Remington Freight Depot Rehabilitation - Phase I REMINGTON FREIGHT DEPOT REHA REHABILITATION OF EXISTING FREIGHT DEPOT BUILDING - INCLUDING ALL WORK DESCRIBED FOR - NEW ACCESS RAMP & PLATFORM, ARCHITECTUI

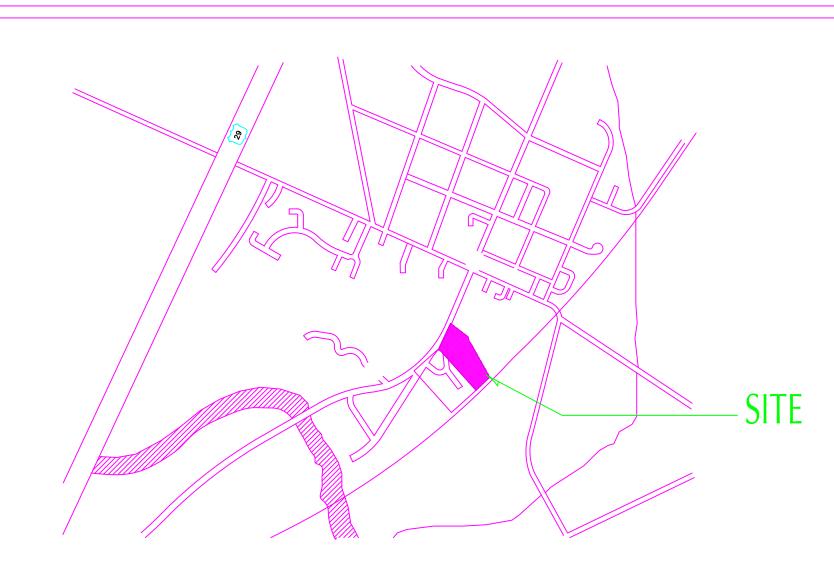
UPC #111975 VDOT Project #EN99-288-115, C501 FEDERAL PROJECT # TEA-030-7(047)

Lee - Remington Magisterial District PIN 6887-07-5442-000 113 South James Madison Highway Remington, VA 22734 Fauquier, County, Virginia Drawings Date: August 18, 2023

FOUNDATION DESIGN & FLOOD CONSIDERATION

Charley Banks (Floodplain Program Engineer for DCR in Richmond) and Table 5 - Floodway Data from the Remington FEMA map, the 100 year floodplain at Remington shows the new depot site parcel 100 year flood level to be 3 feet higher than the historic and unprecedented flood of the 1972 Hurricane Agnes at an elevation of 276.1'.

The building currently has no electric service, and no mechanical or plumbing equipment. Once now relocated, and in the process of rehabilitation work for use, all electrical wiring (not located in water tight conduit), electrical equipment, and mechanical equipment, including any ductwork, shall be located above the 276.1' elevation. There will be no plumbing in the building. The rehabilitated building electrical service will be located remotely at on a freestanding mechanical equipment and electrical service platform located 25' east of, and at a higher elevation, than the depot building. See Drawings *M*-1 and E-1.



TOWN OF REMINGTON, VIRGINIA

VICINITY MAP - NOT TO SCALE

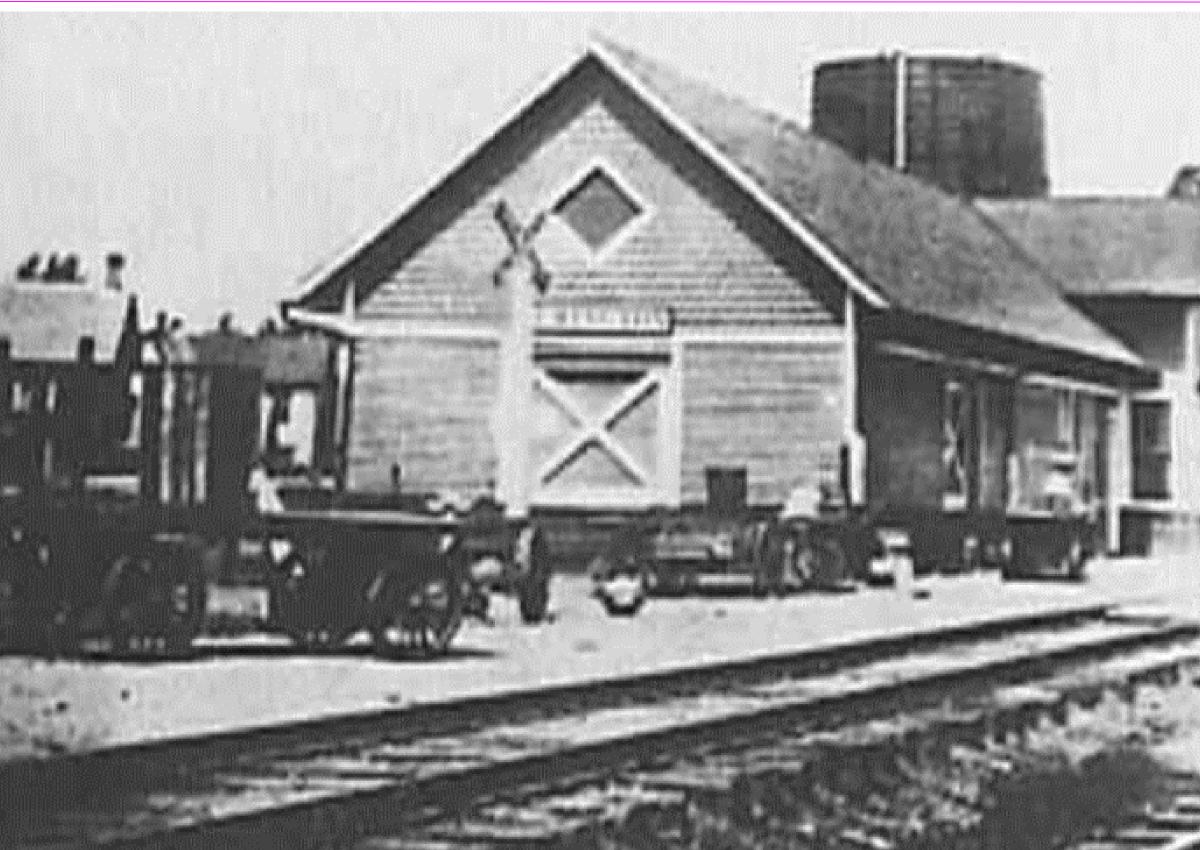
BRIEFLY - ACCOMPLISH ALL OF THE PHASE II & III DEPOT WORK REHABILITATIO PROJECT MANUAL IN THE STEPS INDICATED BELOW. ALL WORK INDICATED IN TH COMPLETED WHETHER OR NOT SPECIFICALLY MENTIONED IN THE STEPS INDICATE DESCRIPTION OF THE WORK.

IF IT IS NOTED BY THE ARCHITECT OR OWNER THAT ANY ASPECT OF THE WORK I AND PROJECT MANUAL, STOP THE WORK UNTIL THE ISSUE IS RESOLVED TO THE SA EXPENSE OR PROJECT TIME. SEE 8.2 & 8.3 OF THE AGREEMENT BET

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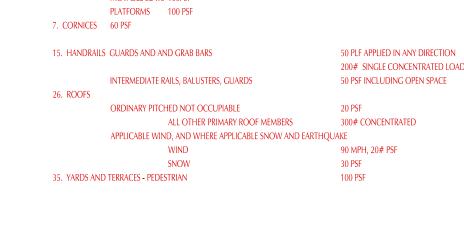
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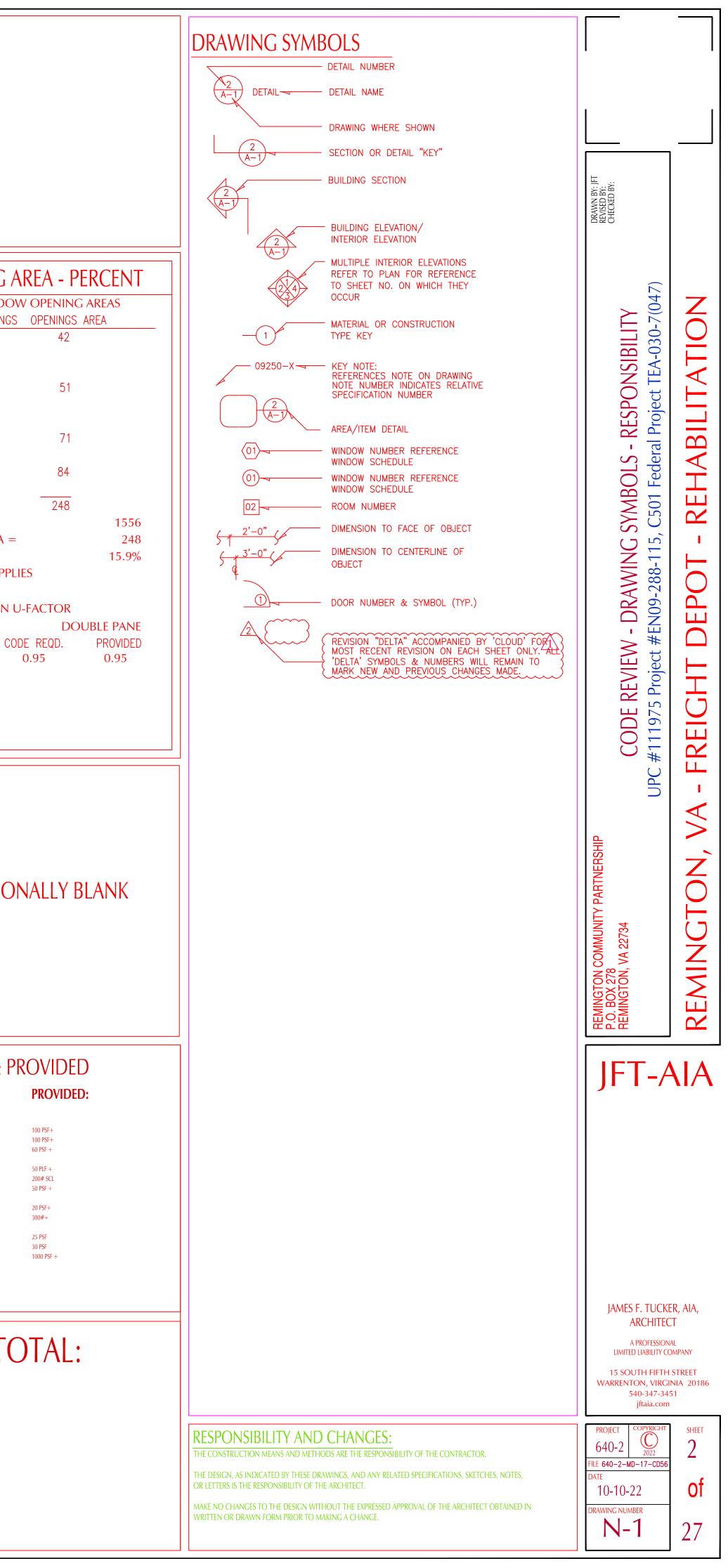
- STEP 1 PROCEED WITH ALL REQUIREMENTS OF THE DRAWINGS COV, N1 AND N2, AND PROCEED TO R STEP 2 - REPAIR FRAMING, SUB-SIDING & EXTERIOR WOOD ITEMS (Drawings A-5, A-6, A-7)
- STEP 3 REPAIR WINDOWS & REPAIR / REPLACE EXTERIOR HINGED DOORS & INSTALL GABLE LOUVERS (E
- STEP 4 PRIME, SEAL AND PAINT EXTERIOR DOORS AND WINDOWS (Drawings A-11 & PC-1)
- STEP 5 INSTALL ELECTRICAL RECEPTACLE BOXES & WIRING WITHIN EXTERIOR WALLS, & EXTERIOR FIXTU
- STEP 6 INSULATE EXTERIOR WALLS & INSTALL WATER & VAPOR BARRIER (Drawings A-8, A-9, A-10, A-11, STEP 7 - BACK PRIME AND END PRIME WEATHERBOARD SIDING & WOOD TRIM, INSTALL WEATHERBOAR
 - AREAS (Drawing A-11 & PC-1)
- STEP 8 REPAIR CHIMNEY, FLASHING AND ROOFING (Drawing A-13)
- STEP 9 CONSTRUCT ACCESS RAMP, ACCESS PLATFORM & MECHANICAL EQUIPMENT STAND (Drawings A
- STEP 10 INSTALL MECHANICAL SYSTEM (Drawing M-1)
- STEP 11 INSTALL REMAINING ELECTRICAL SYSTEM (Drawing E-1, E-2, M-1)
- STEP 12 PREP AND REFINISH INTERIOR AREAS (Drawing A-2)
- STEP 13 CONSTRUCT INFORMATION KIOSK (Drawing K-1)



