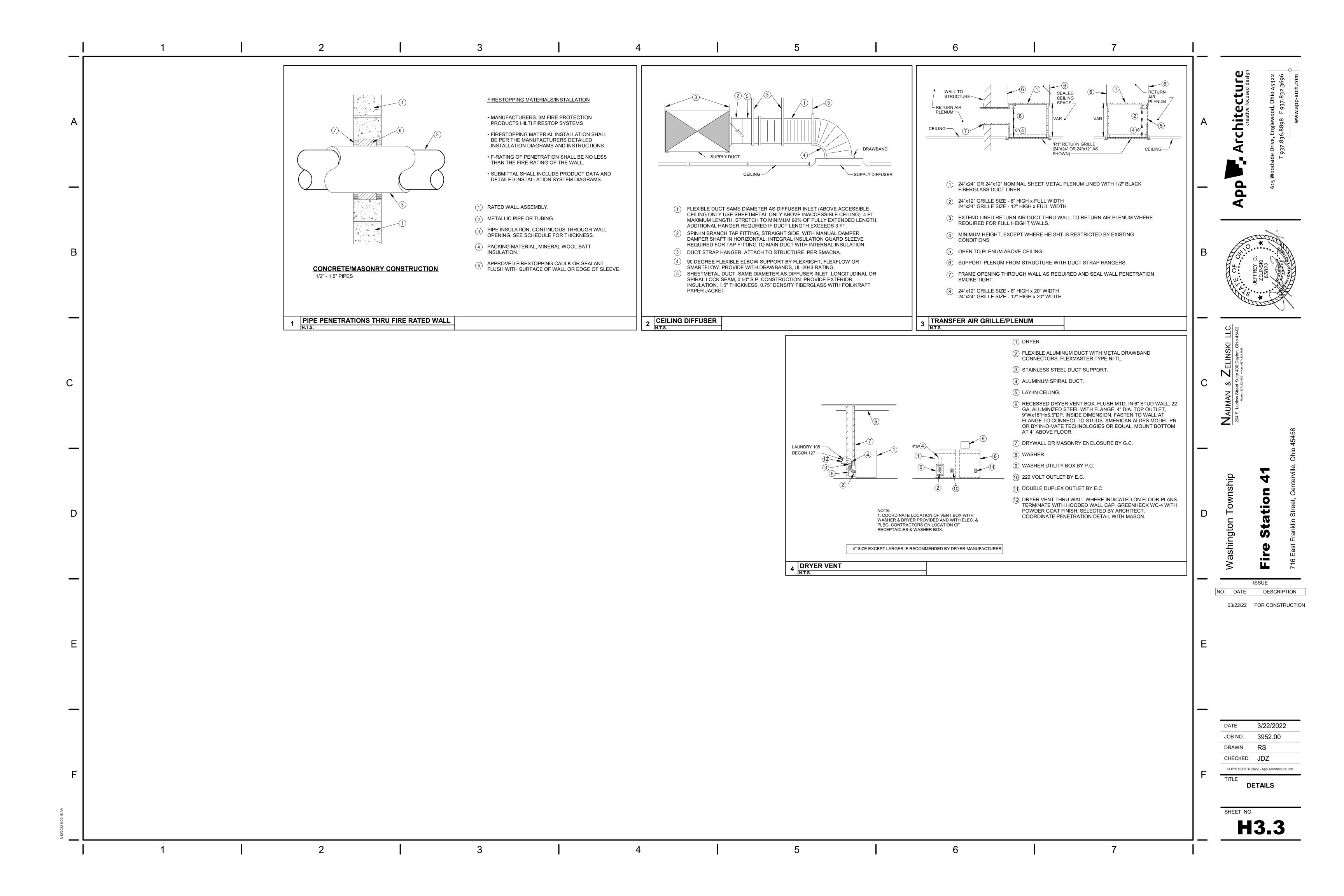


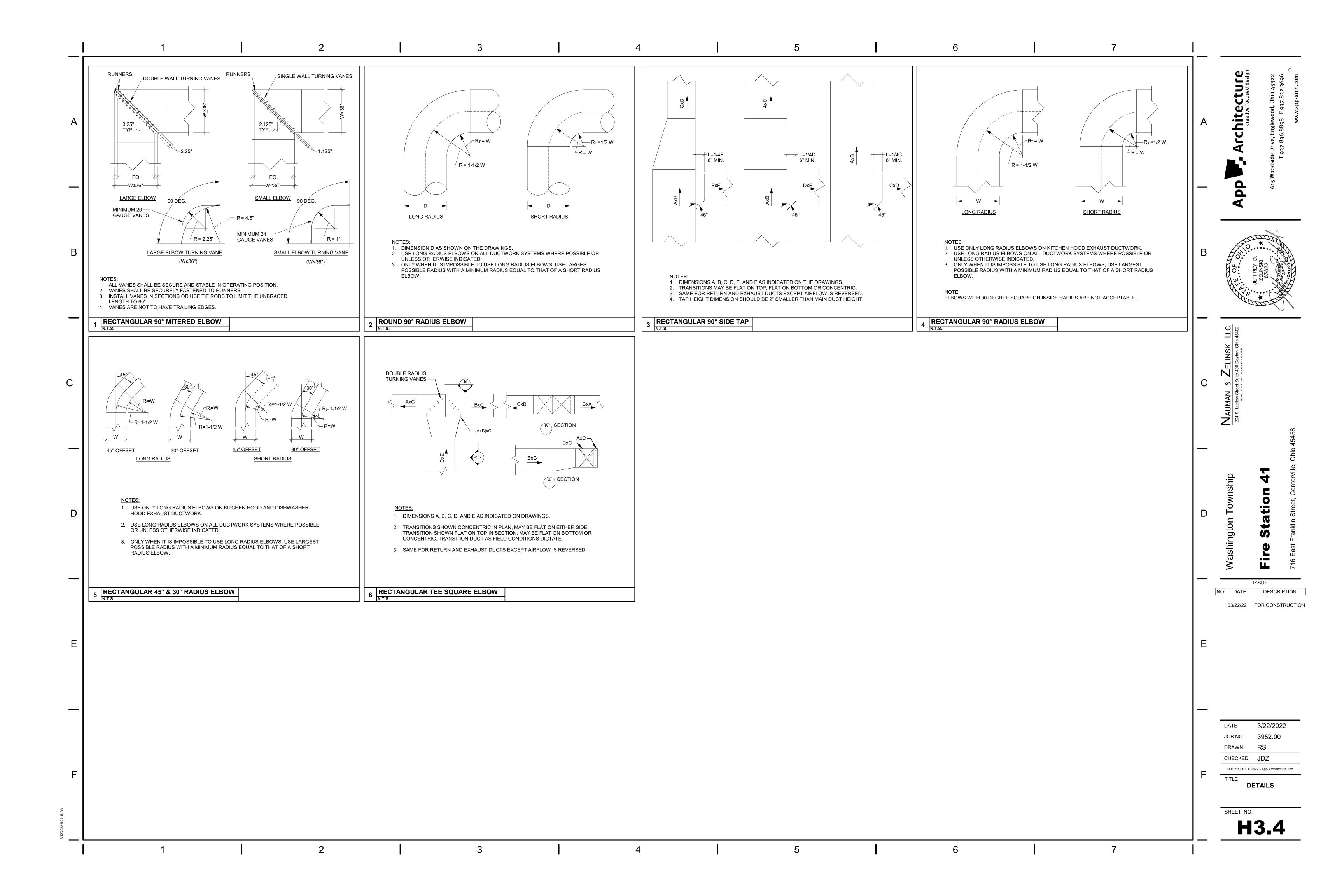




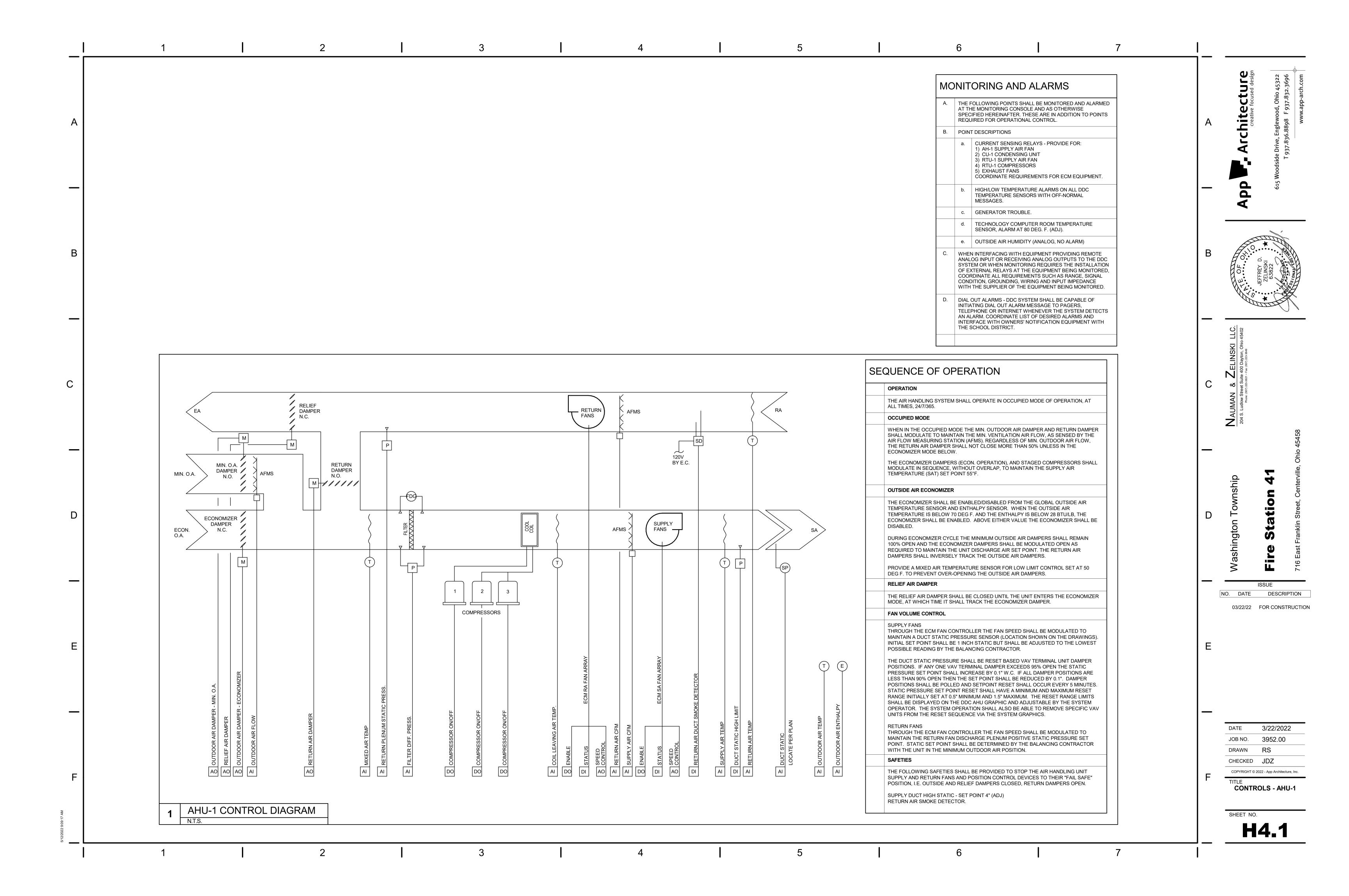


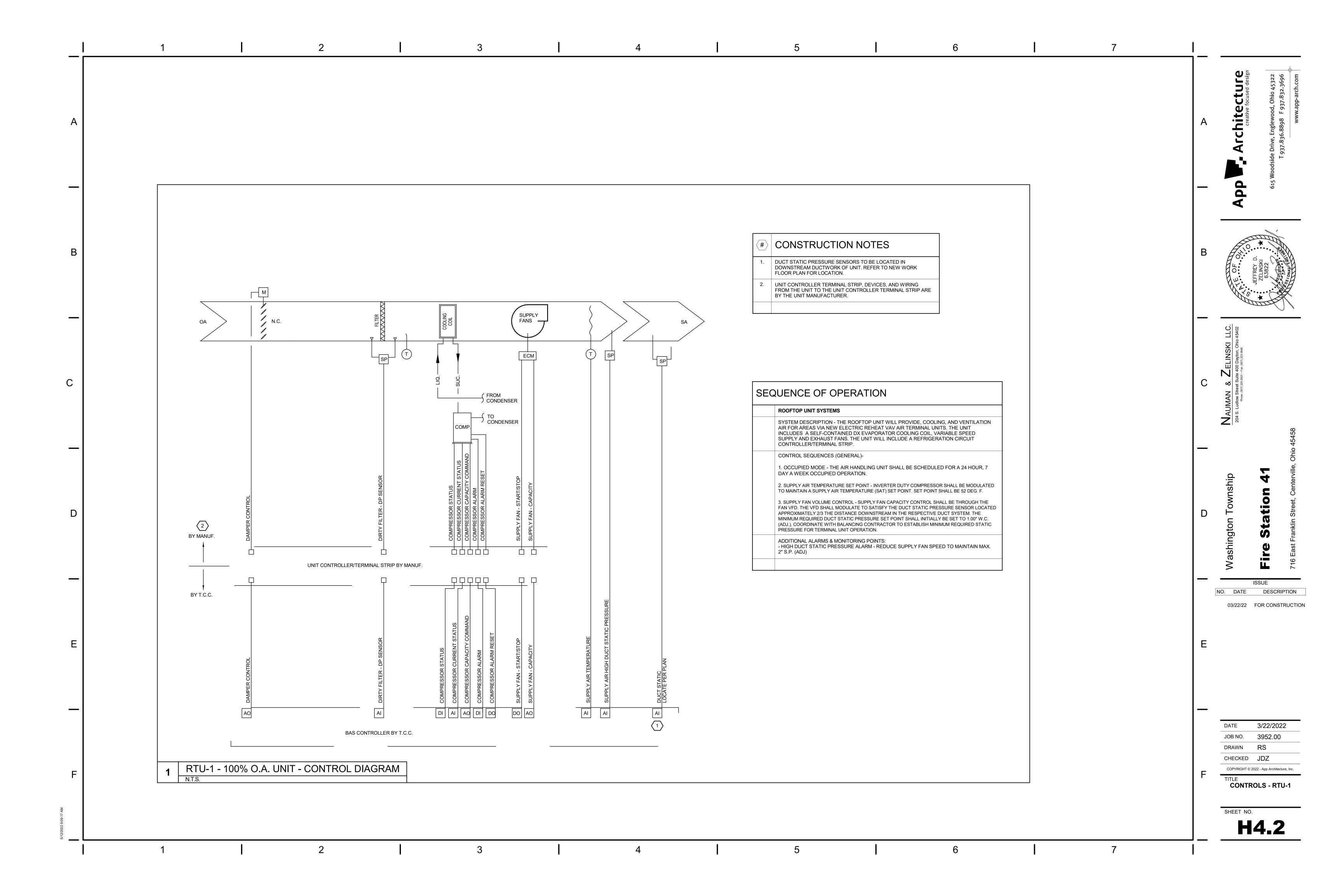


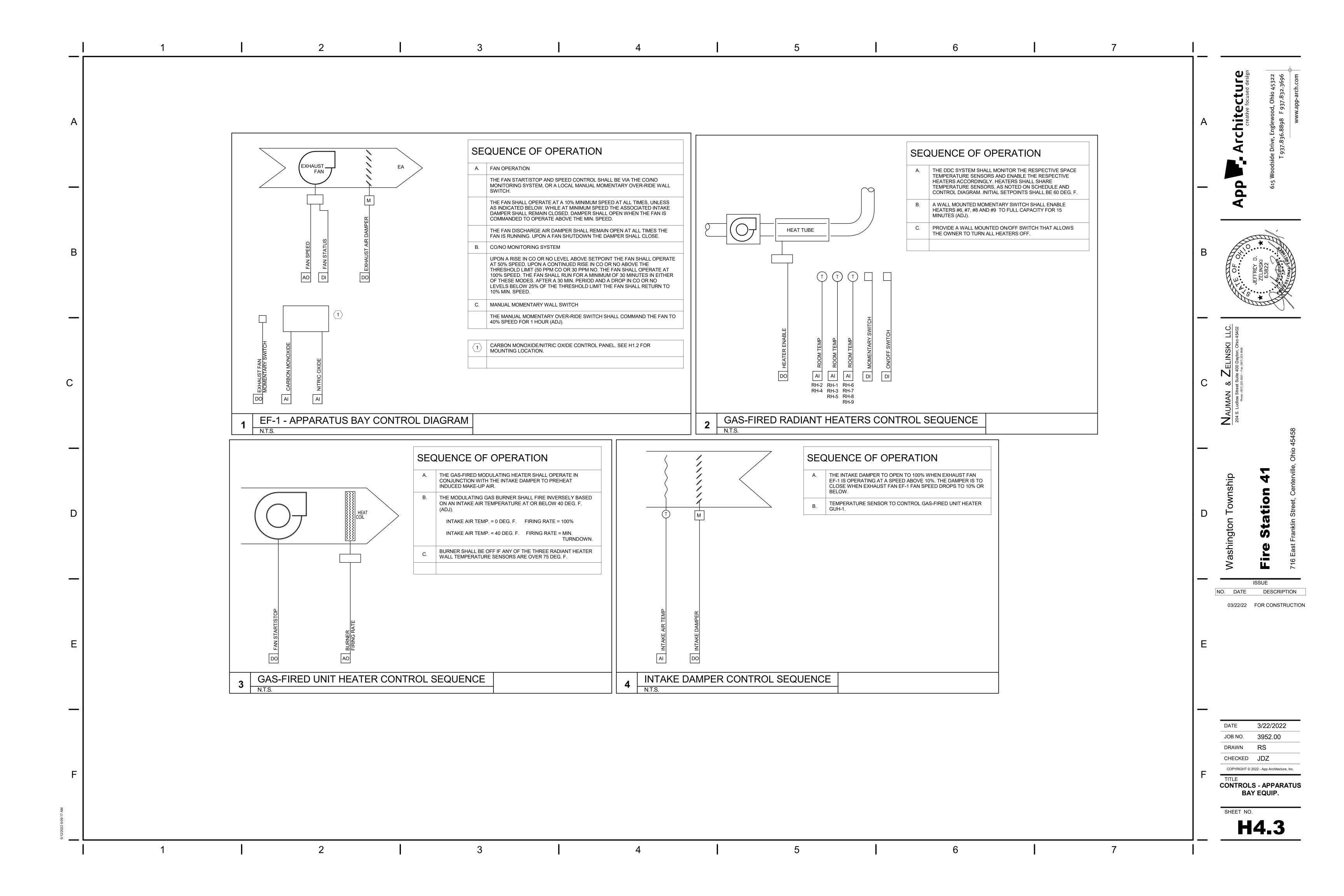


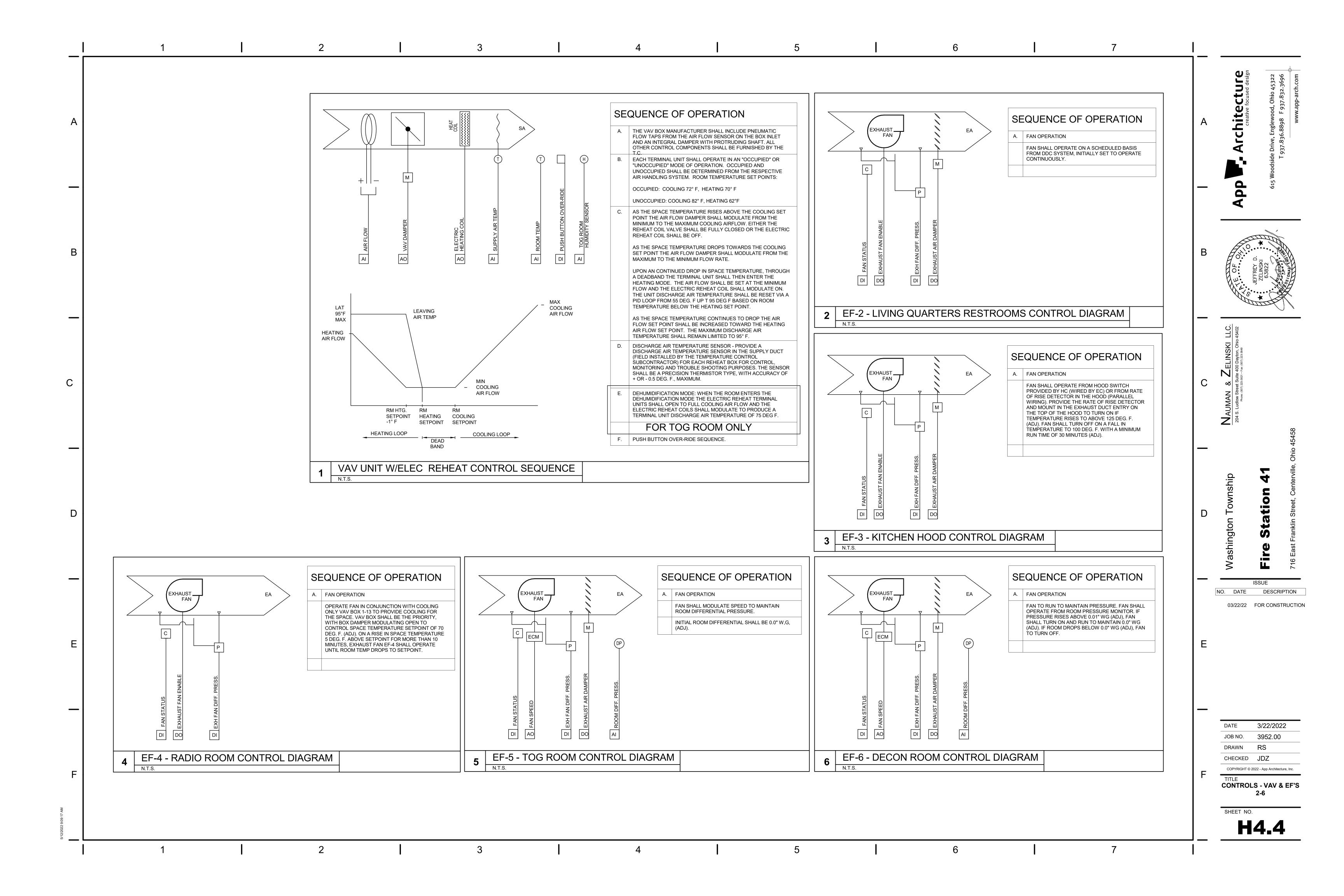


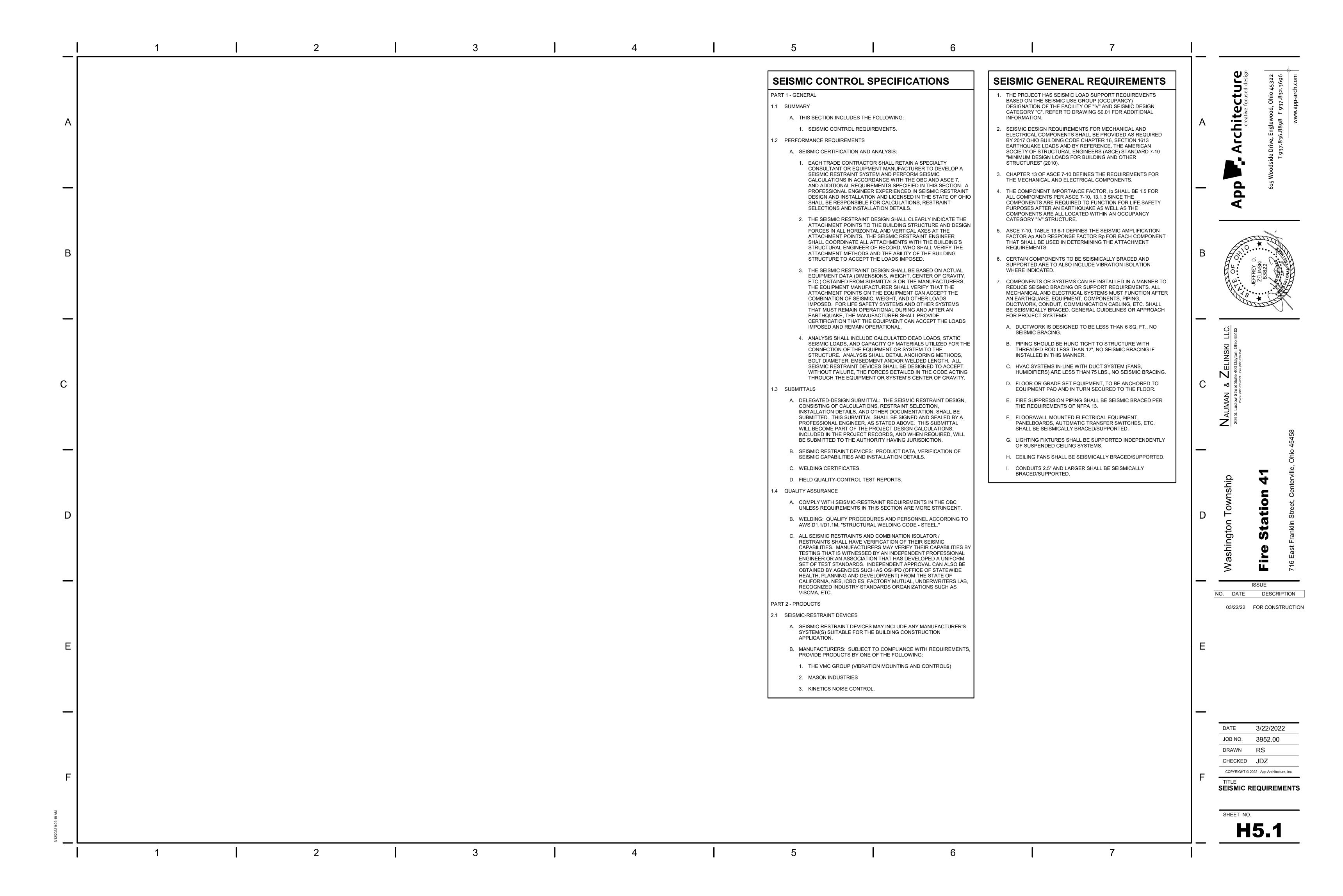
	ASSURANCE	HEDULE			CONSTRUCTIO	N AND SEAL	LING				DUCT INSULATION SCHEDULE QUALITY ASSURANCE						
PRODUC - INDOC	TS SHALL COMPLY WITH ASTM E DRS - FLAME SPREAD RATING OF	25 OR LESS, SMOKE DEVI		QUALITY ASSURANCE COMPLY WITH GENERAL WELDING PERSONNEL & PROCEDURES UNDER AWS D1.1/D1.1M, AWS D1.2/D1.2M & AWS D9.1/D9.1M. COMPLY WITH GENERAL DUCT CONSTRUCTION STANDARDS UNDER SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - THIRD EDITION AND MOST CURRENT VERSION OF APPLICABLE ASHRAE 90.1 SECTION 6.4.4 AND ASHRAE 62.1							QUALITY ASSURANCE INSULATION SHALL MEET NFPA 255, 25 FLAME SPREAD & 50 SMOKE DEVELOPMENT, UL 181, NFPA 90A/90B, ASTM 1136, AND ASTM E84.						
	OURS - FLAME SPREAD RATING (VELOPED RATING OF 150 OR LESS.	SECTIONS 5 & 7. • COMPLY WITH SEISMIC REQUIREMENTS PRESCRIBED UNDER SMACNA DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE							MINIMUM INSULATION THICKNESS SHALL COMPLY WITH ASHRAE 90.1-2010.						
THICKNE	SSES SHALL COMPLY WITH MOS	T CURRENT VERSION OF	ASHRAE 90.1.	PRODUCTS ROUND SINGLE WALL DUCTWORK - 2" S.P. AND HIGHER							PRODUCTS - PROTECTIVE METAL JACKET COVERS - 0.016" ALUMINUM.						
PRODUC REQUIRE	<u>TS</u> EMENTS ARE FOR BOTH SUPPLY (& RETURN SYSTEMS.		ROUND SINGLE WALL DUCTWORK - 2" S.P. AND HIGHER CONTINUOUS HELICAL (SPIRAL) LOCK SEAM CONSTRUCTION. SLIP CONNECTIONS; GASKETED FLANGES ARE NOT ACCEPTABLE. USE 45 DEG. LATERAL TEES WHEREVER POSSIBLE.							EXECUTION - INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.						
	CTURERS: ASS - JOHNS MANVILLE, OWENS	CORNING KNALIF MANSO	N INSULATION	90 DEG.DIE STA	B LEGS SHALL BE CONICAL SPIN-II AMPED ELBOWS, r/D = 1.5 (MIN.) SED, ANGLED (15° MAX.) OR MITER	N TYPE.					- INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. - DUCTWORK SHALL BE SEALED PRIOR TO INSTALLATION OF INSULATION.						
CALCIUM FLEXIBLE	I SILICATE - PABCO, CALSILITE, JO E ELASTOMERIC - AEROFLEX, ARI	OHNS MANVILLE (IIG)		CONCE ECCENT	ENTRIC TRANSITIONS, 0 = 45° MAX. ITRIC TRANSITIONS, 0 = 30° MAX. E WALL DUCTWORK - 2" S.P. AND H		XCEPT·)				- ALL EXTERIOR DUCT INSULATION SHALL BE SEALED WATERTIGHT.						
POLYISO EXECUTI	CYANURATE - ITW			INSULAPERFOR	ATION THICKNESS PER INSULATION PRATED INNER LINER/SOLID INNER PRESSURE SHELL.	N SCHEDULE FOR INTENDE					- REINSULATE DUCTWORK WHERE EXISTING INSULATION IS DAMAGED IN CONNECTION OF NEW DUCTWORK. - ALL INSULATION VAPOR BARRIERS SHALL BE MAINTAINED.						
INSTALL	ATION PER MANUFACTURER'S RE			ROUND DUCTWO LONGIT	ORK - 1" S.P. OR LESS (SAME AS A TUDINAL SEALED SEAM CONSTRU		IAL AIR DEVICE ONLY.				- ALL INSULATION VAPOR BARRIERS SHALL BE MAINTAINED. - ADHESIVE SHALL BE APPLIED TO AID INSTALLATION.						
	DEVICES AND PUMP CASINGS.	OR BARRIER/JACKET TO	BE CONTINUOUS THRU FLOOR AND WALL SLEEVES AT	 STANDARD TEES ALLOWED. SEGMENTED ELBOWS ALLOWED. RECTANGULAR DUCTWORK - 2" S.P. AND HIGHER FLAT SLIP, STANDING DRIVE OR GASKETED FLANGE DUCT SYSTEM CONNECTIONS. RADIUS OR SQUARE THROAT WITH DOUBLE WALL TURNING VANES ELBOW. 45 DEG. ENTRY OR CONICAL SPIN-IN BRANCH CONNECTIONS. RADIUSED, ANGLED (15° MAX.) OR MITERED (15° MAX.) OFFSETS. 							- REQUIRED INTERNAL DUCT LINING IS INDICATED ON DRAWINGS. LINED DUCTWORK NEED NOT BE FURTHER INSULATED.						
			IGERS AND SUPPORTS ON HORIZONTAL PIPING. LATE SUPPORT AND OTHER SURFACES WITH FLEXIBLE								- DUCT COILS, REHEAT BOX COILS, CONTROL DAMPER, FIRE DAMPERS & SMOKE DAMPERS SHALL BE INSULATED IF						