JRAL FEATURES, MEC	CHAN	NICA	L & ELECTRICAL SYSTEMS	DRAWN BY: JFT DRAWN BY: JFT DRAWN BY: JAWES F. TUC Lic. No. 35	
HE CONTRACT DOCU ED BELOW. SEE THE IS NOT IN FULL CON ATISFACTION OF TH TWEEN OWNER AND REMOVE & DISPOSE OF S Drawings A-7, A-11, A-12, URES (Drawings E-1, E-2 & . A-12)	JME PRC VPLI IE OV D CC HING A-17, N-E&	NTS DJEC ANC VNE DNTF LE SIE A-18)	DING MATERIALS (Drawing A-4)	MAP & 501 Fede	VA - FREIGHT DEPOT - REHABILITATION
	Drawing 1 of 27 2 of 27 3 of 27		COVER – INDEX – SITE MAP & REVISIONS CODE REVIEW – DRAWING SYMBOLS – RESPONSIBILITY OCCUPANCY, EGRESS, VENTILATION & AREA	REMINGTON COMMUNITY PARTNERSH P.O. BOX 278 REMINGTON, VA 22734	REMINGTON,
	4 of 27 5 of 27 6 of 27 7 of 27 8 of 27 9 of 27 10 of 27 11 of 27 12 of 27 13 of 27 14 of 27 15 of 27 16 of 27 18 of 27 20 of 27 21 of 27 22 of 27 23 of 27 24 of 27 27 of 27 27 of 27	A-1 A-2 A-3 A-4 A-5 A-6 A-7 A-8 A-7 A-8 A-9 A-10 A-11 A-12 A-13 A-14 A-15 A-16 A-17 A-18 E-1 E-2 N-E&M M-1 PC-1 K-1	FOUNDATION PLAN - EXISTING - FOR REFERENCE ONLY FLOOR PLAN & REFLECTED CEILING PLAN - EXISTING CROSS SECTIONS - TRANSVERSE - EXISTING CONDITIONS SHINGLE DEMOLITION WORK - ELEVATIONS SHINGLE DEMOLITION WORK - ELEVATIONS SUBSIDING REPAIR WORK - ELEVATIONS SUBSIDING REPAIR WORK - ELEVATIONS SUBSIDING REPAIR WORK - ELEVATIONS SUTH WALL FRAMING REPAIR WORK & LOUVER DETAILS INSULATION WORK - DETAILS-1 INSULATION WORK - DETAILS-2 SIDING, SHINGLES, WINDOWS & DOORS AND TRIM - ELEVATIONS SIDING & TRIM - DETAILS-2 SIDING & TRIM - DETAILS ROOF & CHIMNEY REPAIR WORK - ELEVATIONS ACCESS RAMP & PLATFORM FOUNDATION & FRAMING PLAN ACCESS RAMP & PLATFORM PLAN & RAILING ELEVATIONS ACCESS PLATFORM - DETAILS WAITING ROOM DOORS RESTORE/REPLACE & EXISTING CONDITION WINDOW REFURBISH & EXISTING CONDITION FOR REFERENCE ELECTRICAL PLANS, NOTES & SCHEDULES ELECTRICAL PLANS & DETAILS - HVAC PLATFORM DETAILS PAINT COLORS KIOSK	JFT-/	ER, AIA, CT MAL DMPANY I STREET
		SIONS umber D	escription	FILE 640-2 DATE 08-18-23 DRAWING NUMBER COV	