	CELL INSULATION, SAME THICKN		ON ON COLD SERVICE PIPES TO PREVENT	CONCEI ECCENT	ENTRIC TRANSITIONS, 0 = 45° MAX. ITRIC TRANSITIONS, 0 = 30° MAX. CH DUCTS SHALL BE CONICAL TEE						SYSTEM INSULATION IS INDICATED. - ALL INSULATION SHALL BE MARKED WITH MANUFACTURER, "R" VALUE, FLAME SPREAD & SMOKE DEVELOPMENT.						
	S PIPE INSULATION THAT IS DAMA ED PER SCHEDULE FOR THE SYS		PRESENT WITHIN THE CONSTRUCTION AREA SHALL BE	SQUARE THROAT, RADIUS HEEL 90° ELBOWS ARE NOT PERMITTED. RECTANGULAR DUCTWORK - 1" S.P. OR LESS. SAME AS ABOVE EXCEPT: TURNING VANES IN ELBOWS NOT REQUIRED FOR AIR VELOCITIES LESS THAN 800 FPM.													
INSULAT	ION MAY BE OMITTED ON HOT WA	ATER VALVES AND DEVICE	S 2" AND SMALLER PIPE SIZE (EXCEPT WITHIN 12" OF AIR	STRAIGHT TAP AND STANDARD SPIN-IN BRANCH CONNECTIONS PERMITTED. FLEXIBLE DUCTWORK - SUPPLY/RETURN/TRANSFER/EXHAUST PROVIDE MANUFACTURED DUCT SUPPORTS AT 90 DEGREE ELBOWS TO CEILING AIR DEVICES.							SYSTEM INSULATI	ON THICKNESS	TYPE LOCATION	NOTES			
	BOXES), HOT WATER PIPING WIT ALVE PIPING. SEE HEATING COIL		SED COOLING COIL CONDENSATE PIPING AND SAFETY	 FLAME SPREAD LESS THAN 25, SMOKE DEVELOPMENT LESS THAN 50. DUCT SEALANT & GASKETS GALVANIZED DUCT SEALANT - WATER BASED SYNTHETIC LATEX EMULSION, GRAY IN COLOR. 							SUPPLY AIR DUCT	1.5"	1 CONCEALED				
	CVCTEM 9 CIZE	INSULATION THICKNESS	TYPE LOCATION	FLANGEALUMIN	E GASKETS - BUTYL RUBBER, NEC NUM DUCT SEALANT - ALUMINUM S OATED DUCT SEALANT - PVS SEAL	PRENE, OR EPDM POLYME SILICONE, GRAY IN COLOR.	ER W/ POLYISOBUTYLENI	PLASTICIZER	t.		SUPPLY AIR DUCT OUTDOOR AIR DUCT & PLENUMS	1.5"	2 EXPOSED 1 CONCEALED				
	REFRIGERANT LIQUID	0.75" E1, E2 INTERIOR/EXTERIOR			DUCT HANGER SUPPORTS • DUCT HANGER SUPPORTS SHALL DIRECTLY ATTACH TO DUCTWORK. • EXTERIOR DUCT INSULATION WRAP SHALL BE APPLIED OVER DUCT AND HANGER SUPPORTS.						OUTDOOR AIR DUCT & PLENUMS OUTDOOR AIR DUCT & PLENUMS	2"	2 EXPOSED				
	REFRIGERANT HOT GAS	0.75"	E1, E2 INTERIOR/EXTERIOR	ANGLE OR UNISTRUT SUPPORTS SHALL BE INSULATED A MINIMUM OF 4" BEYOND DUCT BEARING POINT TO PREVENT CONDENSATION. EXECUTION.							RETURN AIR DUCT	-	- CONCEALED				
F	REFRIGERANT SUCTION	0.75"	E1, E2 INTERIOR/EXTERIOR	AVOID (NGS INDICATE GENERAL LOCATIC CONFLICT. PROVIDE OFFSETS AS	REQUIRED.				ES TO	RETURN AIR DUCT	-	- EXPOSED				
	SINGLE WALL FLUE	1.5"	F3 INTERIOR	FOR EXPROTEG	DUCTWORK FROM STRUCTURAL C KPOSED DUCTWORK, GRIND WELD CT DUCTWORK DURING CONSTRU	OS SMOOTH AND POLISH AND CLEAN PRIOR	ND TRIM SEALANTS FLUS TO SYSTEM OPERATION	SH WITH DUCT	SURFACES.		RELIEF AIR DUCT & PLENUMS RELIEF AIR DUCT & PLENUMS	-	- CONCEALED - EXPOSED				
TYPE	OLING COIL CONDENSATE BASIS OF DESIGN	0.5" APPROVED EQUALS	F1, F2, F3 INTERIOR DESCRIPTION	PER NE • SEAL DI	E DUCTWORK TO AVOID PASSING T EC REQUIREMENTS. DUCTS ACCORDING TO SMACNA SI	EAL CLASS NOTED IN SCHE	EDULE.				EXHAUST AIR DUCT & PLENUMS	-	- CONCEALED				
	BAGIO OF BEGION	AT ROVED EQUALS	* FLEXIBLE, PRE-FORMED, CLOSED CELL, EPDM		MS OPERATING AT 3" S.P. OR HIGH UCT SYSTEMS SHALL BE PITCHED POINT.						EXHAUST AIR DUCT & PLENUMS	-	- EXPOSED		C '		
E1	AEROFLEX #AEROCEL EPDM	- ARMACELL - RUBATEX	ELASTOMERIC TUBULAR INSULATION, OR SHEET INSULATION. * K=0.25 @ 75 DEG. F.	DUCTWORK S	SYSTEM SCHEDULE						DISHWASHER EXHAUST DUCT	-	-				
			* CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING. * FLEXIBLE, PRE-FORMED, CLOSED CELL, ELASTOMERIC	DU	UCTWORK SYSTEM	LOCATION	MATERIAL	SMACNA S.P. CONSTR.	SEAL CLASS	NOTES	KITCHEN HOOD EXHAUST DUCT	1.5"	3 INTERIOR	1	2		
			TUBULAR INSULATION. * CLEAN PIPE SURFACE WITH DENATURED ALCOHOL PRIOR TO INSULATING. * K=0.25 @ 75 DEG. F. * 25/50 FLAME/SMOKE RATING. * PROVIDE 0.20" ROLL ALLOY ALUMINUM EMBOSSED JACKET SEAM SIDE DOWN WITH 0.50" WIDE, 0.015" S.S. STRAP AND SEALS EQUAL TO PABCO-CHILDERS METALS/GERRARD.		RETURN AIR	CONCEALED	G1	-2"	С		TYPE BASIS OF DESIGN APPRO	VED EQUALS	DESCRIPTION MATERIAL FIBERGLASS DUCT WRAP ON DUCT				
E2	ARMACELL #AP ARMAFLEX FS	- AEROFLEX - RUBATEX		OUTDO	RETURN AIR EXPOSED OUTDOOR RELIEF/EXHAUST AIR ALL		G1, G2	-2"	С	2 OWENS CORNING		KNAUF	K = 0.30 @ 75 DEG. F. DENSITY - 0.75 PCF		-		
					JTDOOR SUPPLY AIR	ALL	G1	-2" 4"	A		1 OWENS-CORNING	JM TAIN TEED	JACKET - FOIL REINFORCED JOINTS - OVERLAPPING STAPLE ALL JOINTS AT				
			REFORMED, TUBULAR, INORGANIC GLASS FIBER WITH		EXHAUST AIR	CONCEALED	G1	-2"	С				FASTENERS - MECHANICAL ON 24" & WIDER DU ADHESIVE - NONE TAPE - 3" WIDE				
	OWENS CORNING #ALL SERVICE JACKET	- KNAUF #1000° PIPE, - JOHNS MANVILLE #MICRO-LOK HP	RESIN BONDING. * K=0.24 @ 100 DEG. F. * 3.5 - 5.5 PCF.	EXHAUST AIR		EXPOSED	G1, G2	-2"	С	2			MATERIAL FIBERGLASS BOARD ON DUCT K = 0.23 @ 75 DEG. F. DENSITY - 3.0 PCF JACKET - ASJ JOINTS - BUTT FASTENERS - METAL PINS & CLIPS ON 12" CENTERS ADHESIVE - NONE				
F1			* WHITE FSRK JACKET. * LONGITUDINAL LAP, SELF-SEALING ADHESIVE.		AIR TRANSFER ALL SUPPLY AIR - VAV UPSTREAM CONCEALED SUPPLY AIR - VAV UPSTREAM EXPOSED		G1	-1"	NOT REQ'D		ovens-corning	KNAUF JM					
			* ELBOWS, TEES, VALVES, CAPS, ETC., WHITE ONE PIECE, PREMOLDED 25/50 0.20" PVC FITTING COVERS WITH HIGH DENSITY FIBERGLASS INSULATION INSERTS SAME				G1, G2	+4"	Α		TYPE 703 CER	TAIN TEED					
			* HIGH DENSITY, FIBERGLASS INSULATION WITH ORGANIC	SUPPLY AIR - VAV DOWNSTREAM CONCEALED G1 +1" C				TAPE - 3" WIDE VAPOR PATCHED									
F2	OWENS CORNING	-	BINDER AND SYNTHETIC WICKING MATERIAL. * K=0.24 @ 100 DEG. F. * WHITE, RESILIENT POLYMER FACING EQUAL TO PVC	SUPPLY	SUPPLY AIR - VAV DOWNSTREAM EXPOSED		G1, G2	+1"	С	2			HIGH TEMPERATURE FIBROUS BLANKET FIBERORIES REINFORCED ALUMINIZED POLYESTER FOIL.	GLASS			
	#VAPORWICK		JACKETING. * AUXILIARY WICK MATERIAL FOR FITTINGS, ELBOWS, TEES,	FLEXIBL	LE DUCTWORK - SUPPLY	CONCEALED OR UNCONDITIONED	C1	+10" -5"	N.A.		3M 3 FIRE BARRIER U	INIFRAX	DENSITY - 6.0 PCF CONTINUOUS USE LIMIT = 1000 DEG. C. R-VALUE - 6.3 @ 77 DEG. F.				
			* HIGH DENSITY, RESIN BONDED INORGANIC GLASS FIBERS,		LE DUCTWORK - RET/EXH./TRANSFER CONCEALED C2 +10" N.A. DUCT WRAP 615 SMOKE DEVELOPE INDEX - 0 FLAME SPREAD INDEX - 0												
F3	OWENS CORNING #PIPE SHIELD FIBERGLASS	- KNAUF #1000° PIPE, - JOHNS MANVILLE	850 DEG. F. RATED OPERATING TEMPERATURE. * PREFORMED TUBULAR. * K=0.54 @ 500 DEG. F.		CHEN HOOD EXHAUST CHEN HOOD EXHAUST	CONCEALED	SS1 SS2	-2" -2"	С	1			S.S. BANDING MATERIAL		NO.		
	PIPE INSULATION	#MICRO-LOK HP	* LONGITUDINAL WRAP, SELF-SEALING ADHESIVE. * WHITE POLYMER JACKET, 225 DEG. F. RATING.		COMBUSTION AIR AL EXHAUST FLUE AL		P1	-2"	A	'	<u>NOTES:</u> 1. PROVIDE TWO LAYERS OF FIRE BARRIER WRAF	ON ALL INTERI	OR KITCHEN HOOD GREASE DUCT.				
							P1	+4"	А								
				DUCTWORK M	MATERIALS SCHEDULE		•								l _F		
				ТҮРЕ	MATERIAL	DESCRIPTION BLACK INNER FAI	BRIC WITH GALVANIZ	ED STEEL H	FLIX						-		
				C1	CHLORINATED POLYETHYLENE	REINFORICING, R REINFORCED ME CLASS 1 DUCT, M	R = 6.0 (MIN.) FIBERGL TALIZED VAPOR BAR IEET NFPA 90A & 90B	ASS INSULA RIER, 0.05 P , 25/50 FLAM	TION, ERM, UL 18 E/SMOKE S	,							
				C2	CHLORINATED POLYETHYLENE	REINFORCING, R REINFORCED ME	BRIC WITH GALVANIZ = 4.2 (MIN.) FIBERGL TALIZED VAPOR BAR IEET NFPA 90A & 90B	ASS INSULA [*] RIER, 0.05 P	TION, ERM, UL 18 [:]	1,							
				G1	GALVANIZED STEEL		DIPPED, GALVANIZEI	D BOTH SIDE	ES, G90 PER	ASTM					_		
				G2	GALVANIZED STEEL	PER ASTM A653, I	DIPPED, HEAT TREAT PAINT UNIFORM GRA								<u> </u>		
				P1	CHLORINATED		VC PIPE PER ASTM F		T END FITTI	NGS PER]		
				SS1	POLYVINYL CHLORIDE STAINLESS STEEL	TYPE 304 STAINLI	ESS STEEL SHEET, 1	8 GA. MIN A									
						TYPE 304 STAINLI	WELDED. CONDITION ESS STEEL SHEET, 1	8 GA. MIN A	ASTM A480.						F -		
				SS2	STAINLESS STEEL		WELDED. CONDITION I FINISH WITH WELDS										
				NOTES:	<u> </u>	'		(DOODD 1110							_		
				1. DUCTWOR	RK SYSTEMS ARE TO MATCH	BASE MATERIALS FOR	CONCEALED AND E	(DOSFI) INIS	TALLATIONS	3.							