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	ENGLISH LANGUAGE: 1. THE WORK OF THIS PROJECT IS GOVERNED BY THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE (BUILDING CODE) AND VARIOUS NATIONAL AND INTERNATIONAL CODES REFERENCED WITHIN THE BUILDING CODE ALL OF WHICH ARE WRITTEN IN THE ENGLISH LANGUAGE.		REMINGTON	N DEPOT					
	 THE ARCHITECTS DRAWINGS AND CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED USING THE ENGLISH LANGUAGE. ALL COMMUNICATIONS BETWEEN THE ARCHITECT AND THE CONTRACTOR, THE CONTRACTOR'S SUBCONTRACTORS AND CONTRACTORS EMPLOYEES WILL BE MADE BY THE ARCHITECT IN THE ENGLISH LANGUAGE, WRITTEN OR SPOKEN. 	PROJECT ADDRESS:	113 SOL I	τη ιανλέ		ON HIGHWAY			
	 ANY PERSON ON THE PROJECT OR PERFORMING ANY WORK OF THE PROJECT THAT DOES NOT READ, SPEAK AND HAVE A REASONABLE UNDERSTANDING OF THE ENGLISH LANGUAGE WHILE PARTICIPATING IN THE WORK, DO SO ENTIRELY AT THEIR OWN RISK. THE CONTRACTOR ASSUMES ALL RISKS TO PERSONS, PROPERTY AND DELAYS IN THE THE WORK DUE TO THE PARTICIPATION OF ANY PERSON ON 	TROJECT ADDRESS.	REMINGT						
	 THE CONTRACTOR ASSOMES ALL RISKS TO FERSONS, FROMERENCE AND DELETES IN THE THE WORK DOE TO THE FARTION OF ANT FERSON ON THE PROJECT CONSTRUCTION SITE, OR PROVIDING WORK TO BE INCORPORATED WITHIN THE PROJECT THAT DOES NOT READ, SPEAK AND HAVE A REASONABLE UNDERSTANDING OF THE ENGLISH LANGUAGE AS IT PERTAINS TO THE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF ALL PERSONS ON THE PROJECT CONSTRUCTION SITE. THEREFORE IT IS HIGHLY 		FAUQUIE	R, COU	NTY, VIRO	GINIA			
	RECOMMENDED THE CONTRACTOR PROVIDE WHEN ANY NON ENGLISH LANGUAGE SPEAKING PERSON IS INVOLVED IN THE WORK A TRANSLATOR FLUENT IF BOTH THE ENGLISH LANGUAGE AND THE LANGUAGE OF PERSONS THAT MAY NOT OTHERWISE UNDERSTAND THE ENGLISH LANGUAGE.	BUILDING OWNER:	REMING		MMUNIT	Y PARTNERSHIP			
	ARCHITECT'S CODE COMPLIANCE ANALYSIS:		MARY RC						
	VIRGINIA UNIFORM STATEWIDE BUILDING CODE - USBC		P. O. BO	_		774			
	ALL CONSTRUCTION SHALL MEET THE MINIMUM REQUIREMENTS INDICATED HERE EXISTING WOOD FRAMED STRUCTURE - NOT SPRINKLER PROTECTED - CIRCA 1919		REMINGT	UN, VIN	GINIA 22	./ 34			
	ALL WORK ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH APPLICABLE FEDERAL CODES, THE 2018 INTERNATIONAL BUILDING CODE, AS ADOPTED AND AMENDED BY THE COMMONWEALTH OF VIRGINIA (THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE "USBC,"2018 EDITION) AND THE 2018 INTERNATIONAL MECHANICAL CODE (IMC), 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), ALL AS ADOPTED AND AMENDED BY THE	ENERGY CONSERVATION -	OPAQUE THERMAL	ENVELO	PE REQ	IECC TABLE 402.2	WALL ARE/		
	COMMONWEALTH OF VIRGINIA; THE AMERICAN NATIONAL STANDARD (ICC/ANSI A117.1-2009 AS REFERENCED IN THE 2018 IBC); AND ALL APPLICABLE FAUQUIER COUNTY, VA ORDINANCES AND LAWS. ANY CONFLICTS BETWEEN THE VARIOUS CODES SHALL BE INTERPRETED AND ENFORCED ACCORDING TO THE MORE RESTRICTIVE CODE PROVISION OF THE VARIOUS CODES.	CLIMATE ZONE 4 (EXCEPT MARINE)					GROSS BUILDI WALLS		WINDC
	CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION 302 - CLASSIFICATION	ROOF REFLECTANCE & EMITTANCE	3-YEAR AGED SOLAR REFLE 3-YEAR AGED EMITTAN			ED REFLECTANCE INDEX - 64 AR REFLECTANCE INDEX - 82	NORTH WALL	224	2
	302.1 CLASSIFICATION_GENERAL - MUSEUM = ASSEMBLY 303.1.1 SMALL BUILDINGS AND TENANT SPACES LESS THAN 50 PERSONS (31 ACTUAL)_USE CROUP 'B' APPLIES					BUCKINGHAM SLATE ROOF AR REFLECTANCE INDEX - 0.10	SOUTH WALL	224	1
	CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS 503 GENERAL HEIGHT & AREA LIMITATIONS shall not exceed limits in table 503 except as modified hereafter	ROOF ASSEMBLIES (R-VALUE)	INSULATION BETWEEN CODE REQD. PR	FRAMING OVIDED		FINUOUS INSULATION E REQD. PROVIDED			
	TABLE 503 TYPE VB STORIES ALLOWED = 1 DESIGNED # STORIES = 1	ATTIC AND OTHER		-39.23		VA NA	WEST WALL	554	3
	AREA ALLOWED = 6,000 SQ. FT. PER FLOOR ACTUAL AREA PER FLOOR - FIRST FLOOR = 1,184 SQ. FT. CHAPTER 6 - TYPES OF CONSTRUCTION		R10 24"+				EAST WALL	554	4
	TABLE 601 RATINGS FOR BUILDING ELEMENTS REQUIRED IN HOURSPRIMARY STRUCTURAL FRAME REQUIRED = 0DESIGNED = 0	ABOVE-GRADE WALLS (R-VALUE) OPAG	•		FRAMING			1,556	
	BEARING WALLS REQUIRED = 0 DESIGNED = 0 HR NONBEARING WALLS AND PARTITIONS REQUIRED = 0 DESIGNED EXTERIOR = 0 DESIGNED INTERIOR = 0 DESIGNED INTERIOR = 0 FLOOR CONSTRUCTION REQUIRED = 0 DESIGNED = 0	WOOD FRAMED - U=0.064 req 0.045 PRON R-VALUE CAVITY + CONTINUOUS		CODE REQD. R-13+R 3.80			GROSS WALL / GROSS WINDO	OW & DOOF	
	ROOF CONSTRUCTION REQUIRED = 0DESIGNED = 0602 - CONSTRUCTION CLASSIFICATION	or R-VALUE CAVITY		or R-20 U-0.064	R-21.79 U-0.045		PERCENTAGE (THEREFORE =		
	602.5 TYPE "VB" - STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS = ANY MATERIALS PERMITTED BY THE CODE TABLE 602 RATINGS FOR EXTERIOR WALLS BASED ON SEPARATION			SEE CALCUL	ATION BELOV	V	DEFAULT GLA	ZED FENESTI	RATION
	NORTH, SOUTH, EAST & WEST WALLS = EQUAL TO OR GREATER THAN 30' SEPARATION = 0 FIRE RESISTANCE RATING CHAPTER 8 - FINISHES						NONMETAL O	R METAL CL	.AD C
	TABLE 803.13 WALL AND CEILING FINISH BY OCCUPANCY = GROUP B USE EXIT PASSAGEWAYS, NONE EXISTING ROOMS AND ENCLOSED SPACES, NON SPRINKLERED = FINISH C								-
	SECTION 804 - INTERIOR FLOOR FINISH - GROUP B USE 804.1 EXCEPTION FLOOR FINISHES SUCH AS WOOD								
	806.7 INTERIOR TRIM = CLASS C & NOT TO EXCEED 10 PERCENT OF THE SPECIFIC WALL AREA CHAPTER 9 - FIRE PROTECTION SYSTEMS								
	SECTION 907 FIRE ALARM AND DETECTION SYSTEMS 907.2 WHERE REQUIRED								
	907.2.1 GROUP A THE GROUP 'A' OCCUPANT LOAD IS LESS THAN 300 PERSONS - FIRE ALARM AND DETECTION SYSTEM NOT REQUIRED. CHAPTER 10 - MEANS OF EGRESS	GLAZED FENESTRATION & E	DOORS - IECC TABLE	: C303.1.	. , . ,	AS PROVIDED			
	TABLE 1004.1.2 - MAXIMUM AREA ALLOWANCE PER OCCUPANT TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT EXHIBIT GALLERY AND MUSEUM = 1 PER 30 NET SQ. FT. OCCUPIED AREA	FRAME TYPE	SINGLE PANE DOUBLE PA 1.20 1.20		DOUBLE	OR NOT APPLICABLE (NA)			
	ASSEMBLY AREA NET WHITE WAITING = 118 SQ. FT. = 4 OCCUPANTS ASSEMBLY AREA NET - COLORED WAITING = 101 SQ. FT. = 4 OCCUPANTS OFFICE AREA NET = 185 SQ. FT. = 7 OCCUPANTS	METAL METAL WITH THERMAL BREAK	1.10 1.20	1.20	1.20	NA			
	ASSEMBLY AREA NET - FREIGHT ROOM = 670 SQ. FT = 23 OCCUPANTS TOTAL AREAS = 1074 SQ. FT OCCUPANTS = 38 TOTAL SECTION 105 MEANS OF EGRESS SIZING	NON METAL OR METAL CLAD GLAZED BLOCK	0.95 1.20 0.60 1.20	1.20 1.20	1.20 1.20	NA NA	SPA	ACE INTE	entic
	1005.3.1 STAIRWAYS - NONE USED 1005.3.2 OTHER EGRESS COMPONENTS	DOOR				AS PROVIDED			
	EGRESS WIDTH (INCHES PER OCCUPANT) WITHOUT SPRINKLER SYSTEM OCCUPANCIES OTHER THAN THOSE LISTED BELOW	FRAME TYPE METAL	SINGLE PANEDOUBLE PA1.201.20	NE SINGLE 1.20	DOUBLE 1.20	OR NOT APPLICABLE (NA) NA			
	ASSEMBLY OCCUPANTS = 31 (THEREFORE BUSINESS 'B' OCCUPANCY APPLIES) OTHER EGRESS COMPONENTS = 0.2 " PER OCCUPANT OCCUPANTS TOTAL = $31 \times 0.2 = 0.62$ " MINIMUM CLEAR DOORWAY TOTAL REQUIRED	METAL WITH THERMAL BREAK NON METAL OR METAL CLAD	1.101.200.951.20	1.20 1.20	1.20 1.20	NA NA			
	PROVIDED = 33" CLEAR OPENING PER DOOR LEAF = 33" PROVIDED = 83" CLEAR OPENING PER DOOR LEAF = 83"	GLAZED BLOCK	0.60 1.20	1.20	1.20	NA			
	TOTAL WIDTH MEETS MINIMUM EGRESS COMPONENT. SECTION 1008 - MEANS OF EGRESS ILLUMINATION 1008.1 ILLUMINATION REQUIRED - PROVIDED								
	SECTION 1009 - ACCESSIBLE MEANS OF EGRESS 1009.1 ONE ACCESSIBLE MEANS OF EGRESS REQUIRED - PROVIDED SECTION 1010 - DOOR, GATES AND TURNSTILES	HISTORIC WALL -	ENERGY EFFI	CIEN	ĹΥ	STRUCTURAL DESIC IBC TABLE 1607.1 REQUIRED		KEQUIKE	ED&F
	MINIMUM CLEAR OPENING WIDTH 32" - 34" PROVIDED SECTION 1011 - STAIRWAYS - NONE USED SECTION 1012 - RAMPS	ENERGY CALCULATIONS:				MINIMUM UNIFORMLY DISTRIBUTED LIVE I 4. ASSEMBLY AREAS		NCENTRATED LIVE L	LOADS
	MAXIMUM SLOPE IN DIRECTION OF TRAVEL - 1:12 - RAMPS PROVIDED SLOPE LESS THAN 1:12 PROVIDED = UP 1'- 9" IN 24'- 0" = 0.7625% SLOPE	U WALL = AIR, STILL, INTERIO 3/4" TOUNGE & G	R .68	WITHOUT 15	MPH AIR	MOVABLE SEATS 100PSF PLATFORMS 100 PSF 7. CORNICES 60 PSF			
	PROVIDED = UP 1'-10 5/8" IN 24'- 0" = 1.89' IN 24'- 0" = 0.7875% SLOPE SECTION 1013 EXIT SIGNS EXCEPTION: EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS	4" INSULATION 3/4" SUB SIDING 3/4" SHIPLAP SIDI	18.29 .94			15. HANDRAILS GUARDS AND AND GRAB BA		50 PLF APPLIED IN ANY D 200# SINGLE CONCENTI 50 PSF INCLUDING OPEN	TRATED LOAD
	SECTION 1014 HANDRAILS FOR RAMPS - PROVIDED SECTION 1015 GUARDS	AIR @ 15 MPH	R = 21.96 R = 21	70		26. ROOFS ORDINARY PITCHED NOT O ALL OTHEI	OCCUPIABLE R PRIMARY ROOF MEMBERS	20 PSF 300# CONCENTRATED	
	ALONG OPEN SIDED WALKWAY & RAMPS - PROVIDED SECTION 1017 EXIT ACCESS TRAVEL DISTANCE		U = 1/R = .046 $U = 1/$			WIND SNOW	HERE APPLICABLE SNOW AND EARTHQ	90 MPH, 20# PSF 30 PSF	
	TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE OCCUPANCY B WITHOUT SPRINKLER = 200' SECTION 1028 - EXIT DISCHARGE					35. YARDS AND TERRACES - PEDESTRIAN		100 PSF	
	EXITS DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING SECTION 1104, 1105, 1106 ACCESSIBLE ROUTE, ENTRANCES & PARKING (BUILDING WILL NOT BE OCCUPIED AT COMPLETION OF THIS PROJECT - A FUTURE PROJECT WILL INCLUDE INTERIOR RESTORATION, SITE WORK AND PARKING								
	ACCESSIBLE ROUTES WITHIN THE SITE SHALL BE PROVIDED AT FUTURE CONSTRUCTION STAGES CHAPTER 16 - STRUCTURAL DESIGN					OCCUPANO	V DED		8. TI
	EXISTING BUILDING STRUCTURE ORIGINALLY BUILT PRE 1919 WITH STRUCTURE REMAINING SUBSTANTIALLY UNCHANGED FOR 100 YEARS SECTION 1607 - LIVE LOADS IN POUNDS PER SQUARE FOOT TABLE 1607.1 - SEE DRAWING N-2 - ANALYSIS PLAN						VAITING OCCUPANCY =		
	TABLE 1607.1 - 4. ASSEMBLY AREAS OTHER ASSEMBLY AREAS = 100 LB LIVE LOAD					COLORED WAITING = 101 SQ. FT.	WAITING OCCUPANCY =4	ł	
						OFFICE = 185 SQ. FT. FREIGHT ROOM = 670 SQ. FT. = FREIGH	OFFICE OCCUPANCY = $\frac{1}{2}$		
							TROOM OCCUPANCY = 2 TOTAL OCCUPANCY = 3		
1					l I				





VENTILATION AIR REQUIREMENTS

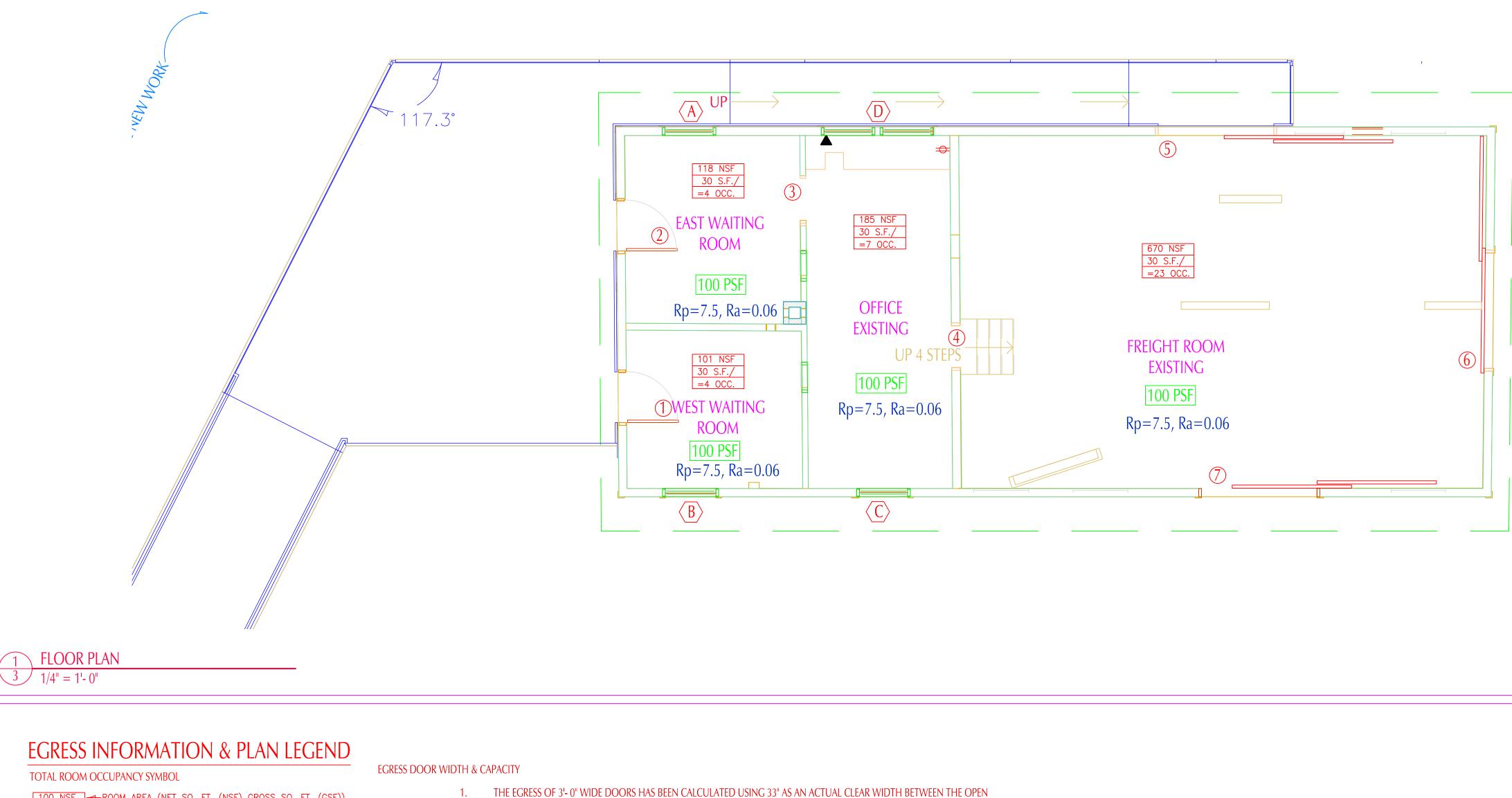
East Waiting Room, 4 occupants $V_{bz} = R_p x P_z + R_a x A_z$ $V_{bz} = 7.5 x 4 + 0.06 x 118$ $V_{bz} = 37.08$ cfm Required Natural ventilation via operable windows

West Waiting Room, 4 occupants $V_{bz} = R_p x P_z + R_a x A_z$ $V_{bz} = 7.5 x 4 + 0.06 x 101$ $V_{bz} = 36.06$ cfm Required Natural ventilation via operable windows

Office, 7 occupants $V_{bz} = R_p \times P_z + R_a \times A_z$ $V_{bz} = 7.5 \times 7 + 0.06 \times 185$ $V_{bz} = 63.6 \text{ cfm}$ Required Natural ventilation via operable windows

Freight Room, 23 occupants $V_{bz} = R_p \times P_z + R_a \times A_z$ $V_{bz} = 7.5 \times 23 + 0.06 \times 670$ $V_{bz} = 182.7$ cfm Required Natural via doors & Mechanical ventilation

		DOOF	R SCHEDULE:						
		Num.	Material	Constructio	n Size/Leaf	Frame	Glass	Finish	Notes
	TOTAL CFM VENTILATION AIR	1	STEEL INSL	PANEL	3'-0" X 7'-0"x1-3/4"	STEEL	-	PAINT	FLUSH STEEL W/ SADDLE, BOTTOM SWEEP & WEATHERSTRIP
	East Waiting Room 37.08	2	WOOD SC	PANEL	3'-0" X 7'-0"x1-3/4"	STEEL	-	PAINT	-
	West Waiting Room 36.06	3	ALUMINUM	PANEL	6'-0" X 7'-0"x1-3/4"	ALUMINUM	-	ANOD.	KAWNEER 250 THERMAL PAIR - STOREFRONT ENTRY
	Office 63.60	4	ALUMINUM	PANEL	3'-0" X 7'-0"x1-3/4"	ALUMINUM	-	ANOD.	NANA WALL DOOR, FRAME & TRACKS
/S	Freight Room 182.70	5	ALUMINUM	CROSSBUCK	6'-0" X 7'-0"x1-3/4"	ALUMINUM	-	ANOD.	NANA WALL DOOR, FRAME & TRACKS
		6	ALUMINUM	CROSSBUCK	5'-0" X 7'-0"x1-3/4"	ALUMINUM	-	ANOD.	NANA WALL DOOR, FRAME & TRACKS
		7	ALUMINUM	PANEL	5'-0" X 7'-0"x1-3/4"	ALUMINUM	-	ANOD.	KAWNEER 250 THERMAL PAIR - STOREFRONT ENTRY
	TOTAL VENT AIR = 319 CFM								
		WIND	OW SCHEDU	JLE:					
ion	TOTAL MECHANICAL VENT AIR = 182 CFM								



100 NSF -ROOM AREA (NET SQ. FT. (NSF) GROSS SQ. FT. (GSF))

NUMBER OF OCCUPANTS AND EGRESS PATH SYMBOL

TD=?' / PATH OF EGRESS TRAVEL & LENGTH TO EXIT

EGRESS DOOR SYMBOL



TOTAL NUMBER OF OCCUPANTS THIS EXIT

- EIGHTY-THREE INCHES (83")/0.2 = 415 = 415 PERSONS.
- 3. ALL OF THE ABOVE CALCULATIONS ARE BASED ON MEANS OF EGRESS SIZING 1005.3.2 (IBC 2015)

DOOR AT 90 DEGREES AND THE OPPOSITE DOOR FRAME NEAREST POINT. THIRTY THREE INCHES (33")/0.2=165 = 165 PERSONS.

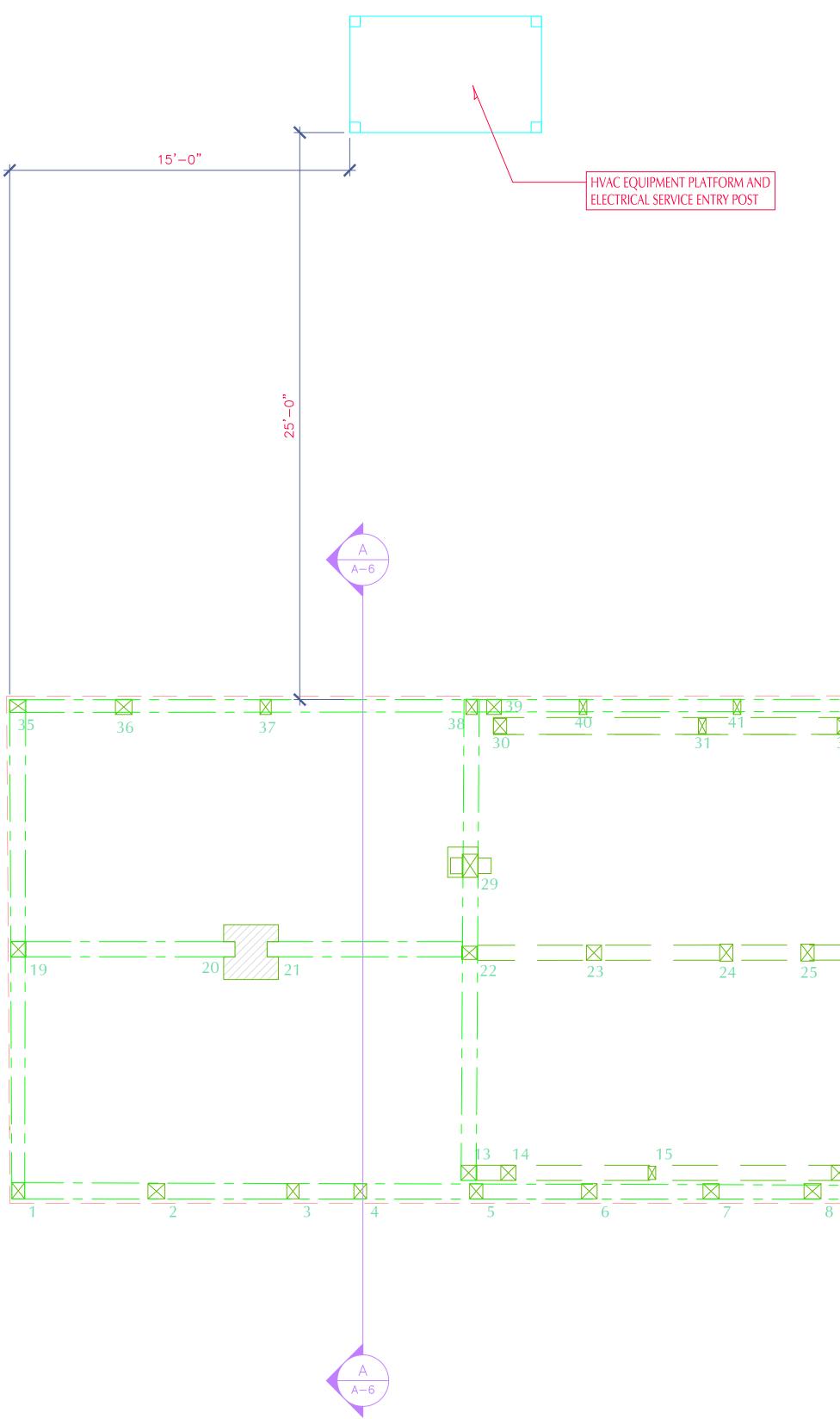
2. THE EGRESS CAPACITY OF 6'- 11" DOORS, HAS BEEN CALCULATED USING 83" AS THE ACTUAL CLEAR OPENING WIDTH

ROOF VENTILATION:

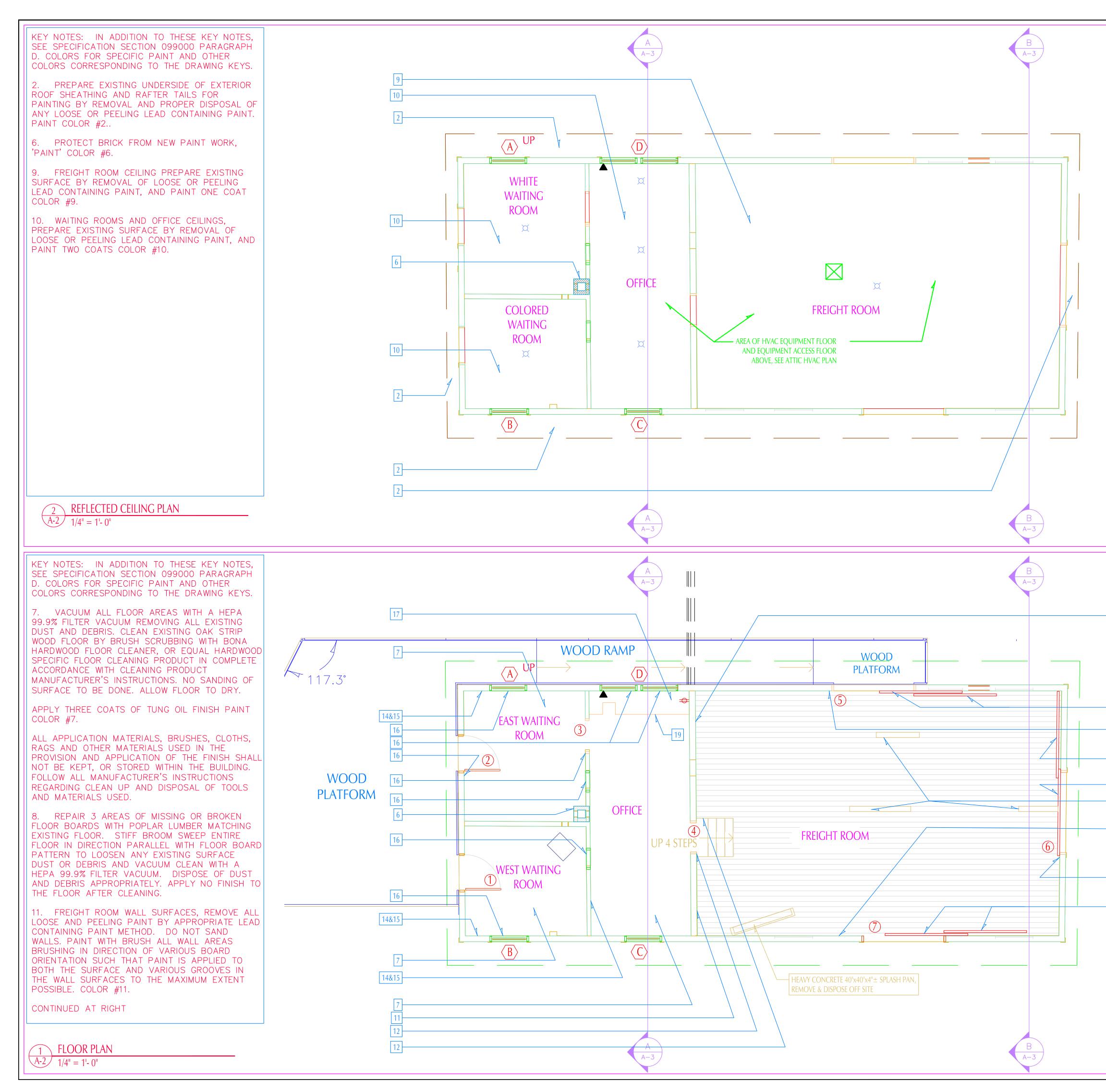
ROOF AREA = 1183 SF - VENT AREA REQUIRED = 7.88 SF EXCEPTION W/ 50% TO 80% OF VENTS 3 FEET ABOVE EAVE/CORNICE VENT VENT AREA REQUIRED = 3.94 SF

GABLE END VENT AREA PER VENT OF TWO VENTS = 1296 SQ. IN. GROSS WITH AN OPEN AREA OF 34%, OR 440 SQ. IN. AND INSECT SCREEN OPEN AREA OF 66% RESULTING IN A TOTAL FREE AREA PER VENT OF 290 SQ. IN. OR 2 SQ. FT. PER VENT. TWO VENT TOTAL = 4 SQ. FT. = ROOF VENT AREA OK.