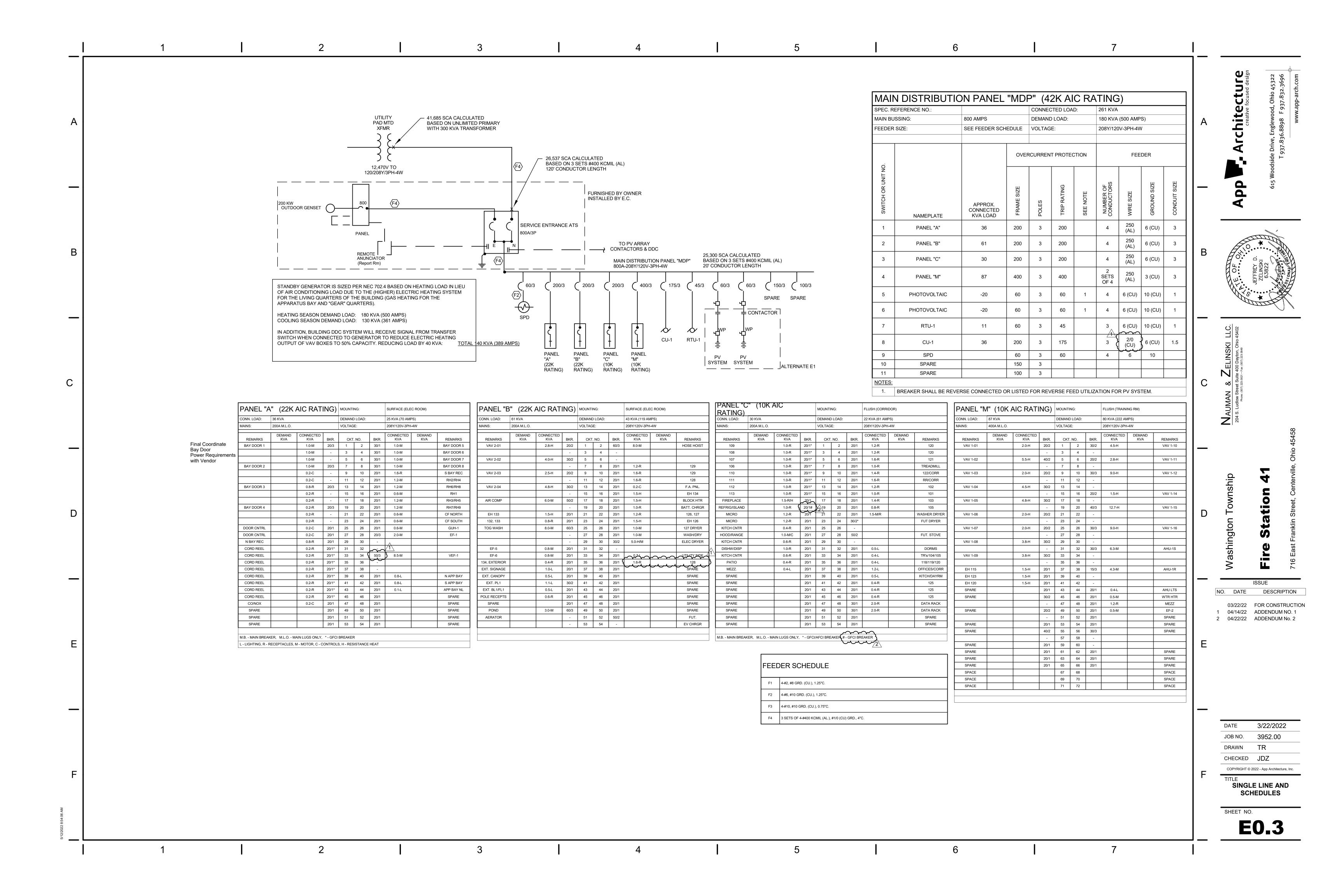


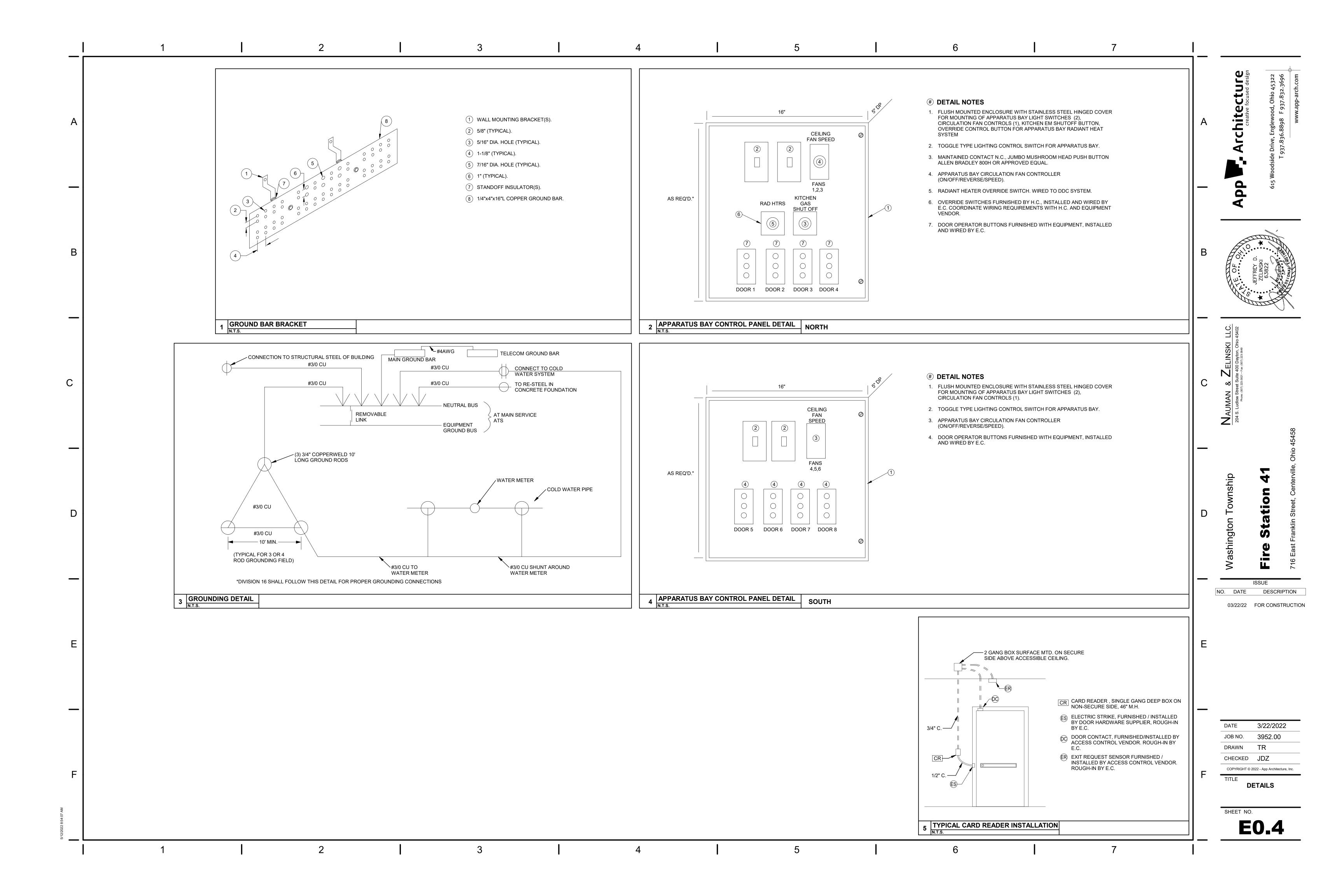


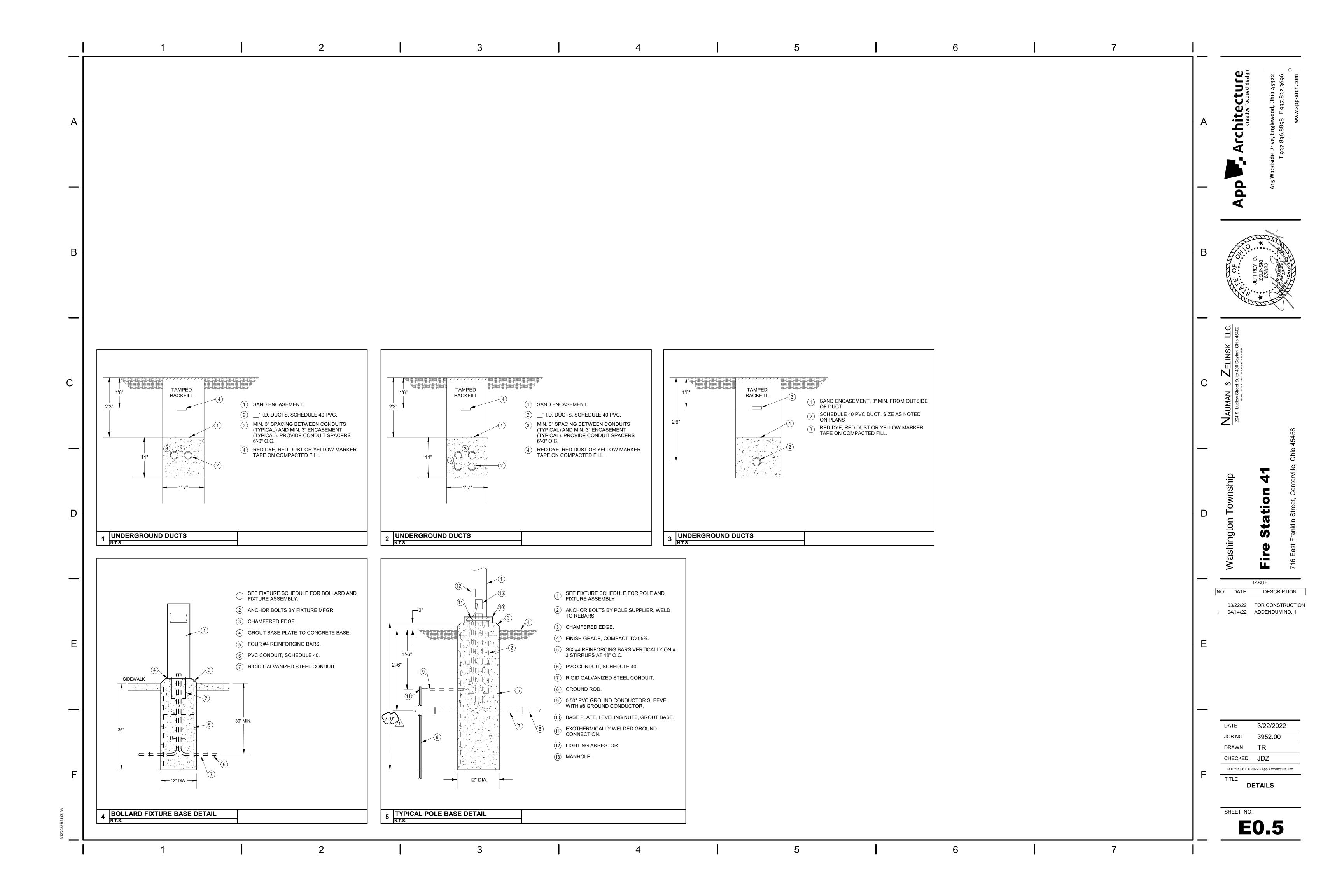


ELECTRICAL SPECIFICATIONS CONT	. ELECTRICAL SPECIFICATIONS	ELECTRICAL LEGE	END CONT.	ELECTR	RICAL LEGEND	GENERAL NOTES	T
AA. ALL OPEN CABLING SHALL BE PLENUM RATED AND INSTALLED ON J-HOOK SYSTEM ABOVE ACCESSIBLE CEILINGS. COORDINATE LOCATIONS AND TYPE/SIZE WITH THE SYSTEMS VENDOR FOR	A. ALL ELECTRICAL WIRING, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE 2017 OHIO BUILDING CODE, 2017 NATIONAL ELECTRIC CODE AND LOCAL CODES, LATEST ADOPTED EDITIONS.	EMERGENCY SWITCH	OR UL 924 RELAY TO TURN CHLEG LIGHTS 'ON' AND BYPASS OF NORMAL POWER. DIMMED	$\begin{array}{c c} & & & \\ \hline & & & \\ \hline & & & \\ \hline \end{array}$	ELECTRICAL CONNECTION REQUIRED. EXIT LIGHTING FIXTURE. ARROWS AS INDICATED.	A. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 OHIO BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS, ALL LOCAL AND STATE CODES AND MEET	CtC
OPTIMUM CABLE ROUTING. BB. DISCONNECT SWITCHES SHALL BE HEAVY DUTY; FUSIBLE TYPE TO UTILIZE 'RK1' FUSES.	B. ALL ELECTRICAL EQUIPMENT SHALL BE U.L. APPROVED AND COMMERCIAL GRADE. PANELBOARDS, CIRCUIT BREAKERS AND DISCONNECTS BY SQUARE D. SIEMENS, CUTLER-HAMMER OR G.E		JRES TO BYPASS DIMMER E DIMMED FIXTURES TO FULL	H1 B1 O	LIGHTING FIXTURE: CAPITAL LETTER DENOTES FIXTURES TYPE. LOWER CASE LETTER DENOTES SWITCHING	APPROVAL OF AUTHORITIES HAVING JURISDICTION. B. BIDDERS SHALL INSPECT PROJECT SITE EXISTING CONDITIONS DURING BIDDING.	S A Creative
CC. LIGHTING CONTROL OCCUPANCY SENSORS SHALL BE BY HUBBELL, LEVITON, COOPER CONTROLS OR SENSOR SWITCH.	C. SUBMIT ELECTRONIC SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING FOR THE FOLLOWING	□ DISCONNECT SWITC	ЭН	H1 B1	ARRANGEMENT. LIGHTING FIXTURE WITH INTEGRAL BATTERY	C. INCLUDE PAYMENT OF ALL PERMIT AND INSPECTION FEES AND OBTAIN AN ELECTRICAL PERMIT AND SECURE INSPECTION AND	
CEILING MOUNTED SENSORS SHALL BE LOW PROFILE, "DOME" TYPE SENSORS. DD. EQUIPMENT, DUCTWORK AND PIPING SHALL NOT BE INSTALLED	EQUIPMENT: LIGHT FIXTURES, PANELBOARD(S), CIRCUIT BREAKER(S) AND WIRING DEVICES. D. ALL POWER AND SYSTEMS WIRING SHALL BE INSTALLED IN	COMBINATION MOTO SWITCH.	TOR STARTER AND DISCONNECT	A-1&2	BACKUP. EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; CAPITAL LETTER DENOTES PANEL;	D. SUBMIT AN ELECTRONIC COPY OF SUBMITTAL DATA AND DESCRIPTIVE LITERATURE IN .PDF FORMAT FOR ALL FIXTURES	
IN THE DEDICATED ELECTRICAL SPACE ABOVE OR IN THE WORKING SPACE REQUIRED AROUND ELECTRICAL SWITCHGEAR, MOTOR CONTROL CENTERS OR PANELBOARDS AS IDENTIFIED BY	CONDUIT RACEWAYS UNLESS OTHERWISE SPECIFICALLY NOTED. E. STAGGER LOCATIONS OF RECESSED OUTLETS WHERE SHOWN	ELECTRIC MOTOR. UNIT HEATER.			NUMBER DENOTES CIRCUIT. WIRE & CONDUIT IN WALL OR ABOVE CEILING	AND EQUIPMENT. E. WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND	
NEC 110.26 SPACES ABOUT ELECTRICAL EQUIPMENT – 600 VOLTS NOMINAL OR LESS. FOR EQUIPMENT RATED OVER 600 VOLTS NOMINAL – 110.32 WORK SPACE ABOUT EQUIPMENT – 110.33	ON OPPOSITE SIDES OF STUD WALL PARTITIONS TO PREVENT SOUND TRANSMISSION BETWEEN ROOMS.	FAN COIL UNIT.			WIRE & CONDUIT UNDERGROUND	F. COORDINATE INSTALLATION WITH OTHER TRADES; PROVIDE	
ENTRANCE AND ACCESS TO WORK SPACE – 110.34 WORK SPACE AND GROUNDING. THE ELECTRICAL CONTRACTOR SHALL CAUTION OTHER TRADES TO COMPLY WITH THIS STIPULATION.	F. DRAWINGS ARE SCHEMATIC IN NATURE TO REPRESENT REQUIRED EQUIPMENT/DEVICES AND ASSOCIATED POWER/CIRCUITRY. DRAWINGS SHALL NOT BE SCALED FOR DEVICE LOCATIONS. THE E.C. SHALL COORDINATE THE FINAL		PANEL, FLUSH MOUNTED. PANEL, SURFACE MOUNTED.		JUNCTION BOX. 20A-125V SINGLE RECEPTACLE, NEMA 5-20R	OFFSETS AS REQUIRED. G. INSTALL ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.	
EE. PROVIDE ONE YEAR COMPLETE WARRANTY (PARTS, MATERIALS, LABOR). START OF WARRANTY FROM DATE OF BENEFICIAL OCCUPANCY AGREED TO IN WRITING.	LOCATIONS OF ALL FLUSH MOUNTED DEVICES (INCLUDING FIRE ALARM AND TECHNOLOGY ROUGH-IN BOXES) WITH CASEWORK, FIXED FURNITURE, ETC. TO AVOID CONFLICTS AND VIEWING	POWER PANEL OR S MOUNTED.	SWITCHBOARD, SURFACE	Φ	(18" M.H.). 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R	H. COORDINATE EACH ROUGH-IN INSTALLATION REQUIREMENTS AND LOCATIONS WITH OTHER TRADES, ACTUAL EQUIPMENT O	DR S
	OBSTRUCTIONS. RECEPTACLES ASSOCIATED WITH/ADJACENT TO TECHNOLOGY OUTLET BOXES SHALL BE LOCATED AT THE SAME MOUNTING HEIGHT AND WITHIN 6" HORIZONTALLY UNLESS	EB ELECTRIC BASEBOA		du —	(18" M.H.). 20A-125V DUPLEX RECEPTACLE WITH INTEGRAL USB CHARGING PORTS (8) NEMA 5-20R (18" M-H.)		B AND
	SPECIFICALLY NOTED OTHERWISE. G. THE ARCHITECT SHALL RESERVE THE RIGHT TO MAKE MINOR	WITH SINGLE GANG COVERPLATE. STU	M.H.). TWO GANG OUTLET BOX G TRIM RING AND BLANK JB AN EMPTY 0.75" BUSHED		CHARGING PORTS (2) NEMA 5-20R (18"M-H) (CHARGING PORTS SHALL BE TYPE A/C, MINIMUM) 25 WATT CAPACITY).	I. REFER TO ARCHITECTURAL DRAWING ELEVATIONS FOR MOUNTING LOCATION INFORMATION, ARRANGEMENT AND HEIGHT FOR ALL DEVICES AT FURNISHINGS, CASEWORK, ETC.	
	ADJUSTMENT IN LOCATIONS OF SYSTEM RUNS AND COMPONENTS WHERE THEY CONSIDER SUCH ADJUSTMENTS DESIRABLE IN THE INTEREST OF CONCEALING WORK OR PRESENTING A BETTER APPEARANCE WHERE EXPOSED. ANY	TELEPHONE OUTLE' BOX WITH BLANK CO	VE ACCESSIBLE CEILING. ET (46" M.H.). SINGLE GANG OUTLET COVERPLATE. STUB AN EMPTY 0.75"		SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN	J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. WHERE DISCREPANCIES MAY OCCUR BETWEEN THE ELECTRICAL	
	SUCH CHANGES SHALL BE ANTICIPATED AND REQUESTED SUFFICIENTLY IN ADVANCE SO AS TO NOT CAUSE EXTRA WORK, OR UNDULY DELAY THE WORK. COORDINATE WORK IN ADVANCE	BUSHED CONDUIT C	OUT ABOVE ACCESSIBLE CEILING. CESS POINT; CEILING MOUNTED.	│ 	20A-125V DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, (18" M.H.) TWO-GANG ASSEMBLY.	PLANS AND THE ARCHITECTURAL CEILING PLANS ON QUANTIT OF FIXTURES, THE ELECTRICAL PLANS SHALL TAKE PRECEDENCE. COORDINATE FIXTURE LOCATIONS WITH OTHER	1 1
	WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED. WHERE ANY SYSTEM RUNS AND COMPONENTS ARE SO PLACED AS TO CAUSE OR	FIRE ALARM HORN & WHEN SHOWN INDIC	& SIGNAL LIGHT (80" A.F.F.), # ICATES CANDELA RATING OF	₩ ₩	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, (46" M.H.) D = DOUBLE DUPLEX.	TRADES TO AVOID CONFLICTS WITH PIPING AND DUCTWORK. K. ALL EQUIPMENT AND MATERIAL REQUIRED FOR COMPLETE	O. 50 4 402 7. 604 405 605 605 605 605 605 605 605 605 605 6
	CONTRIBUTE TO A CONFLICT, IT SHALL BE READJUSTED AT THE EXPENSE OF THE CONTRACTOR CAUSING SUCH CONFLICT. THE ARCHITECT'S DECISION SHALL BE FINAL IN REGARD TO ARRANGEMENT OF EQUIPMENT, CONDUIT(S), DEVICES,	1 I	HIS NOT SHOWN THE STROBE 10 CANDELA. "C" SUBSCRIPT 1 MOUNTED DEVICE.	•	20A-125V SPLIT DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH (18" M.H.).	AND FUNCTIONAL ELECTRICAL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT.	SKI LI