	OCCUPANCY, EGRESS, VENTILATION & AREA UPC #111975 Project #EN09-288-115, C501 Federal Project TEA-030-7(047)	- REHABILITATION
	REMINGTON COMMUNITY PARTNERSHIP P.O. BOX 278 REMINGTON, VA 22734 UPC #111975 Project #EN09-288-7	REMINGTON, VA - FREIGHT DEPOT
BUILDING AREA, INCLUDING UNDER ROOF = 1447' SF NET BUILDING OCCUPANCY TOTAL = 284 DIAGONAL MEASUREMENT OF BUILDING = 57'-5" EXIT SEPARATION MEASUREMENT = 33'-3" = OK	JFT-A JAMES F. TUCKE ARCHITEC A PROFESSIONA LIMITED LIABILITY CO. 15 SOUTH FIFTH 1 WARRENTON, VIRGIN 540-347-345 jftaia.com	R, AIA, T I MPANY STREET NIA 20186 1 SHEET
	640-2 FILE 640-2-MD-17-CD56 DATE 10-10-22 DRAWING NUMBER N-2	3 of 27



B A-6	$ \begin{array}{c} \hline \\ \hline $	B	
JAMES F. TUCKER, AIA, ARCHITECT A PROFESSIONAL LIMITED LIABILITY COMPANY 15 SOUTH FIFTH STREET WARRENTON, VIRGINIA 20186 540-347-3451 jftaia.com PROJECT 640-2 D222 FILE 640-2-MD-17-CD56 DATE 10-10-22 DRAWING NUMBER A-1	FOUNTY PARTNERSHIP P.O. BOX 278 P.O. BOX 278 P.O. BOX 278 FOUN VA 22734 FOUN CANNGTON, VA 22734 FOUN	FOUNDATION PLAN - EXISTING - FOR REFERENCE ONLY UPC #111975 Project #EN09-288-115, C501 Federal Project TEA-030-7(047) A - FREIGHT DEPOT - REHABILITATION	DRAWN BY: JFT Revised BY: CHECKED BY:



	DRAWN BY: JFT REVISED BY: CHECKED BY:	
12'	FLOOR PLAN & REFLECTED CEILING PLAN UPC #111975 Project #EN09-288-115, C501 Federal Project TEA-030-7(047)	VA - FREIGHT DEPOT - REHABILITATION
OR REMOVE NG PAINT T DEBRIS OOR OR RUSH ALL S COLOR DWARE. RS AND ROM ALL AND E METAL AINT COLOR	REMINGTON COMMUNITY PARTNERSHIP P.O. BOX 278 REMINGTON, VA 22734	REMINGTON, VA
ABOVE PAINT OT AREA PAINT	JFT-A	ЛA
DARDS, DOWS AND EPARE FOR ALL TLY COATS		
ALL LOOSE OP WITH DLOR #7). NT COLOR	JAMES F. TUCKE ARCHITEC A PROFESSIONA LIMITED LIABILITY CO 15 SOUTH FIFTH WARRENTON, VIRGIN	T NL MPANY STREET
T FRAME DLOR #11.	PROJECT COPYRIGHT	
	640 FILE 640-2-MD-17-CD56 DATE 10, 10, 22	5 of
12'	10-10-22 DRAWING NUMBER	27
	· · · ·	

1' 4' 0 2' 8'

KEY NOTES CONTINUED FROM LEFT:

12. FREIGHT ROOM TRIM, INTERIOR DOOR SURFACES AND ROLLING DOOR GUARDS, REMOVE ANY LOOSE OR PEELING LEAD CONTAINING PAINT FORM SURFACES AND DISPOSE OF PAINT DEBRIS APPROPRIATELY. DO NOT SAND TRIM, DOOR OR DOOR GUARD SURFACES. PAINT WITH BRUSH ALL OF THE VARIOUS SURFACES. TWO COATS COLOR #12

13. FREIGHT ROOM ROLLING DOOR HARDWARE. CLEAN WITH WIRE BRUSHES OR SCRAPERS AND REMOVE ANY LOOSE PAINT AND RUST FROM ALL DOOR HARDWARE BRACKETS, ROLLERS AND TRACKS. PRIME ANY RUSTED AND BARE METAL SURFACES AND APPLY ONE COAT OF PAINT COLOR #13.

14. WAITING AND OFFICE ROOM WALLS, ABOVE WAINSCOT. PREPARE FOR PAINTING AND PAINT TWO COATS COLOR #14.

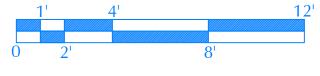
15. WAITING AND OFFICE ROOM WAINSCOT AREA OF WALLS, PREPARE FOR PAINTING AND PAINT TWO COATS COLOR #15.

16. WAITING AND OFFICE ROOM BASEBOARDS, DOORS AND WINDOWS, DOORS AND WINDOWS AND OTHER WOOD WALL MOUNTED ITEMS, PREPARE FOR PAINTING BY WET SYSTEM REMOVAL OF ALL EXISTING LEAD CONTAINING PAINT, LIGHTLY SANDING, PRIMING AND APPLYING TWO COATS COLOR #15.

17. OFFICE DESK, CLEAN AND REMOVE ALL LOOSE PAINT FROM DESK SURFACES. FINISH TOP WITH SAME OIL FINISH USED FOR FLOORS (COLOR #7). PAINT FRONT FACES OF DESK WITH PAINT COLOR #13.

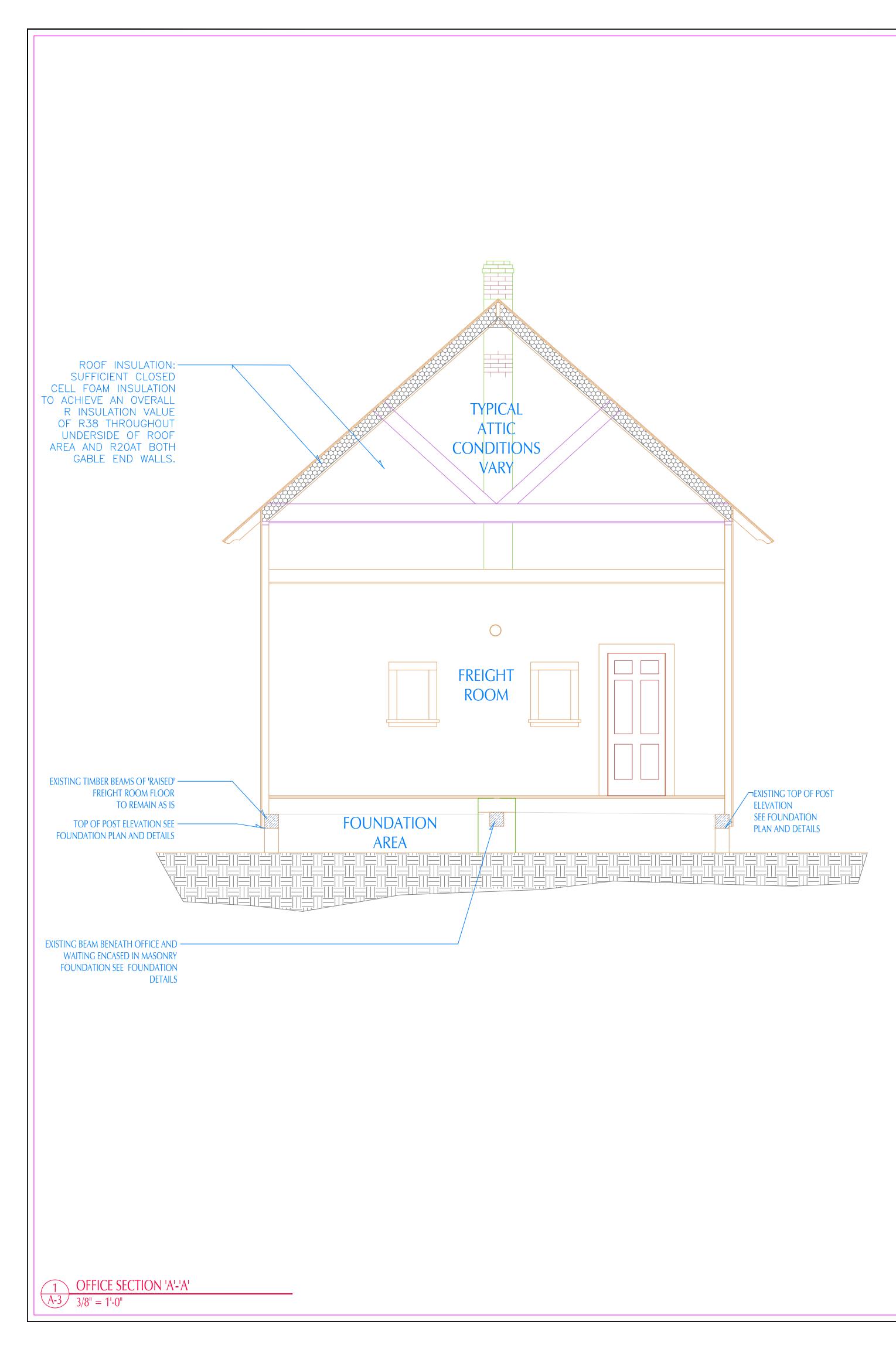
18. MESSAGE BOARD, PREP FOR PAINTING AND PAINT MESSAGE FILED COLOR #17, PAINT FRAME COLOR #15, PAINT TOP NAME PANEL COLOR #11.

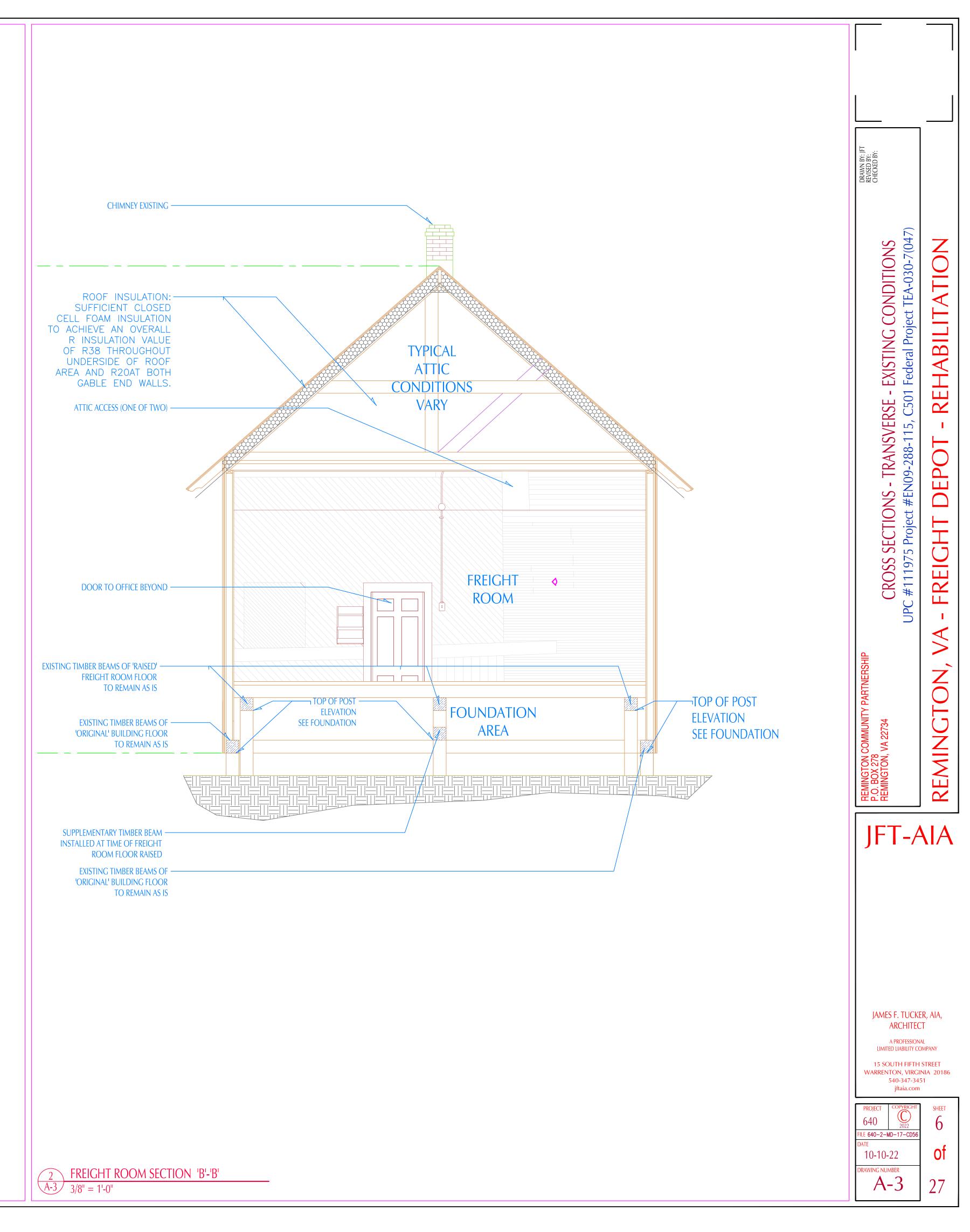
19. REPAIR OFFICE DESK BRACKET BY SECURING TO UNDERSIDE OF DESK TOP.



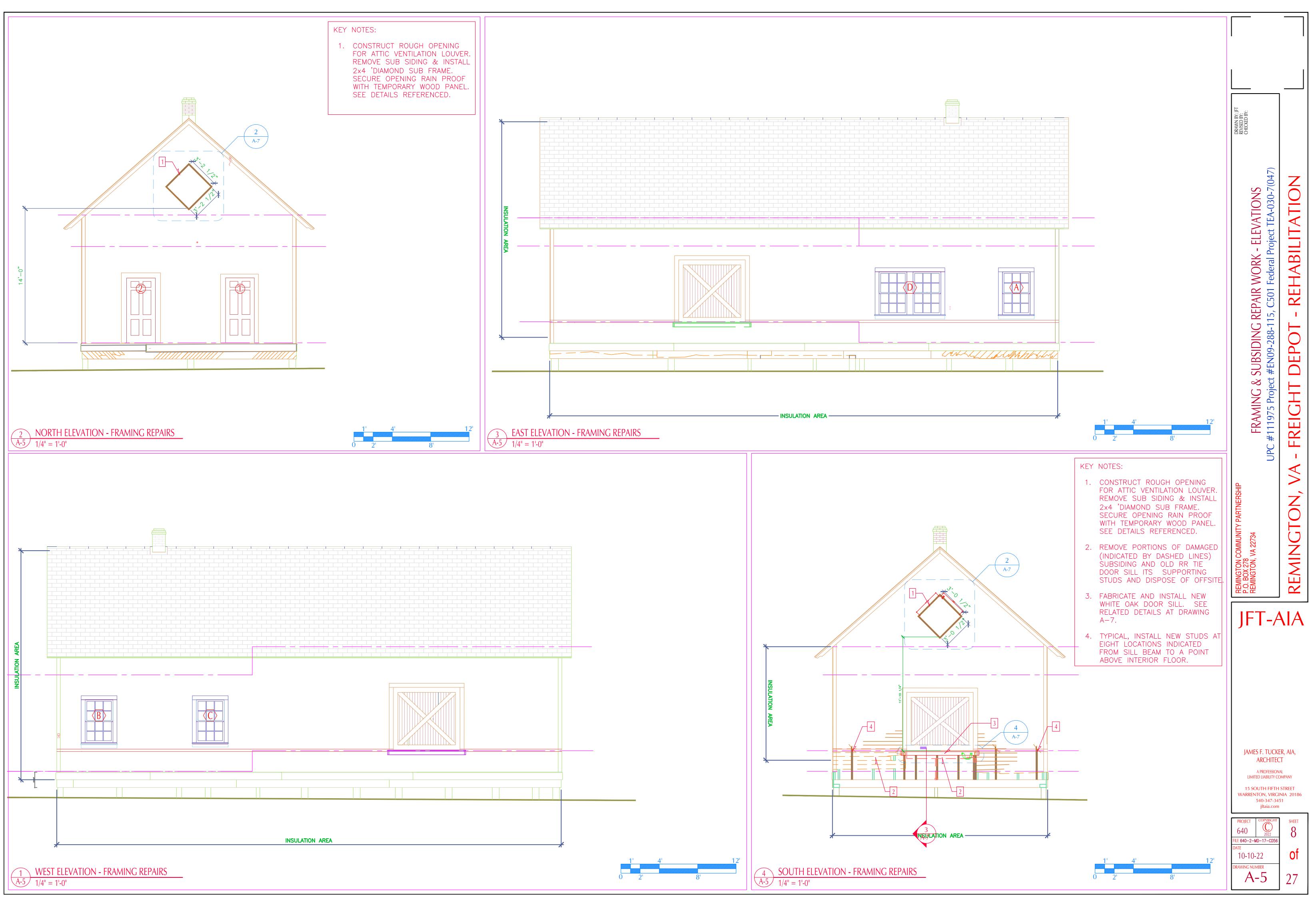
- 11

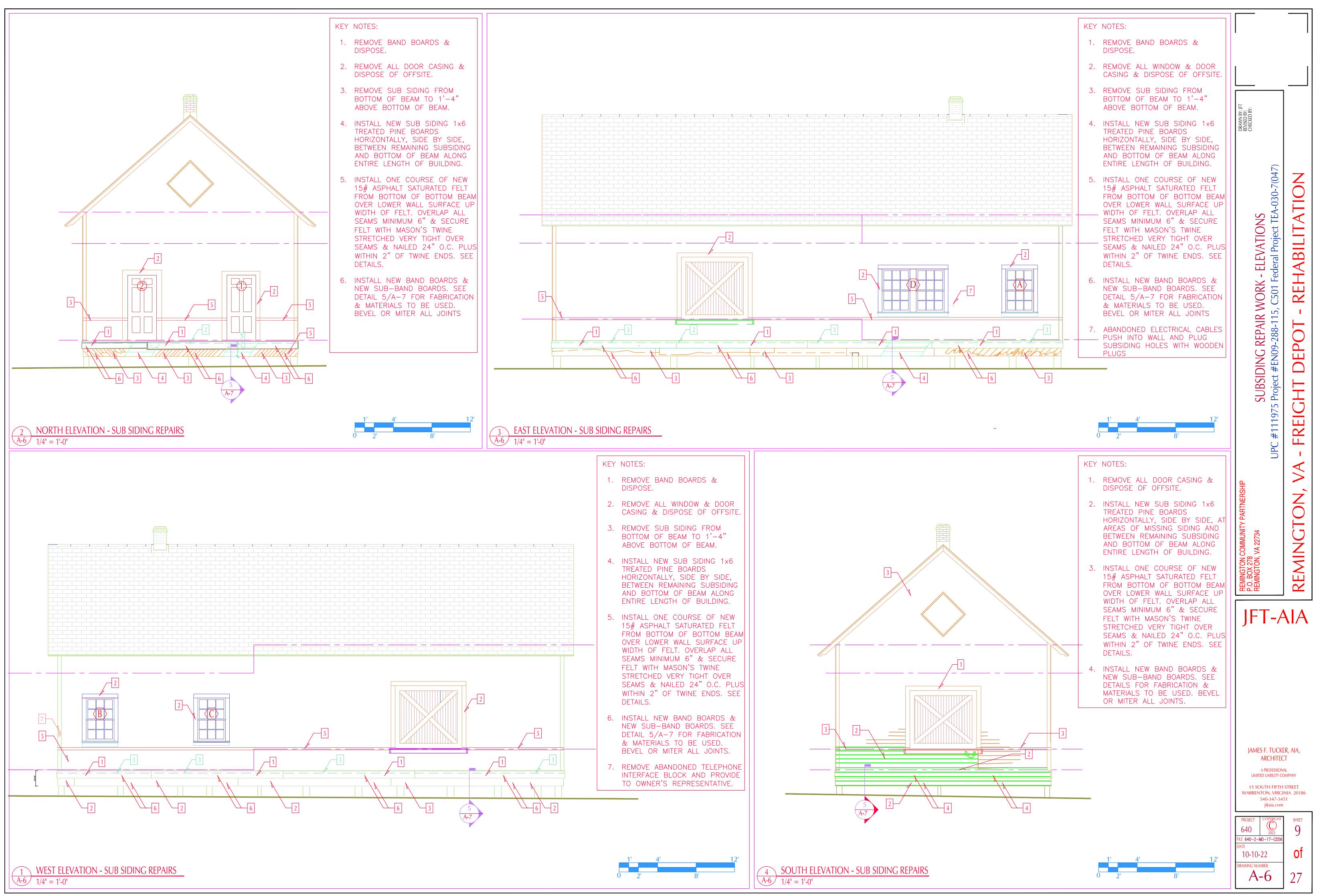
_____12 & 13 ______12 _____12 & 13 ______11 ______12 _____12 & 13