	WIREWAYS ETC., WHERE CONFLICT ARISES. H. ALL WIRING SHALL UTILIZE MIN. #12 AWG SIZE COPPER	FIRE ALARM SIGNAL SHOWN INDICATES	LING LIGHT (80" A.F.F.), # WHEN CANDELA RATING OF STROBE.	⊕ ^{GF}	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.).	ELECTRICAL INDEX OF DRAWINGS	ELING
	THHN/THWN STRANDED CONDUCTORS WITH INSULATION SUITABLE FOR THE APPLICATION. CONDUCTORS FOR ELECTRIC RADIANT HEATERS SHALL BE LISTED FOR THE APPLICATION.	CEILING MOUNTED I	HOWN, THE STROBE SHALL BE LA. "C" SUBSCRIPT INDICATES DEVICE.	$\left\ \cdot \right\ _{\Phi}$	20A-125V TAMPERPROOF RECEPTACLE, NEMA 5-20R, (18" M.H.).	SHEET DRAWING TITLE E0.1 LEGEND	C Set Suite 4
	I. PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT AND SEPARATE GREEN COLORED INSULATED COPPER	F FIRE ALARM SENDING S CEILING MOUNTED S	NG STATION (46" M.H.). SMOKE DETECTOR.	⊕WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" M.H.), WITH HUBBELL #WP26M	E0.2 SCHEDULES E0.3 SINGLE LINE AND SCHEDULES	MAN Udlow Stre
	GROUNDING CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL WIRES FOR 120 VOLT CIRCUITS SHALL BE WHITE. J. ALL CONDUCTORS SHALL BE INSTALLED IN MIN. 0.75" SIZE	DUCT MOUNTED SM	COMBINATION SMOKE/CO ALARM. MOKE DETECTOR (S/SUPPLY,		CAST ALUMINUM "WHILE-IN-USE" COVER. 20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN	E0.4 DETAILS	N AU 204 S. L
	CONDUIT. EMT SHALL BE UTILIZED FOR INTERIOR FEEDERS AND BRANCH CIRCUITRY. MC CABLE SHALL ONLY BE ALLOWED FOR FINAL CONNECTION TO INDOOR LIGHT FIXTURES. LIQUID TIGHT	S/R R/RETURN). D ELECTRO-MAGNETIC	IC DOOR HOLDER.	20	HUBBELL BA-2436 FLUSH FLOOR BOX WITH SA-3825 COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.	E0.5 DETAILS	
	FLEXIBLE METAL CONDUIT SHALL BE USED FOR ALL OTHER FINAL CONNECTIONS TO MOVEABLE/VIBRATING EQUIPMENT. ALL EXTERIOR CONDUIT SHALL BE RIGID METAL CONDUIT.	NOTED) - 1-GANG BO	INA OUTLET 60" AFF (OR AS BOX WITH 0.75"C. TO ABOVE RG6 CABLE FROM BOX TO	₩ 20 30	20A-125V/250V-1PH-4W SINGLE RECEPTACLE, NEMA 14-20R, (18" M.H.). 30A-125V/250V-1PH-4W SINGLE RECEPTACLE, NEMA	E0.6 MSD&C SCHEDULE E0.7 TECHNOLOGY DETAILS	
	K. EMT CONDUIT FITTINGS SHALL BE ALL STEEL SETSCREW TYPE. L. ALL CONDUITS INSTALLED ON EXTERIOR OF BUILDING SHALL BE	I ((.R)	NTROL SYSTEM CARD READER - DETAIL 5 ON SHEET E0.4	⊕ _∭ 50	14-30R, (18" M.H.). 50A-125V/250V-1PH-4W SINGLE RECEPTACLE, NEMA	E1.1 SITE LIGHTING PLAN	<u>a</u>
	RIGID GALVANIZED TYPE WITH THREADED STEEL FITTINGS. UTILIZE COMPATIBLE NEMA 3R TYPE BOXES FOR ALL EXTERIOR FIXTURE AND OUTLET BOXES.	© CF CCTV CAMERA ROU BUILDING INTERIOR	JGH-IN BOX/ CONDUIT STUBB TO R. PROVIDE 1 DATA CABLE TO I.T.	•	14-50R (18" M.H.) SINGLE POLE WALL SWITCH (46" M.H.)	E2.1 FIRST FLOOR LIGHTING PLAN E2.2 MEZZANINE LIGHTING PLAN	Vnsh
	M. ALL EMPTY CONDUITS SHALL HAVE A NYLON PULLSTRING INSTALLED PER SPECIFICATIONS.	RACK. WATER FLOW SWITE	СН.	12	TWO POLE WALL SWITCH (46" M.H.). THREE-WAY WALL SWITCH (46" M.H.).	E3.1 FIRST FLOOR POWER PLAN	D E
	N. WIRING DEVICES SHALL BE SPECIFICATION GRADE, WHITE COLOR, WITH STAINLESS STEEL COVERPLATES, HUBBELL, P&S, COOPER OR LEVITON. PROVIDE TAMPER-RESISTANT	SUPERVISED VALVE A ELECTRIC DOOR OF	E. PERATOR, INCLUDING RELAYS,	†3 † 4	FOUR-WAY WALL SWITCH (46" M.H.).	E3.2 MEZZANINE POWER PLAN	gtor
	RECEPTACLES IN LOCATIONS AS REQUIRED BY NEC 406.12. O. ALL CONDUIT, FITTINGS, BENDS, ETC. SHALL BE PROPERLY	BE FURNISHED BY T	THES AND LIMIT SWITCHES SHALL THE DOOR EQUIPMENT SUPPLIER THE E.C. IN ACCORDANCE WITH	fos	LIGHTING OCCUPANCY SENSOR WALL SWITCH (46" M.H.)	E3.3 ROOF POWER PLAN E4.1 FIRST FLOOR SYSTEMS PLAN	ashir
	P. IDENTIFY PANEL AND CIRCUIT NUMBER ON ALL RECEPTACLE	SUPPLIER (120 VOLT	DIAGRAMS BY THE EQUIPMENT T SINGLE PHASE OPERATION). CONTROLS FURNISHED BY THE	↑ D	LIGHTING 0-10V LED DIMMER SWITCH WITH PRESET SLIDE CONTROL AND POWER ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE	E4.2 MEZZANINE SYSTEMS PLAN	
	COVERPLATES WITH PRINTED LABELS WITH BLACK LETTERS ON CLEAR ADHESIVE BACKGROUND. Q. PROVIDE TYPED PANEL DIRECTORIES INDICATING TYPE OF LOAD		SUPPLIER AND INSTALLED BY	¶3D	INDICATED. LIGHTING 0-10V LED DIMMER SWITCH WITH PRESET SLIDE CONTROL AND 3-WAY POWER ON-OFF	EL0.1 LOCUTION ELECTRICAL ROUGH-IN REQUIREMENTS EL1.0 LOCUTION SYSTEM PLAN	NO. DATE
	AND ROOM DESCRIPTION WITH ROOM NUMBER AND TYPE. UPDATE ALL EXISTING PANEL DIRECTORIES WITH NEW TYPED DIRECTORY CARDS WITH ALL CIRCUIT REVISIONS NOTED.	PUSH BUTTON (46" N 0.75" BUSHED COND CORRIDOR CEILIN	M.H.). SINGLE GANG BOX WITH DUIT TO ABOVE ACCESSIBLE , OR REFER TO NOTE ON PLAN. CEILING SPEAKER. WITH CABLING	7	DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED.	ES0.1 LEGEND, GENERAL NOTES AND SPECIFICATION	03/22/22 1 04/14/22
	R. ALL SPARE BREAKERS IN PANELBOARDS SHALL BE TURNED 'OFF'.	TO TV BOX.		T V	SPEAKER VOLUME CONTROL (46" M.H.)	ES0.2 EQUIPMENT SCHEDULES & SINGLE LINE DIAGRAM	2 04/22/22
	S. THE TOTAL LOAD (AMPERES) OF ANY BRANCH CIRCUIT SHALL NOT EXCEED 80% OF THE RATED AMPACITY OF THE CIRCUIT BREAKER FOR THAT CIRCUIT.	(46" M.H.). SINGLE G	PEAKER VOLUME CONTROLLER BANG BOX WITH 0.75" BUSHED E ACCESSIBLE CORRIDOR		0-10V LED COMBINATION VACANCY SENSOR AND	ES0.3 LABELS ES1.3 PANEL LAYOUT	
	T. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS TO AVOID INTERFERENCE WITH THE BUILDING COMPONENTS, EXISTING UTILITIES, EQUIPMENT, ETC.	SEIENTO.			DIMMER SWITCH WITH PRESET SLIDE CONTROL AND SEPARATE ON-OFF 'DECORATOR' STYLE SWITCH (46" M.H.) UNLESS OTHERWISE INDICATED, RATED MIN. 800 WATTS.		
	U. THE E.C. SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU RATED WALLS. ALL FIRESTOPPING ASSEMBLIES SHALL BE			† P	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" M.H.).	SEISMIC REQUIREMENTS	
	LISTED AND APPROVED FOR THE ASSEMBLY AND PENETRATION UTILIZED. V. IDENTIFY ALL BRANCH CIRCUITS AT ALL JUNCTION BOXES BY			Ťκ	KEY OPERATED WALL SWITCH (46" M.H.). HUBBELL # HBL 1221 RKL WITH #512RKL COVERPLATE.	THIS PROJECT HAS SEISMIC REQUIREMENTS. REFER TO DRAWING	
	NEATLY PRINTING PANEL AND CIRCUIT NUMBERS ON BOX COVERS WITH INDELIBLE MARKER.			↑ _D	LIGHTING DIMMER SWITCH WITH PRESET CONTROL (46" M.H.) 1000 WATT UNLESS OTHERWISE		DATE
	W. NEATLY LABEL BRANCH CIRCUIT NUMBERS ON EACH EXPOSED CONDUIT LEAVING PANELBOARDS WITH INDELIBLE MARKERS.				INDICATED. DIMMER TO MATCH TYPE OF LIGHTING LOAD. SWITCH WITH RECEPTACLE (46" M.H.) STANDARD		JOB NO.
	X. NEATLY LABEL PANEL AND BRANCH CIRCUIT NUMBERS ON EACH ACCESSIBLE OR EXPOSED CONDUIT ENTERING OR LEAVING ALL PULLBOXES AND JUNCTION BOXES WITH INDELIBLE MARKERS.			₽R	TWO-GANG ASSEMBLY OF SWITCH AND RECEPTACLE.		DRAWN CHECKED
	Y. LABEL ALL NORMAL POWER PANELBOARDS WITH PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH SOURCE OF FEEDER, SWITCH OR BREAKER NUMBER, VOLTAGE, PHASE,			₹M	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" M.H.).		COPYRIGHT © 2
	AND BRANCH. Z. LABEL ALL NORMAL POWER DISCONNECT SWITCHES WITH			ÎH	HP RATED WALL SWITCH (46" M.H.). OCCUPANCY SENSOR, CEILING MOUNTED.		LI
	PHENOLIC WHITE BACKGROUND AND BLACK LETTER PLATE WITH PANEL, CIRCUIT NUMBER, VOLTAGE, PHASE, FED FROM AND DESCRIPTION OF LOAD FED.			OS OR	OCCUPANCY SENSOR, CEILING MOUNTED. OCCUPANCY SENSOR CONTROL RELAY.		SHEET NO.