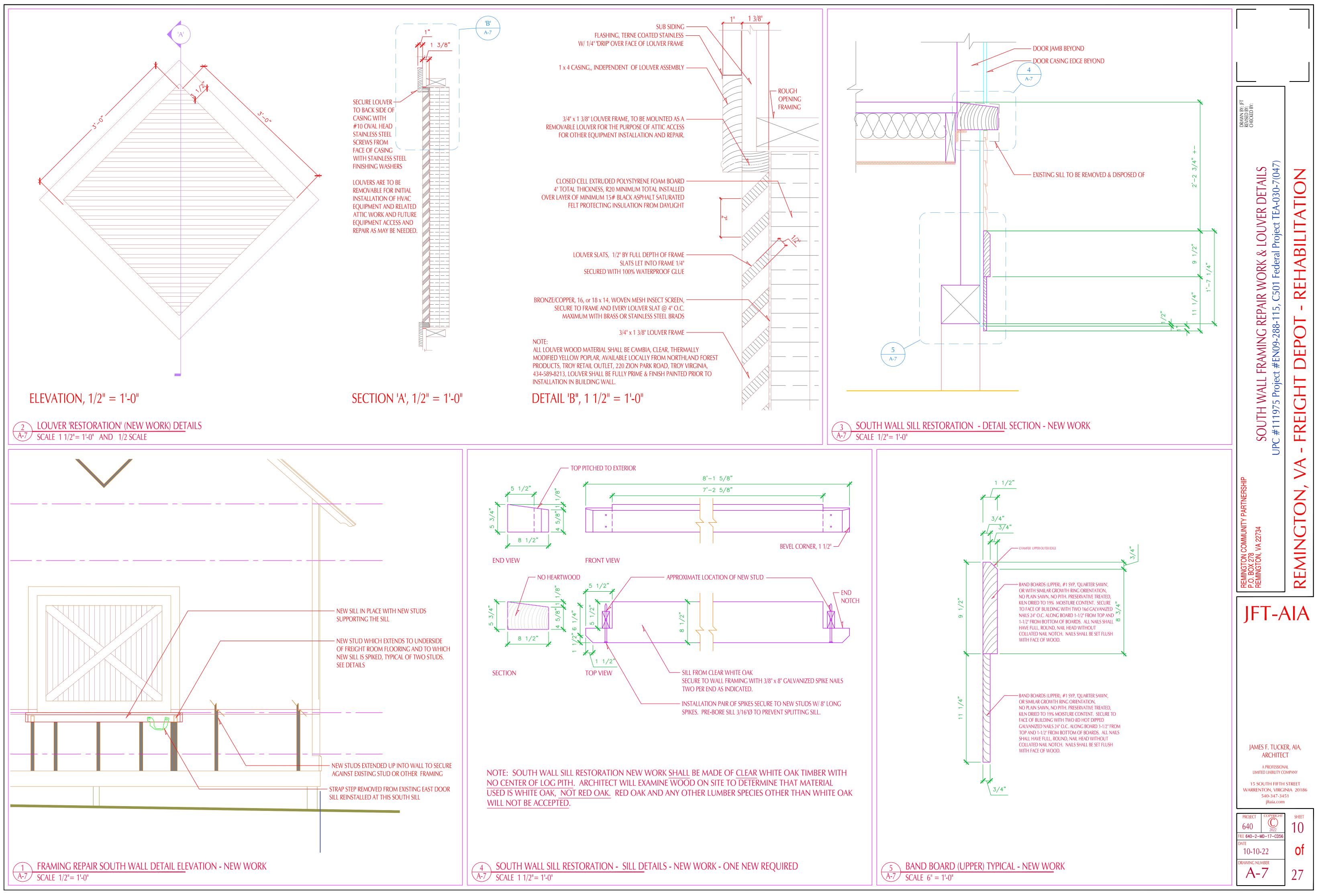


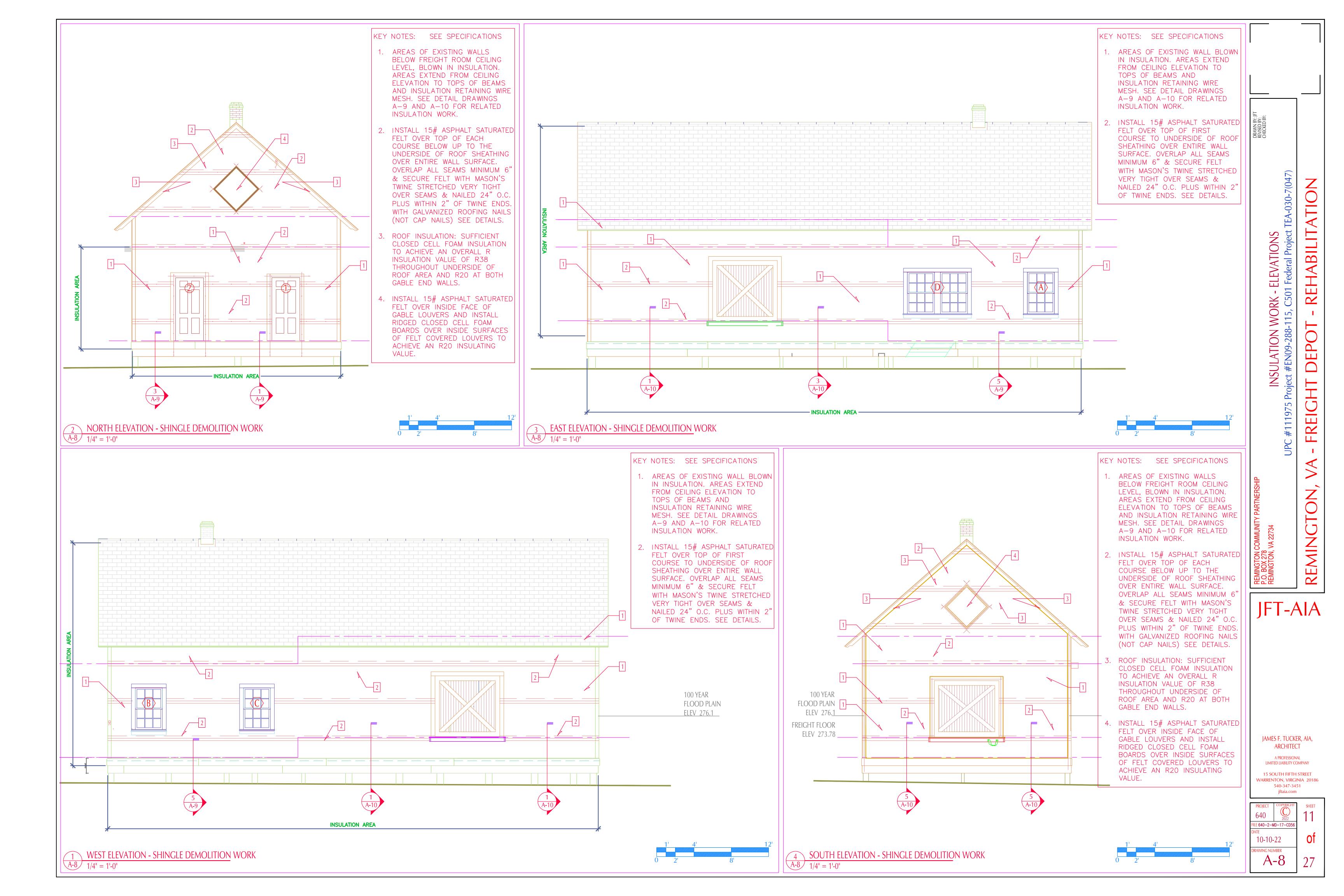


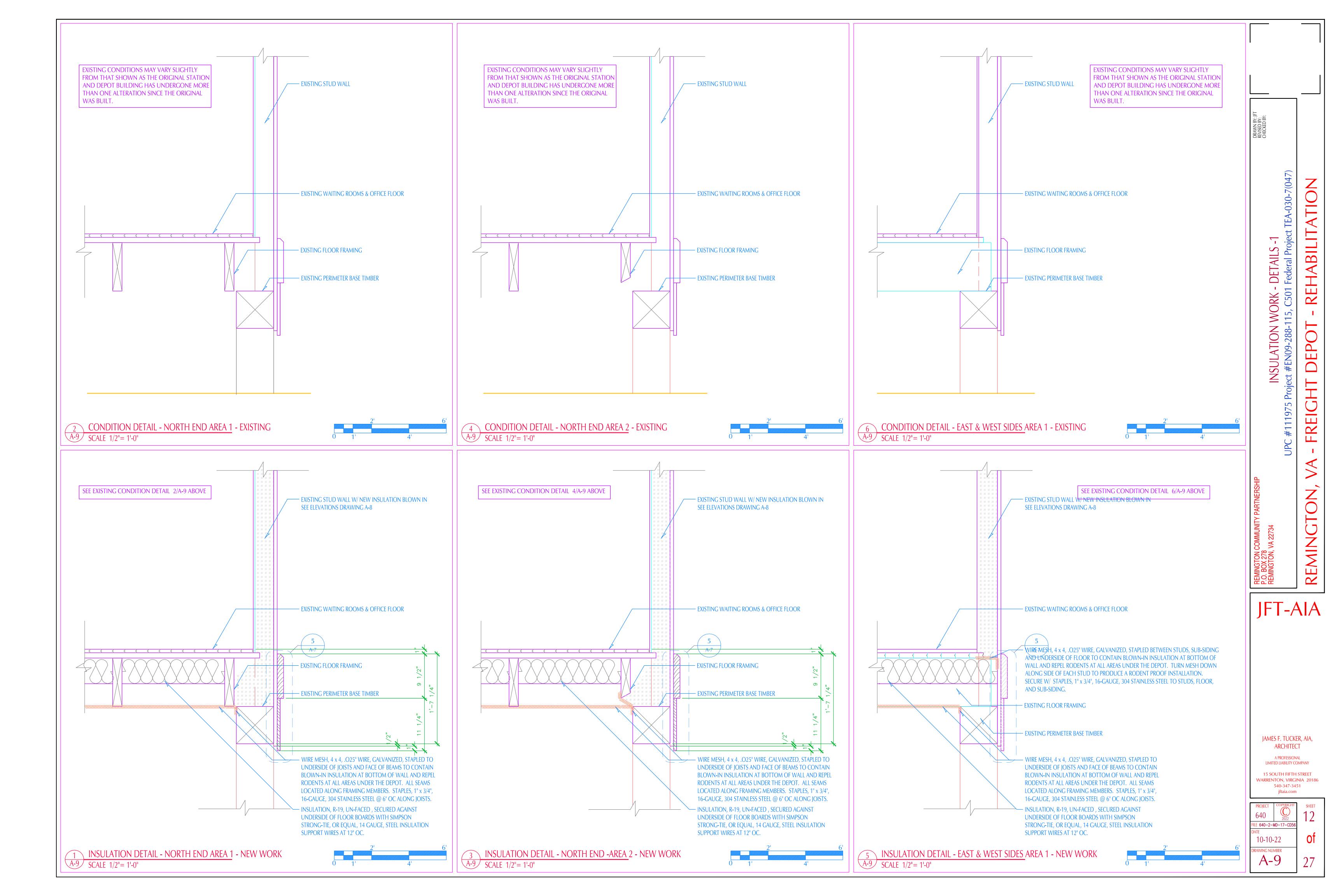