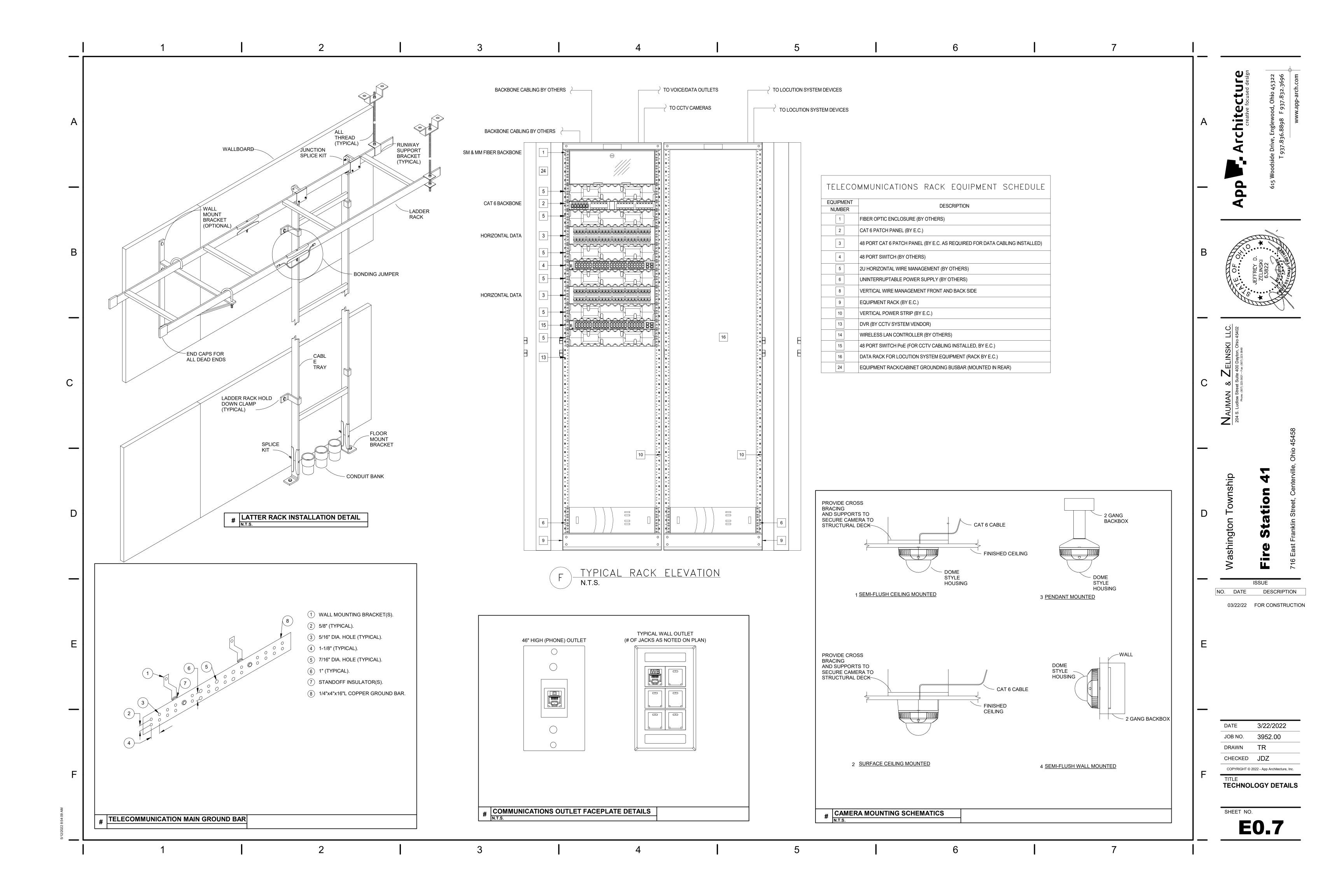
			LIGHTING FIX		TRIM COLOR MOUNTED SIZE							
			TYPE OB W	TURE	ol TAGE				S - SURFACE. R - RECESSED. SM - STEM MTD.			Ctur focused de
			URE SY	VOLTA	URE VC			SK MINUM NZE	WM - WALL MTD. C - CHAIN MTD. UC - UNDER CAB.	STH TH METER NOTES		ite reative f
			FIXT	S LUMENS/ COLOR TEMP 750 LUM/FT DN	MANUFACTURER & CATALOG NO.	OTHER ACCEPTABLE MANUFACTURES	DIFFUSING MEDIA	WHI BLAC ALUI BRO	CS - CLG. SURF.	WID LENG DEP DIAN SEE		ج ک
			A1 •	60 250LUM/FT UP 4000K	120 NULITE # RWI3-B-FF-DG-03-L4O-1C-U-W-8	ALW	FLAT DIFFUSE LENS	•	WM PARAMANA AMOOD	3 96 2		Α
			A2 •	22 2000 LOMENS/ 4000K	120 LUMENWERK #MIKR-HLO-LED-80-500-40-4'- 120-MIKR-1-DTL-W	PINNACLE	FLAT DIFFUSE LENS		R(DRYWALL/WOOD CLG)	1 48 2		
			B1 ●	30 3600 LUMENS/ 4000K	120 LITHONIA# CPX 2X2 AL07 SWW M4	COLUMBIA, DAYBRITE	MATTE WHITE LENS	•	R(GRID)	24 24 2	 _	
				400010								Ар
			C1 •	4000K	120 LITHONIA# CLX L48 5000LUM SEF FDL MVOL G210 40K	COLUMBIA, DAYBRITE .	FLAT DIFFUSE LENS	•	WM/S/SM	3 48 3		
			C2 •	80 10000 LUMENS/ 4000K	120 LITHONIA# CLX L96 100000LM SEF FDL MVOL G210 40K	COLUMBIA, DAYBRITE	FLAT DIFFUSE LENS	•		3 96 3		
			D1 •	30 2500 LUMENS/	120 FINELITE# S17-LED-ACF-PF-4'-H-840-120V-S0	C PRUDENTIAL 1	ANGLED WHITE PERF DIFFUSER		WM	5 48 4	_	
			D2 •	1200 LUMENS/	120 LITHONIA# FMVTSL-24IN-MVOLT-30K-90CRI-BN-M4	COLUMBIA, DAYBRITE	SQUARE WHITE LENS	•	(6'-0" A.F.F) WM (7'-0" A.F.F)	6 24 4		SAN JEFFREY
					T MV TOE 24IIV MV OET OOK SOOKI BIV MA				(1 6 7.1.1.)			Wis.
			F1 •		120 LITHONIA# WF6-LED-304050K-90CRI-MW	GREEN CREATIVE	FLAT WHITE LENS	•	R	1.5 6 1		
			F2 •	11 870 LUMENS/ 4000K	120 LITHONIA#6JBK-RD-40K-90-CRI-MW-M6	PRESCOLITE	REGRESSED WHITE BAFFLE		R	4 6		LLC. 45402
			F3 • F4 •	1000 LUMENS/	120 LITHONIA# LDN6CYL40/20 LO6ARLSS 120 12 LITHONIA # WF6 ADJ LED 30K40K50K90 CRI N	PRESCOLITE WAC	SEMI SPECULAR REFLECTOR MATTE WHITE LENS	•	SM - 24" SOEM	36 6	 	ELINSKI L 00 Dayton, Ohio 4 ex (937) 223-3849
			F5 •	10 4000K 10 850 LUMENS/ 4000K	120 8 120 JUNO # JSF 5IN 07LM 40K 90 CRI 120 FRPC WHJSFTRIM 5INSN		MATTE WHITE LENS MATTE WHITE LENS	•	CS	1 5 8	 	$\overline{Z}_{\text{ELIN}}$ ite 400 Dayt
			F6 •	30 1250 LUMENS RGBW	120 GOTHAM # EVO-ARTC-RGBW/12-4AR-MD-LD-120-DMX-TR	APPROVED EQUAL	SEMI SPECULAR	•	R	7 4 9,10		eet Su
												Ludlow Str
			K1 •	10 2000 LUMENS/ 4000K	120 LITHONIA# WDGE2 LED-TFTM	HUBBELL }	WEDGE CUTOFF	•		12 9 7		Z04 S.
			K2 ●	2.2W/FT / 4000K	120 ACOLYTE# AS 30	LUMENII	MATTE WHITE DIFFUSER	•	WM	1.3 1.2 5		
			P1 •	5 200 LUMENS	120 WAC # PD-ZZ754-AL	2 AFX OR APPROVED EQUA	L LINEAR PENDANT	•	PENDANT	8 3 6		
						·						ie G
			BL1 ◆	20 800 LUMENS / 4000K 2000 LUMENS /	120 LITHONIA# KBDB LED-12C-350-40K-SYM-120-DNAXD LITHONIA#	HUBBELL		•	BOLLARD BASE	42 8 3		wnst
			FL1 ● FL2 ●	20 4000K	DSXF1-LED-P1-40K-NSP-MVOLT-THK-DDBXD		NARROW SPOT FLOODLIGHT WIDE FLOOD FLOODLIGHT	•	S (GRADE)		$ \mid$ D	ρ
			T LZ	4000K	#DSSF1-LED-P1-40K-WFL-MVOLT-THK-DDBXI	D	WIDE FEODE FEODE IGHT		3 (OIADE)			ıgtor
			PL1 ●	125 8700 LUMENS / 4000K	LITHONIA# 120 DSX1-LED-P3-40K-T3M-MVOLT-SPA-DDBXD/S	S BEACON	FULL CUTOFF (TYPE III)	•	20' (5") SQUARE STEEL POLE	2 7,11		ıshir
			PL1S •	125 8700 LUMENS / 4000K	S-20-4G-DM19AS-DDBXD LITHONIA# 120 DSX1-LED-P3-40K-T3M-MVOLT-SPA-DDBXD/S	S BEACON	FULL CUTOFF (SHIELDING)	•	20' (5") SQUARE STEEL POLE	4,7,1	₹	\geqslant
			PL2 •	OZOO LLIMENS /	S-20-4G-DM19AS-DDBXD LITHONIA# 120 DSX1-LED-P3-40K-T3M-MVOLT-SPA-DDBXD/S	S BEACON	FULL CUTOFF (TYPE IV)	•	20' (5") SQUARE STEEL POLE	7,11	 -	NO. DATE
					S-20-4G-DM19AS-DDBXD		<u> </u>		3.223.32			03/22/22 F
			UC1 •	10 500 LUMENS / 4000K	120 LITHONIA# UPLD 8IN-30K-90CRI-SWR-WH	CONTECH, LAMAR	MATTE WHITE LENS	•	2 UC (OR SHELF)	18 2		1 04/14/22 A 2 04/22/22 A
			X1 •	5W	120 LITHONIA # LHQM-LED-R-HO-M6	COMPASS, CHLORIDE	LED EMERGENCY/EXIT RED LETTERS ON WHITE W/EM HEADS	•	WM OR CLG SURFACE ABOVE DOOR		∥ _E	
			REM ●		120 LITHONIA # ERE-GY-T-RD-WP	COMPASS, CHLORIDE	LED REMOTE LAMP HEADS - 2 HEAD - ROUND		WM OR CLG SURFACE TO CANOPY	4		
						}						
			EM •	5 TWO 1W LAMPS	120 LITHONIA #EU2C	COMPASS, CHLORIDE	EMERGENCY LIGHT		WM 7'-6"	4 14 4		
			NOTES:								□ 	_
			1. SWITCHABLE	E COLOR TEMPERATURE. OCKER SWITCH (HARD WIRED (CONNECTION).							DATE JOB NO.
			3. REFER TO B	OLLARD BASE DETAIL. SHIELD ON FIXTURE.	- · - ·· <i>y</i> ·							DRAWN
			5. FIXTURE LEN		N APPARATUS BAY DOORS. MOUNTED TO WALL D	IRECTLY BELOW BRICK VENE	ER TRANSITION.				_	CHECKED COPYRIGHT © 2022
			7. REFER TO P	OLE BASE DETAIL.		IDEDCIDE OF CANODY						TITLE SCHE
			9. PROVIDE DM	1X512 WALLBOX TYPE CONTRO	ROOF BACK BOX FOR SURFACE MOUNTING TO UNLER (TOUCHSCREEN), EQUAL TO ACUITY FRESC (RE SURMITTED FOR ARREOVAL WITH FOUND IN A	O EZ SOLO FOR CONTROL OF						
			<u>∕2∖</u> 11. FIXTURES SI	HALL HAVE 7-PIN CONTROL REC	BE SUBMITTED FOR APPROVAL WITH EQUALIVAL CEPTACLE WITH SHORTING CAP, REFER TO SITE F	PLAN FOR POLE FIXTURES W	TH CONVENIENCE RECEPTACLE A	T BASE.				SHEET NO.
			J- J									

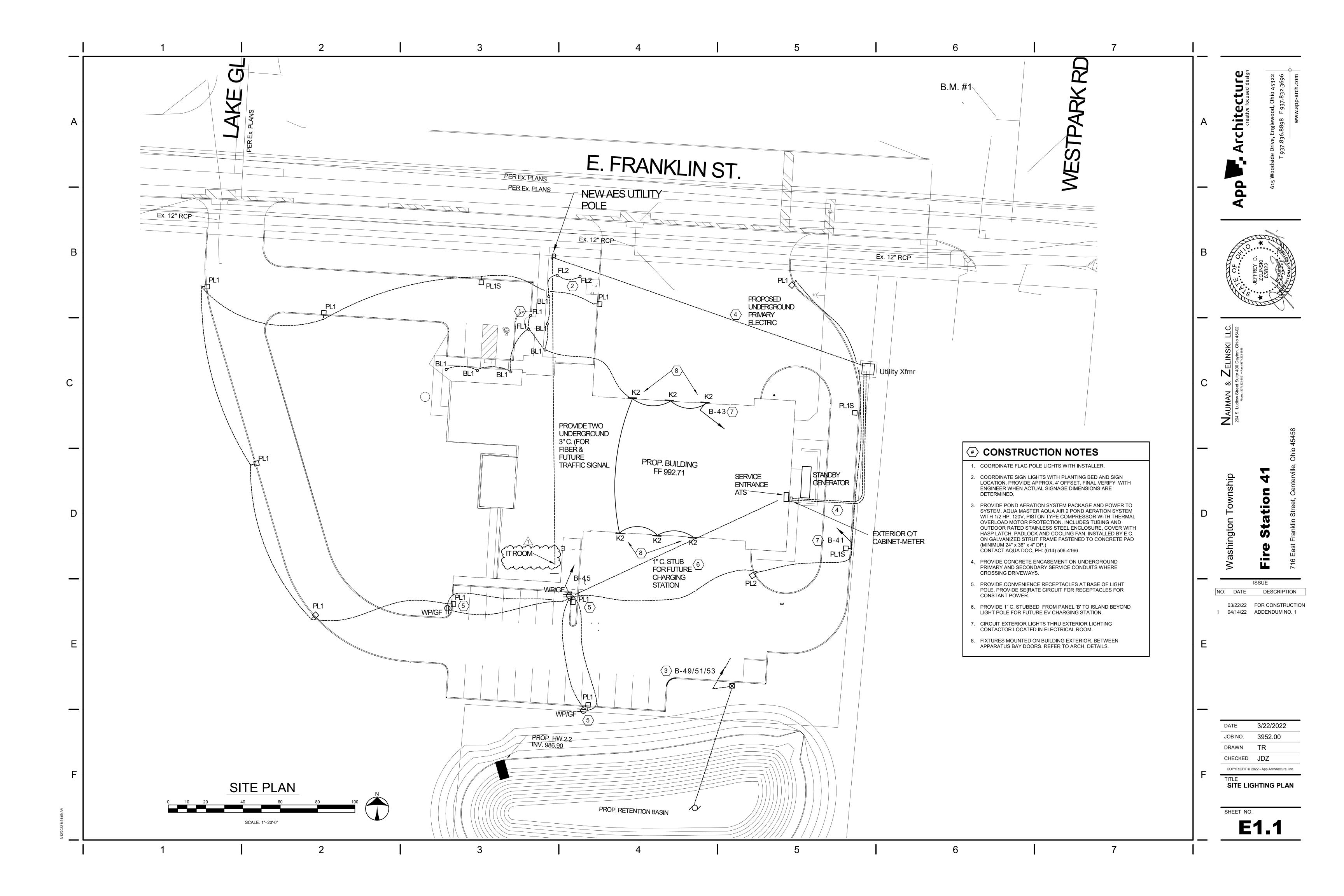


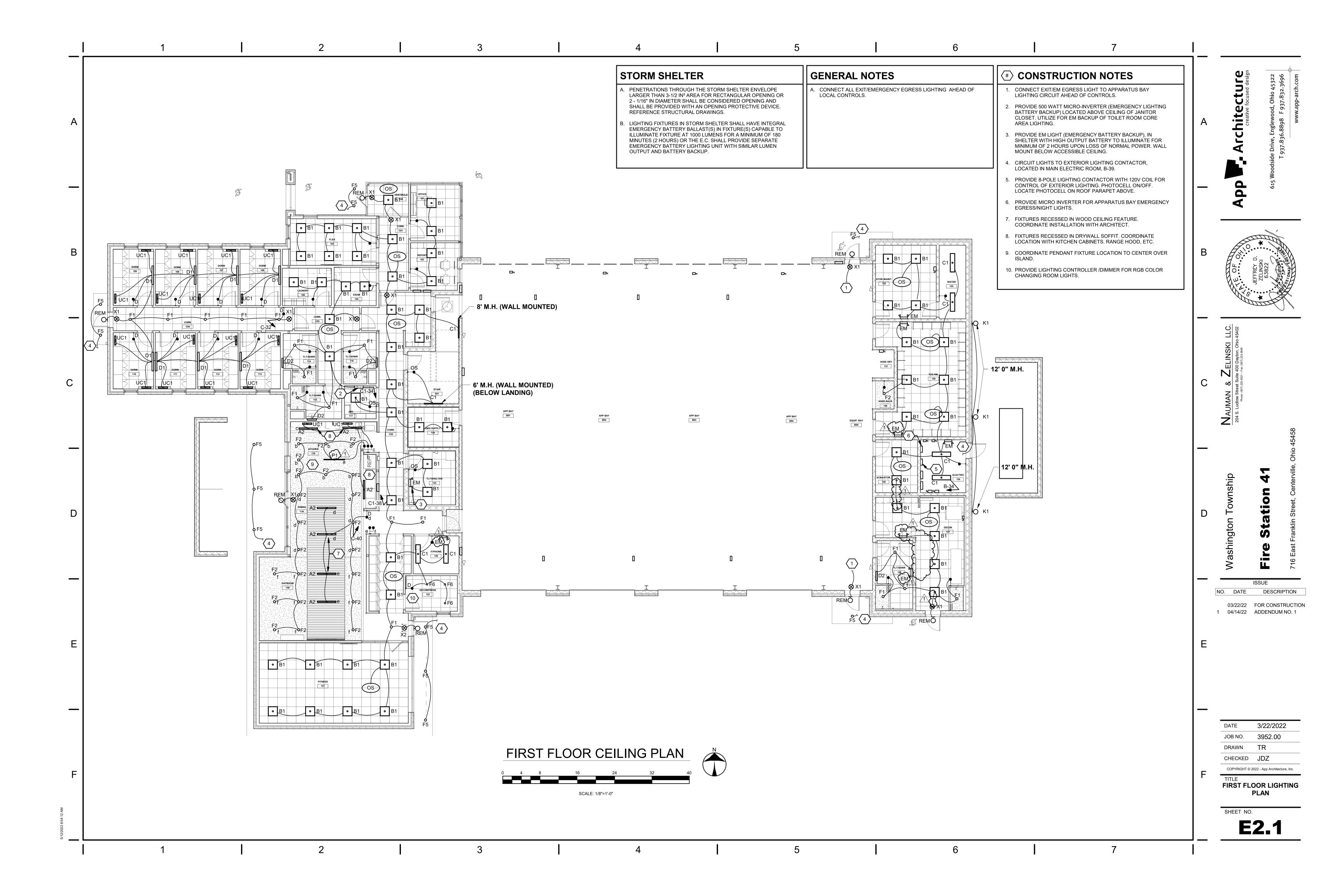


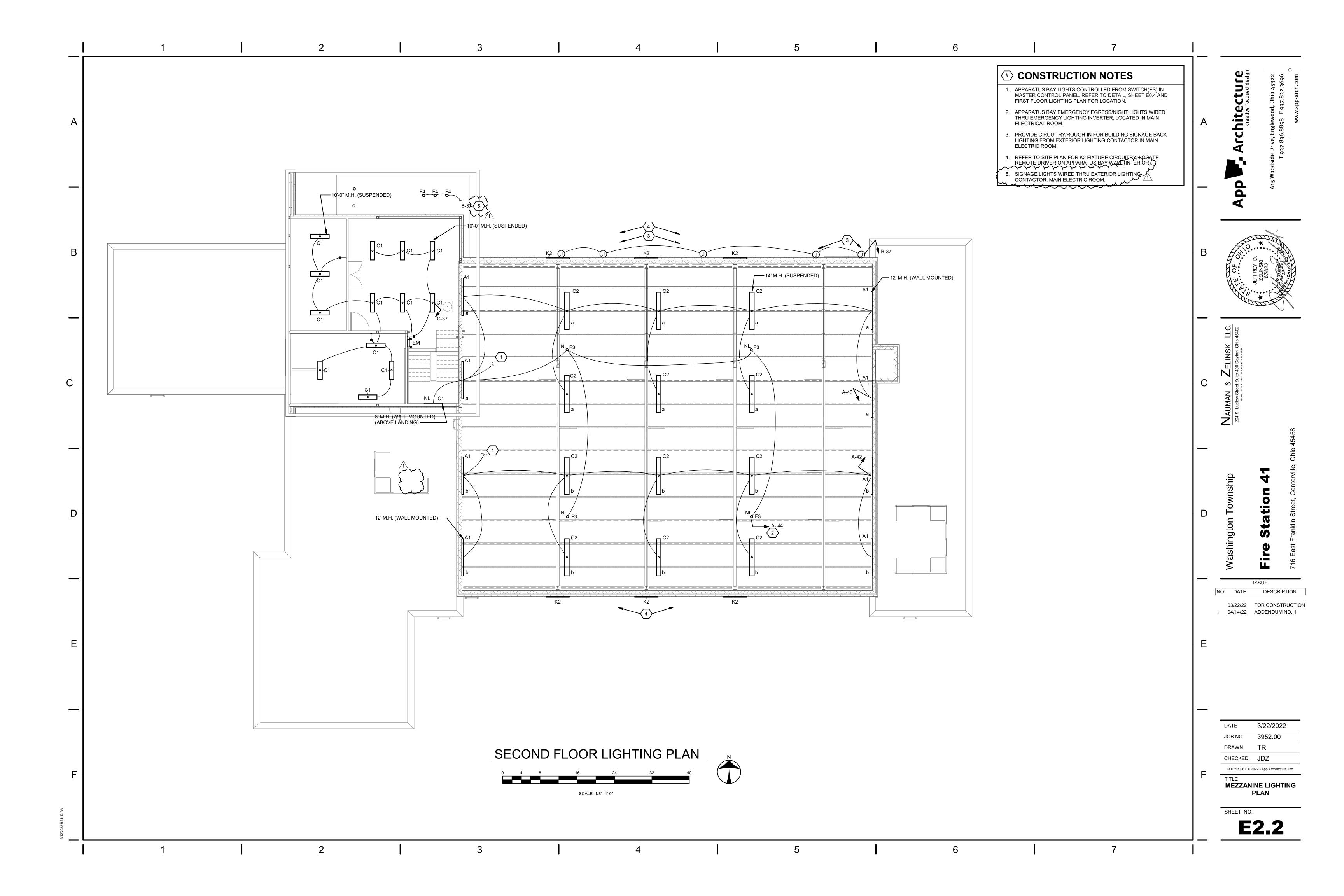


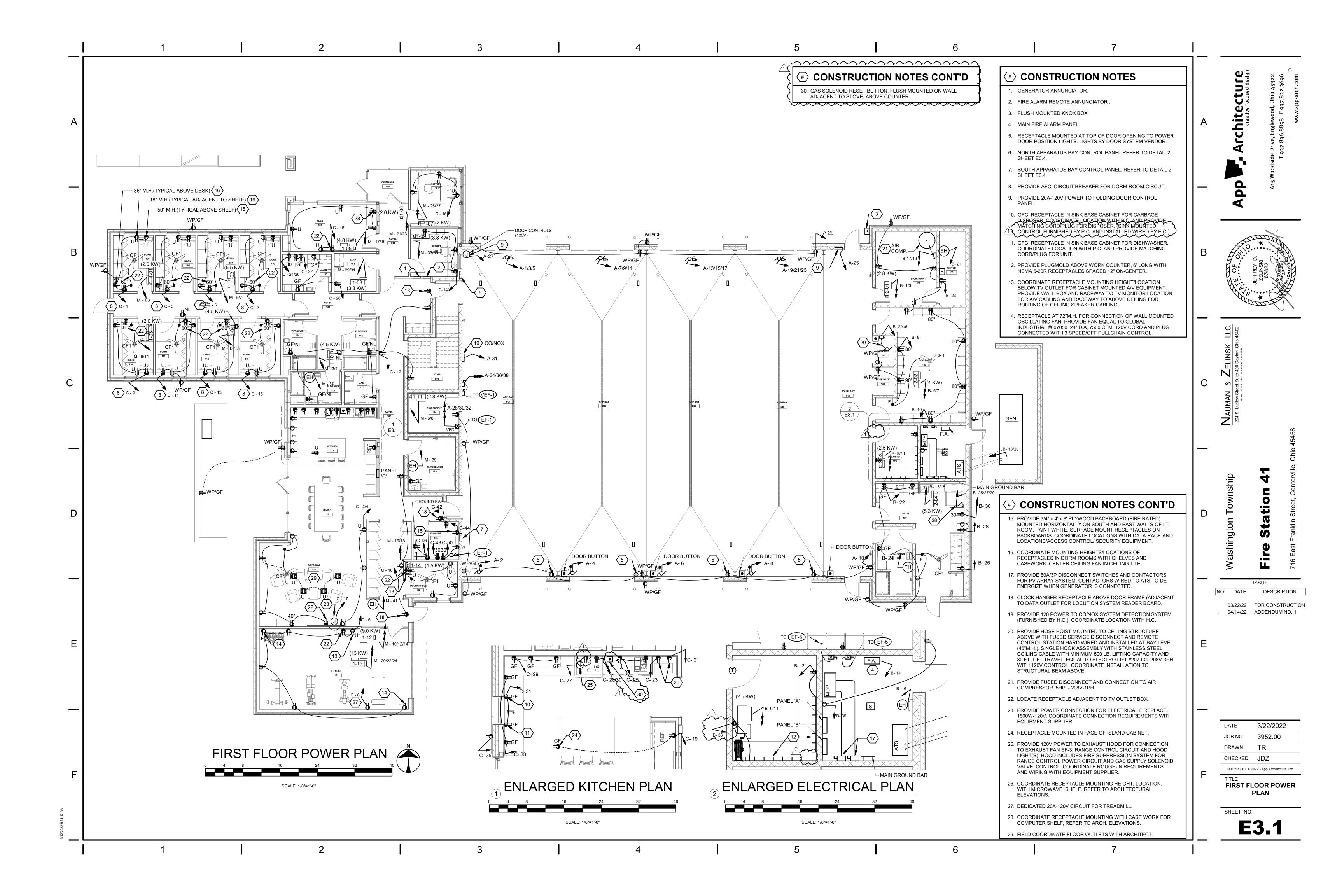
MOTOR CHARAGE ATE (KVA OR FLA) T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP N 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP 6 1/2HP	TERISTICS - 208V-1PH 480V-1PH	LOCATION EAST ROOF MEZZANINE MEZZANINE WEST ROOF APP BAY	MANUAL MAGNETIC BUILT-IN MOTOR 0/L VFD VFD WEMA SIZE MAGNETIC ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	MOTOR CONT. CNTR MOTOR CONT. CNTR FIGURE CONT. PANEL ROOM NUMBER SEE NOTE THE PANEL THE PANEL SEE NOTE	FURNISHED BY DISC. SWITCH MANUAL STARTER RECEPTACLE BREAKER	BREAKER FUSIBLE NEAR MOTOR MOTOR. CONT. PANEL EQUIP. CONT. PANEL		MANUAL AT STARTER INTEGRAL W/ EQUIP. BY H.C. SEE NOTE	MIRE SIZE GRD. SIZE CONDUIT SIZE CONDUIT SIZE						App F. Architectu
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	MOTOR CONT. CNTR • EQUIP. CONT. PANEL ROOM NUMBER SEE NOTE	DISC. SWITCH MANUAL STARTER RECEPTACLE REALKED	FUSIBLE NEAR MOTOR MOTOR. CONT. PANEL EQUIP. CONT. PANEL	SEE NOTE The properties of th	MANUAL AT STARTER INTEGRAL W/ EQUIP. BY H.C. SEE NOTE	MO. OF CONDUCTORS WIRE SIZE GRD. SIZE CONDUIT SIZE						App F. Archite
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	MOTOR CONT. CNTR • EQUIP. CONT. PANEL ROOM NUMBER SEE NOTE	DISC. SWITCH MANUAL STARTER RECEPTACLE REFALTER	BETAKEK FUSIBLE NEAR MOTOR MOTOR. CONT. PANEL EQUIP. CONT. PANEL	SEE NOTE The Furnished by Interlock W/ Motor No. By Electrons (1974)	MANUAL AT STARTER INTEGRAL W/ EQUIP. BY H.C. SEE NOTE	NO. OF CONDUCTORS WIRE SIZE GRD. SIZE CONDUIT SIZE						App F. Archi
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	NEAR MOTOR MOTOR CONT. CNTR EQUIP. CONT. PANEL ROOM NUMBER SEE NOTE	O O O PURNISHED BY DISC. SWITCH MANUAL STARTER RECEPTACLE	FUSIBLE FUSIBLE MOTOR. CONT. PANEL EQUIP. CONT. PANEL	SEE NOTE The Furnished by Interlock W/ Motor No.	MANUAL AT STARTER INTEGRAL W/ EQUIP. BY H.C. SEE NOTE	MO. OF CONDUCTORS WIRE SIZE GRD. SIZE CONDUIT SIZE	!					App T. Arc
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	NEAR MOTOR MOTOR CONT. CNTR EQUIP. CONT. PANEL ROOM NUMBER SEE NOTE	FURNISHED BY DISC. SWITCH MANUAL STARTER RECEPTACLE	BENEAKER FUSIBLE NEAR MOTOR MOTOR. CONT. PANEL EQUIP. CONT. PANEL	SEE NOTE The Furnished by Interlock W/ Motor	MANUAL AT STARTER INTEGRAL W/ EQUIP. BY H.C. SEE NOTE	MO. OF CONDUCTORS WIRE SIZE GRD. SIZE CONDUIT SIZE	<u>!</u> .					App 🕌 A
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	NEAR MOTOR MOTOR CONT. CA EQUIP. CONT. PA ROOM NUMBER SEE NOTE	FURNISHED BY DISC. SWITCH MANUAL STARTE RECEPTACLE	BY BAKER FUSIBLE NEAR MOTOR. CONT. PA EQUIP. CONT. PA	SEE NOTE The Furnished by Interlock W/ Mi	MANUAL AT STAF INTEGRAL W/ EQUES BY H.C.	MO. OF CONDUCT WIRE SIZE GRD. SIZE CONDUIT SIZE	1					App —
T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	NEAR MOTOR CON MOTOR CON EQUIP. CON ROOM NUM!	FURNISHED PISC. SWITC MANUAL ST RECEPTACI	BREAKER FUSIBLE NEAR MOTO MOTOR. CO EQUIP. CON	PANELBOAF SEE NOTE TOTAL SEE NOTE INTERLOCK	MANUAL AT INTEGRAL V BY H.C. SEE NOTE	MO. OF CON WIRE SIZE GRD. SIZE CONDUIT SI	<u>-</u>					App
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T #1 33 MCA / 45 MOCP Y 22 MCA / 30 MOCP IN 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	EAST ROOF MEZZANINE MEZZANINE WEST ROOF	ECM ECM	• H			EC								A
Y 22 MCA / 30 MOCP 12 MCA / 15 MOCP UNIT #1 125 MCA / 175 MOCP 1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•	MEZZANINE MEZZANINE WEST ROOF	ECM ECM	• H	HC •		EC	•	3	–					
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1 2HP 2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP	•					•	EC		3 12 12 .5	_					
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2 1/4HP 3 1/4HP 4 1/4HP 5 1/2HP		APPRAY		-	EC •		EC •	•	2 12 12 5						7
4 1/4HP 5 1/2HP	•	WEST ROOF (TR'S)	ECM	H	HC •	•	HC •	1	3 12 12 .5 2 12 12 .5						FFREY SELLINS
5 1/2HP		WEST ROOF (KITCHEN)	ECM	H	HC •	•	HC •	2	2 12 12 .5						A Harris
	•	IT ROOM EAST ROOF (DECON)	ECM ECM	H	HC •	•	HC •	•	2 12 12 .5 2 12 12 .5						W.S. *
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UST FAN 1 7.5 HP	•	APP BAY		• E	ES •		EC	•	2 12 12 .5	-					(i) N
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TER 2 5 AMPS TER 3 5 AMPS	•	APP BAY APP BAY		• H	HC •	•	EC	•	2 12 12 .5	_					
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TER 5 5 AMPS TER 6 5 AMPS	•	APP BAY		• H	HC •	•	EC	•	2 12 12 .5	_					AAN Blows (97
ER 7 5 AMPS	•	APP BAY		• H	HC •	•	EC								AUN S. Lud
TER 8 5 AMPS	•	APP BAY		• H	HC •	•	EC			_					2 602
D AIVIPO		AFF DAT													
TER 1 1.5 KW	•	ELECTRIC ROOM 134								_					 —
TER 3 1.5 KW	•	TLT/SHOWER 123		• H	HC •	•	HC	•	2 12 12 .5						
TER 4 1.5 KW	•	DAYROOM 120		• H	HC •	•	HC	•	2 12 12 .5	_					_
TER 6 1.5 KW	•	WATER 133		• H	AC •			•	2 12 12 .5						shij
HEAT 1_01 2 0K/M		DORM 100			AC •					_					
HEAT 1-01 2.0KW HEAT 1-02 5.5KW	•	DORM 109 DORM 107		• H	HC •	•			2 8 10 .75						
HEAT 1-03 2.0KW	•	DORM 110		• H	HC •	•			2 12 12 .5	_					o G
HEAT 1-04 4.5KW HEAT 1-05 4.8KW	•	DORM 112 FLEX 100		• H	HC •				2 10 10 .5						Jg Jgt
HEAT 1-06 2.0KW	•	VEST 100		• H	HC •				2 12 12 .5	_					<u>ič</u> &
HEAT 1-07 2.0KW HEAT 1-08 3.8KW	•	OFFICE 101 EXAM 104		• H	HC •	•			2 10 10 .5						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
HEAT 1-09 3.8KW	•	REPORT 102		• H	HC •	•				_					_ > •
HEAT 1-10 4.5KW HEAT 1-11 2.8KW	•	KITCHEN 118 EMS 124		• H	HC •	•			2 12 12 .5						ISSUE
HEAT 1-12 9.0KW	•	DAYBOOM 129 1		• H	HC •	•			2 10 10 .5						NO. DATE D
NO POWER HEAT 1-14 1.5KW	•	DECOMPRESS 122		• H	HC •				2 12 12 .5	-					03/22/22 FOR 0 1 04/14/22 ADDE
HEAT 1-15 12.7KW		FITNESS 121		• H	HC •				2 8 10 .75	_					
HEAT 1-16 9.0KW HEAT 2-01 2.8KW		TRIANING WATER/STORAGE 132/133		• H	HC •				2 12 12 .5	-					_
HEAT 2-02 4.0KW	•	TOG 129		• H	HC •				2 10 10 .5						E
HEAT 2-03 2.5KW HEAT 2-04 4.8KW	•					•				-					
	ER 1 5 AMPS ER 2 5 AMPS ER 3 5 AMPS ER 4 5 AMPS ER 5 5 AMPS ER 6 5 AMPS ER 7 5 AMPS ER 8 5 AMPS ER 9 5 AMPS TER 1 1.5 KW TER 2 1.5 KW TER 2 1.5 KW TER 3 1.5 KW TER 4 1.5 KW TER 6 1.5 KW TER 6 1.5 KW TER 1 2.0 KW HEAT 1-01 2.0 KW HEAT 1-02 5.5 KW HEAT 1-03 2.0 KW HEAT 1-04 4.5 KW HEAT 1-05 4.8 KW HEAT 1-06 2.0 KW HEAT 1-07 2.0 KW HEAT 1-08 3.8 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 5.8 KW HEAT 1-10 5.8 KW HEAT 1-10 6.0 KW HEAT 1-10 6.0 KW HEAT 1-10 7.0 KW HEAT 1-10 8.0 KW HEAT 1-10 1.5 KW HEAT 1-10 9.0 KW HEAT 1-14 9.0 KW HEAT 1-16 9.0 KW HEAT 2-01 2.8 KW HEAT 2-01 2.8 KW HEAT 2-02 4.0 KW HEAT 2-03 2.5 KW	ER 1 5 AMPS ER 2 5 AMPS ER 3 5 AMPS ER 4 5 AMPS ER 5 5 AMPS ER 6 5 AMPS ER 7 5 AMPS ER 8 5 AMPS ER 9 5 AMPS TER 1 1.5 KW TER 2 1.5 KW TER 3 1.5 KW TER 4 1.5 KW TER 6 1.5 KW TER 6 1.5 KW TER 6 1.5 KW TER 1 2.0 KW HEAT 1-01 2.0 KW HEAT 1-02 5.5 KW HEAT 1-03 2.0 KW HEAT 1-04 4.5 KW HEAT 1-05 4.8 KW HEAT 1-07 2.0 KW HEAT 1-08 3.8 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 5.0 KW HEAT 1-10 5.0 KW HEAT 1-10 5.0 KW HEAT 1-10 6.0 KW HEAT 1-10 6.0 KW HEAT 1-10 7.0 KW HEAT 1-10 8.8 KW HEAT 1-10 9.0 KW HEAT 1-10 1.5 KW HEAT 1-10 1.5 KW HEAT 1-10 1.5 KW HEAT 1-10 2.0 KW HEAT 1-10 3.8 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 4.5 KW HEAT 1-10 5.0 KW HEAT 1-10 5.0 KW HEAT 1-10 6.0 KW HEAT 1-10 6.0 KW HEAT 1-10 1.5 KW HEAT 1-10 1.5 KW HEAT 1-10 2.8 KW HEAT 1-10 4.5	ER 1 5 AMPS	ER 1 5 AMPS	### SAMPS	ER 1 5 AMPS	RET 1 SAMPS	ER1 5 AMPS	ER 1 SAMPS	REAT 1 5 AMAPS	ER 1	LECT OWNERS	Marie Mari	AMANUAL AMAN	### SAME

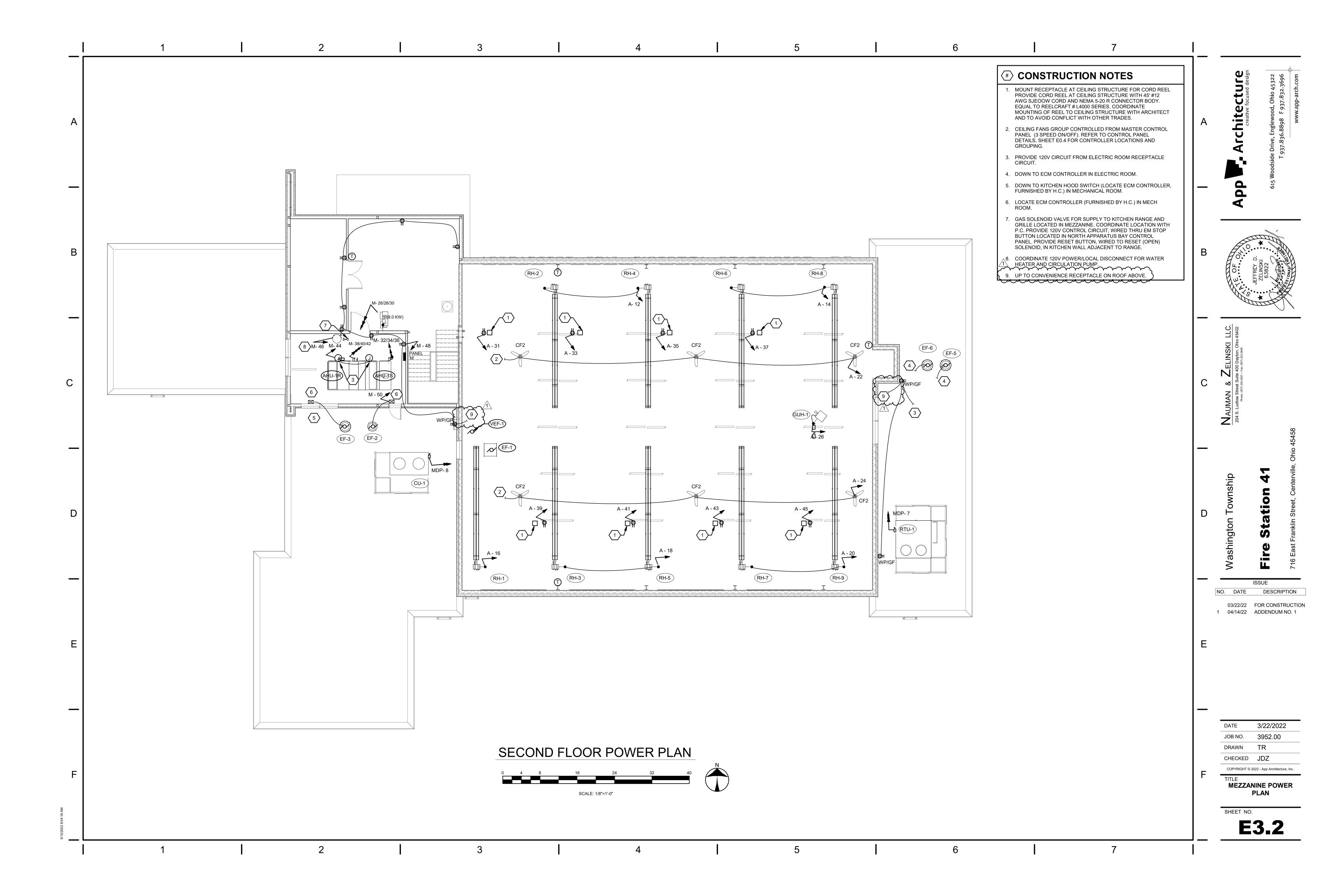


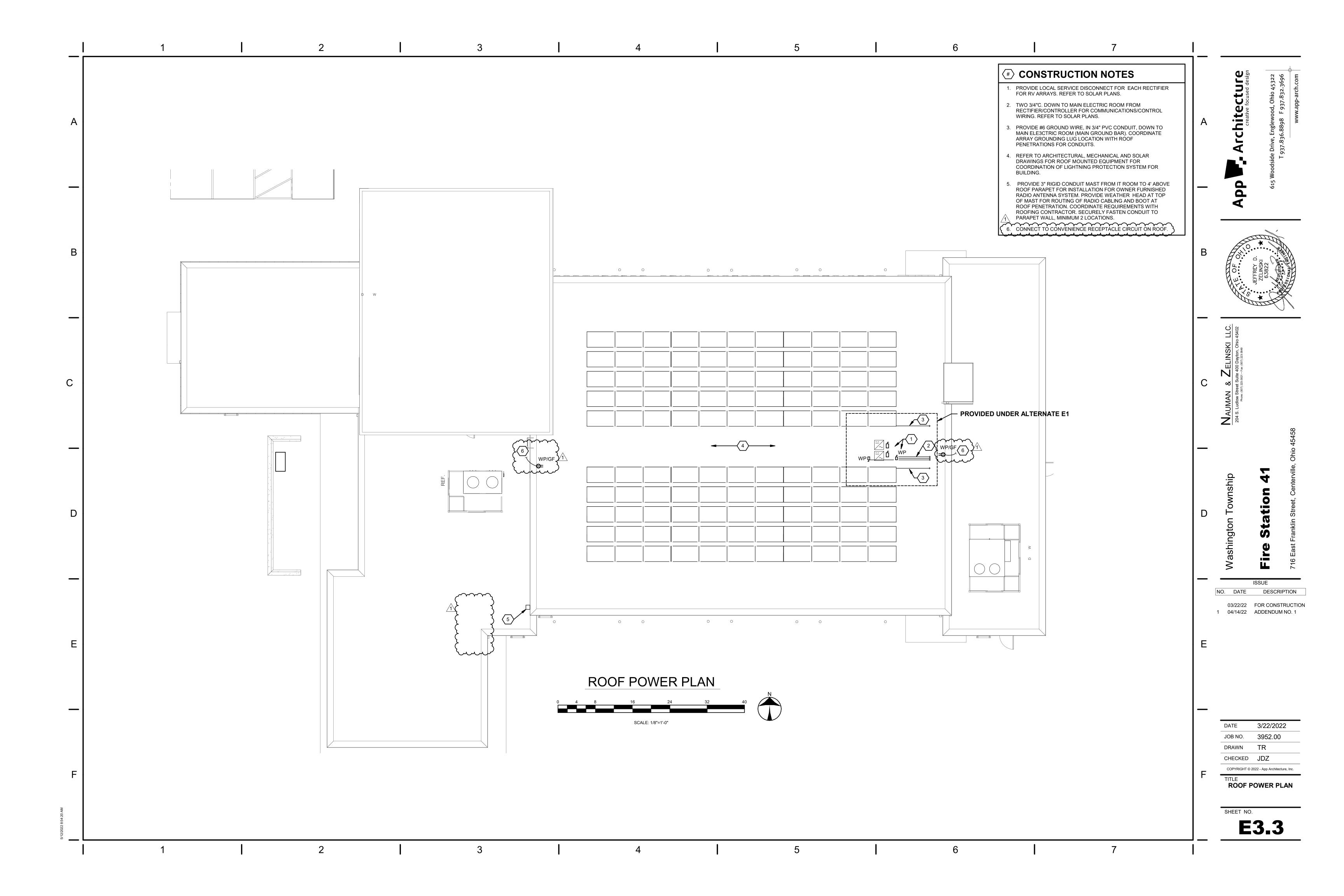


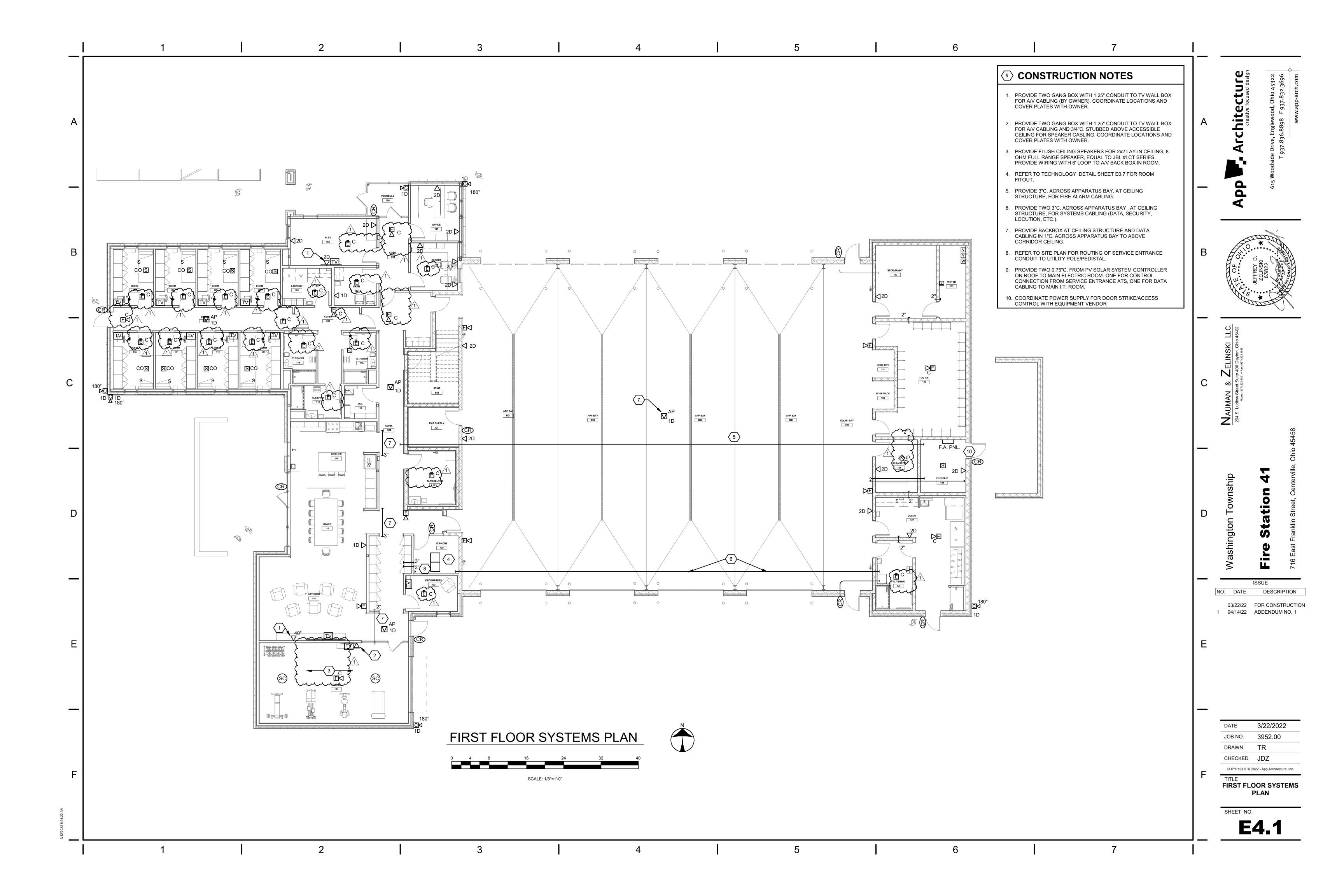


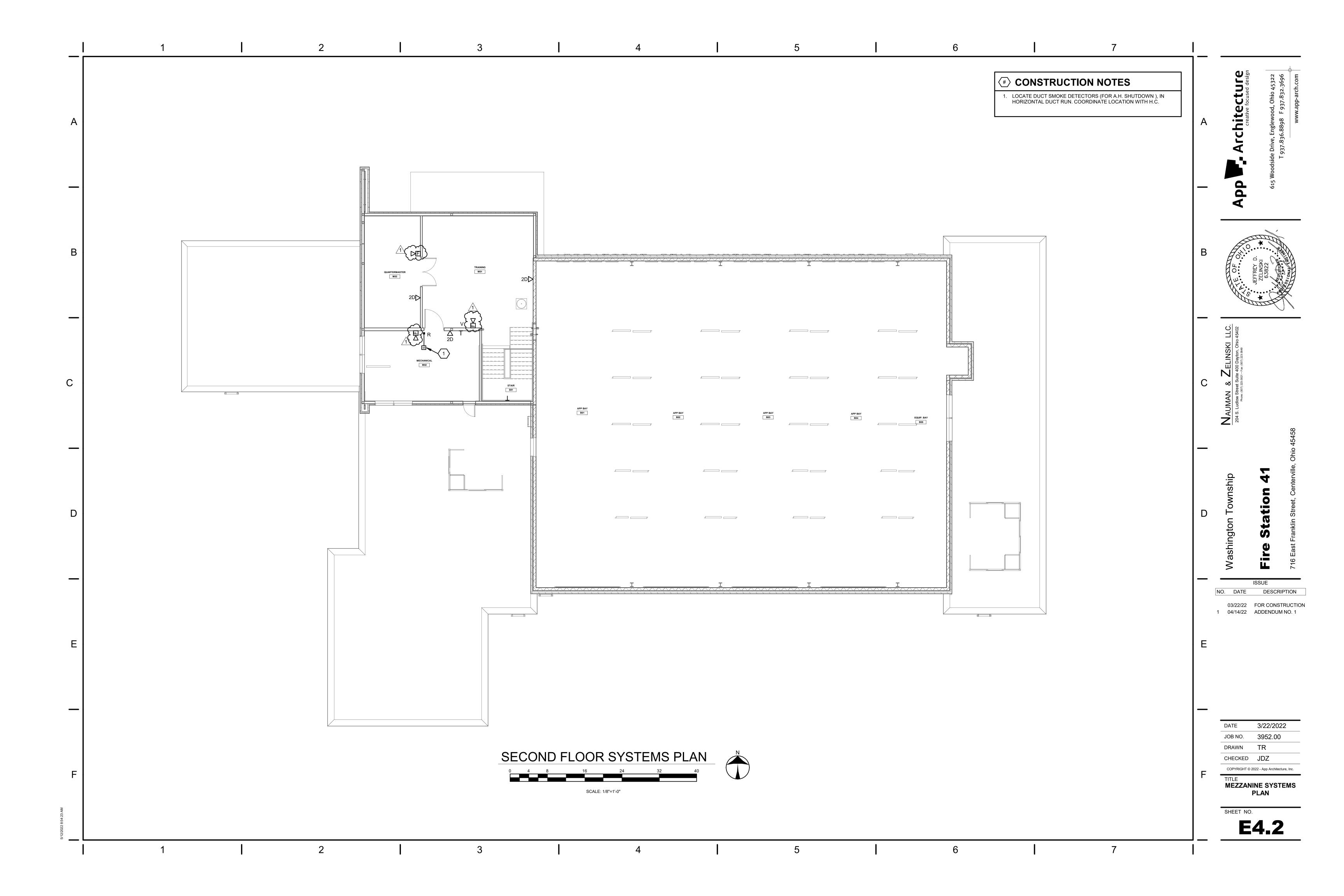


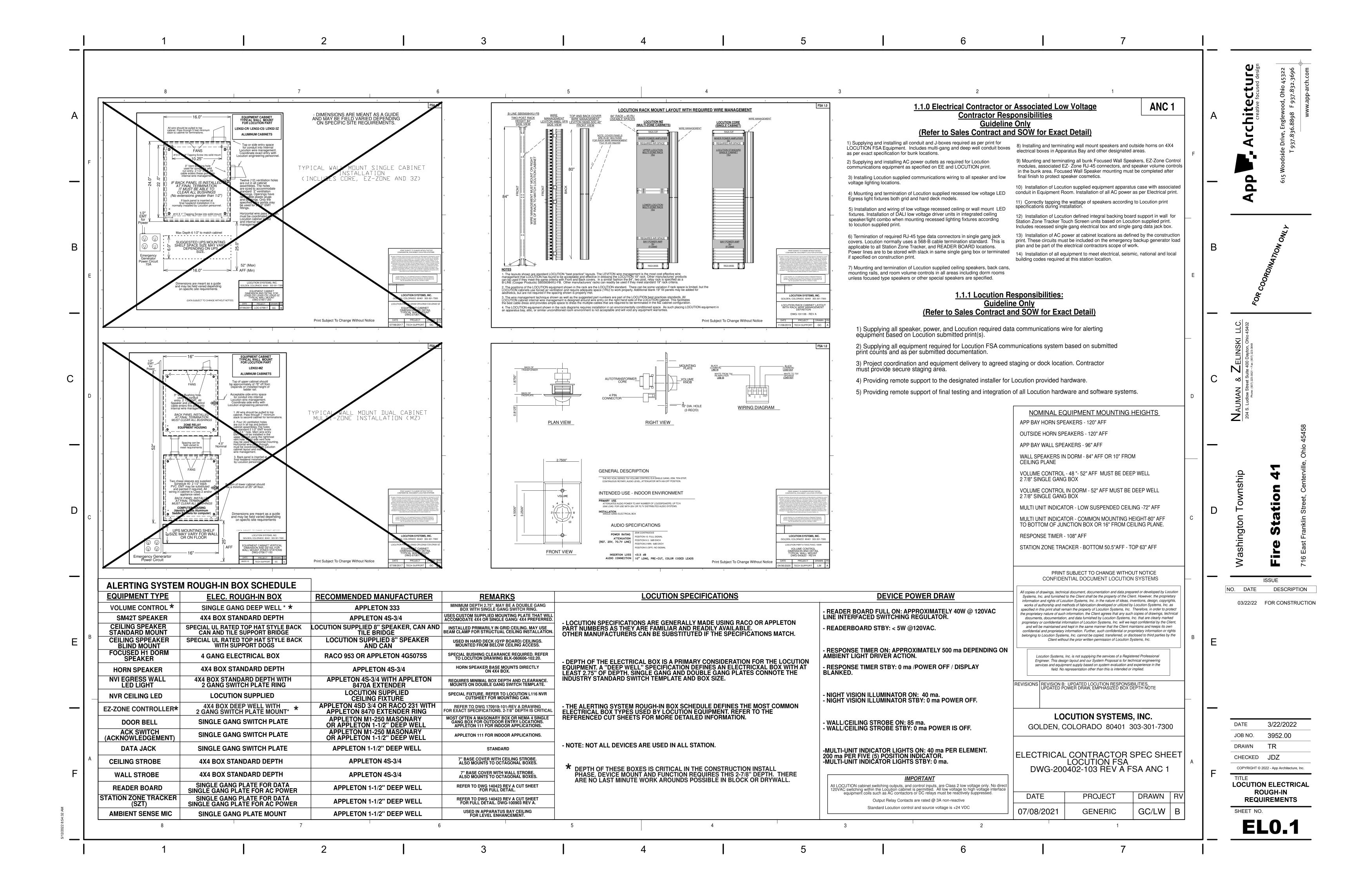


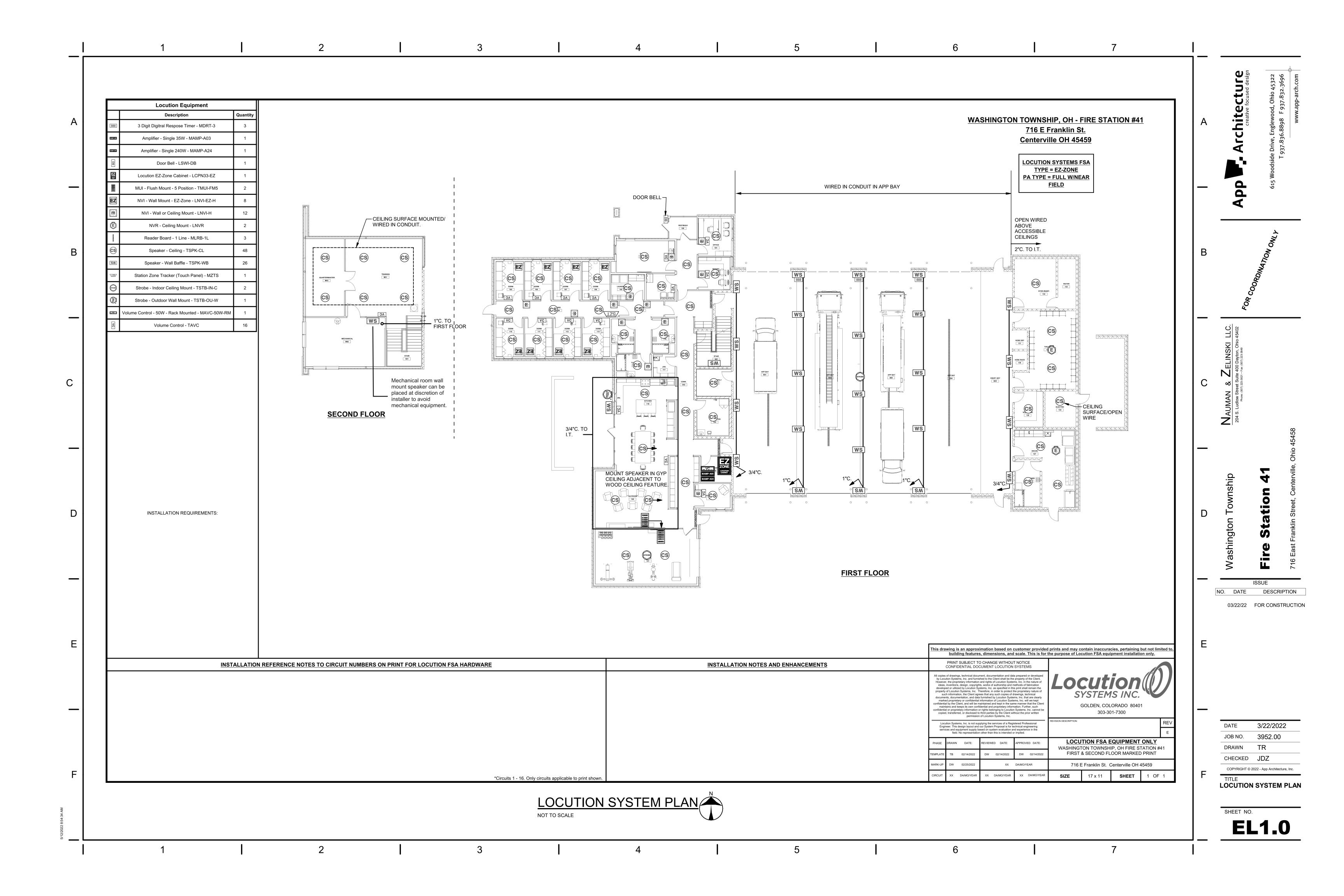












WIRING AND GROUNDING LUGS.

ES2.3 PANEL MOUNTING