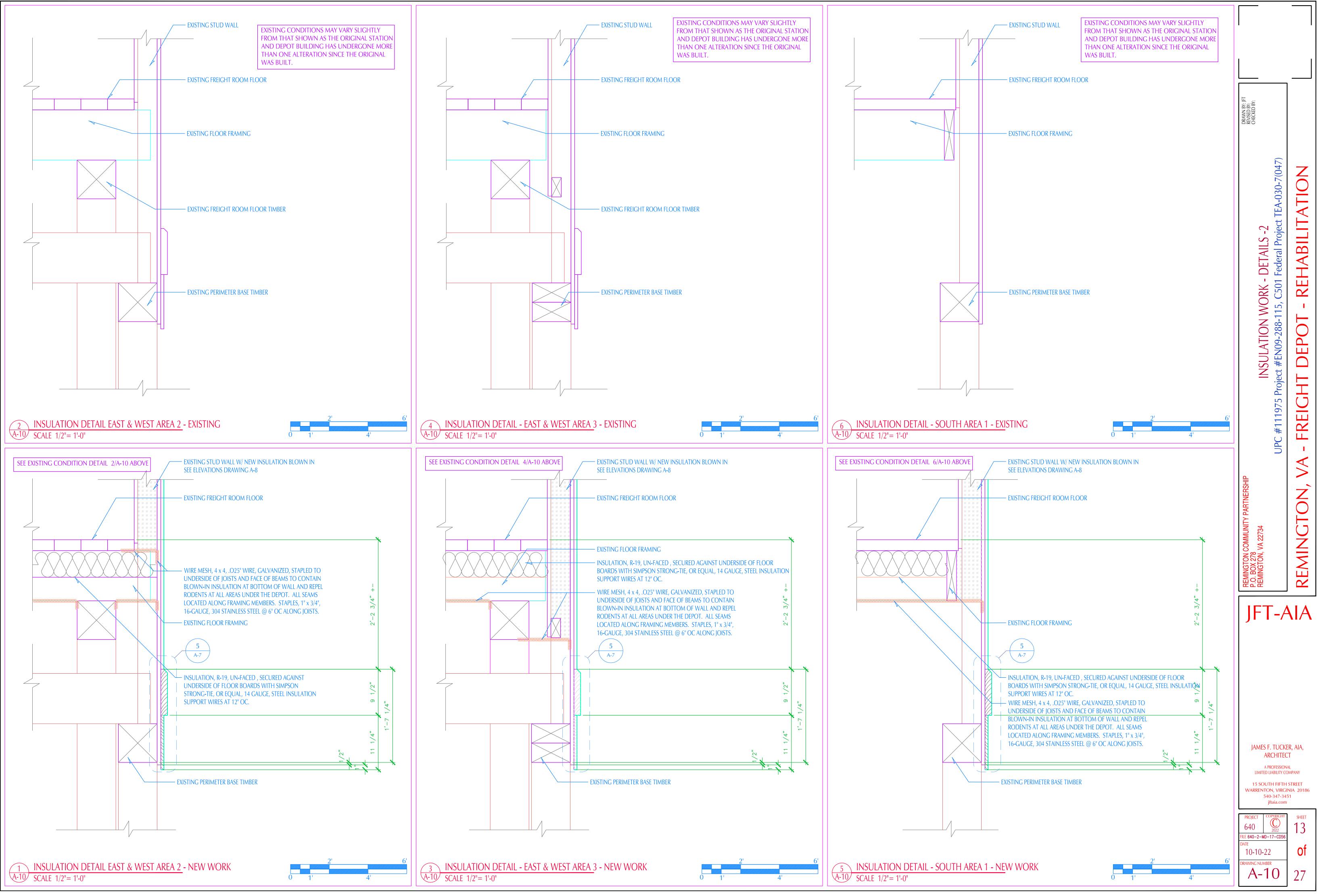


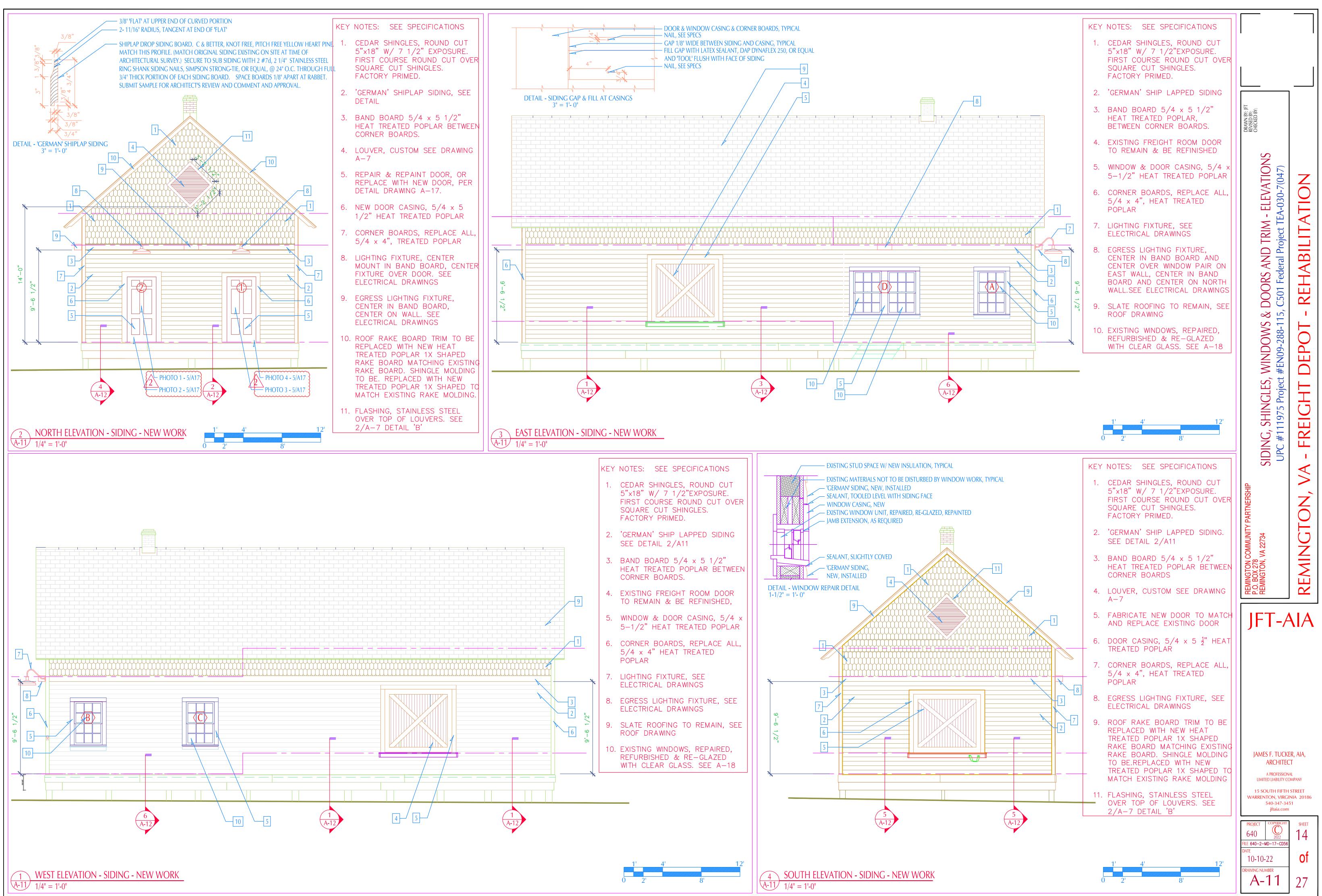


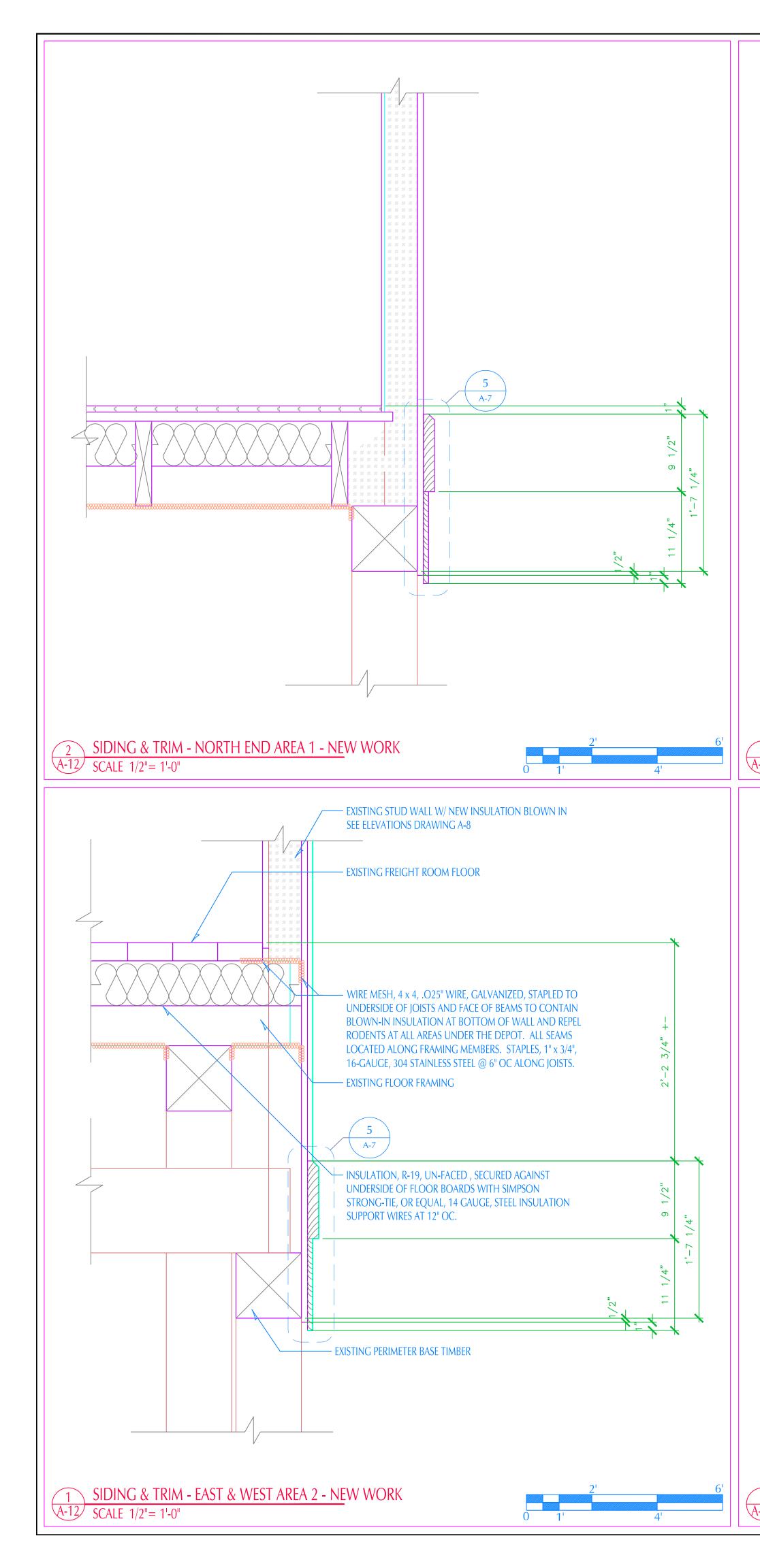


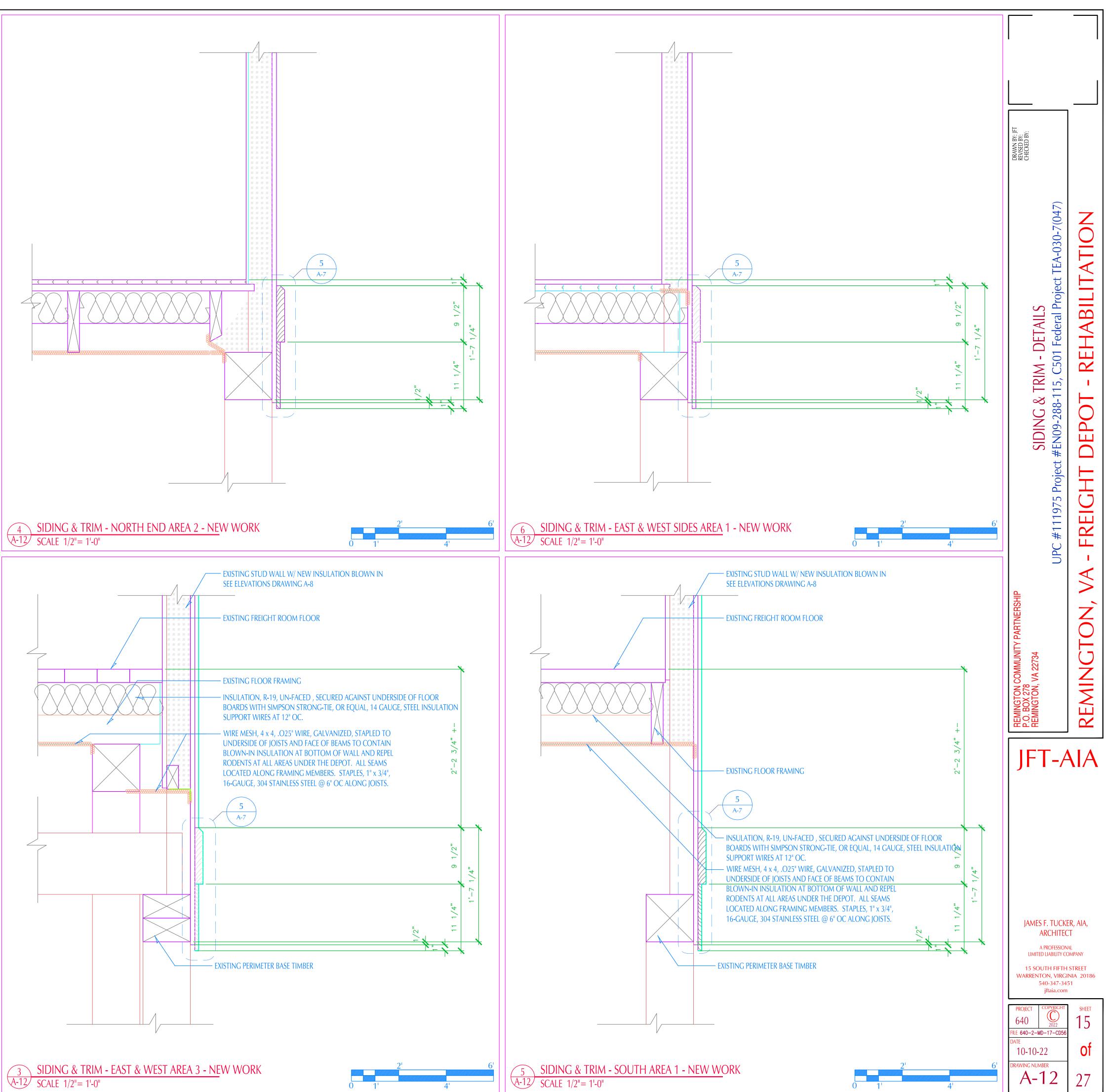


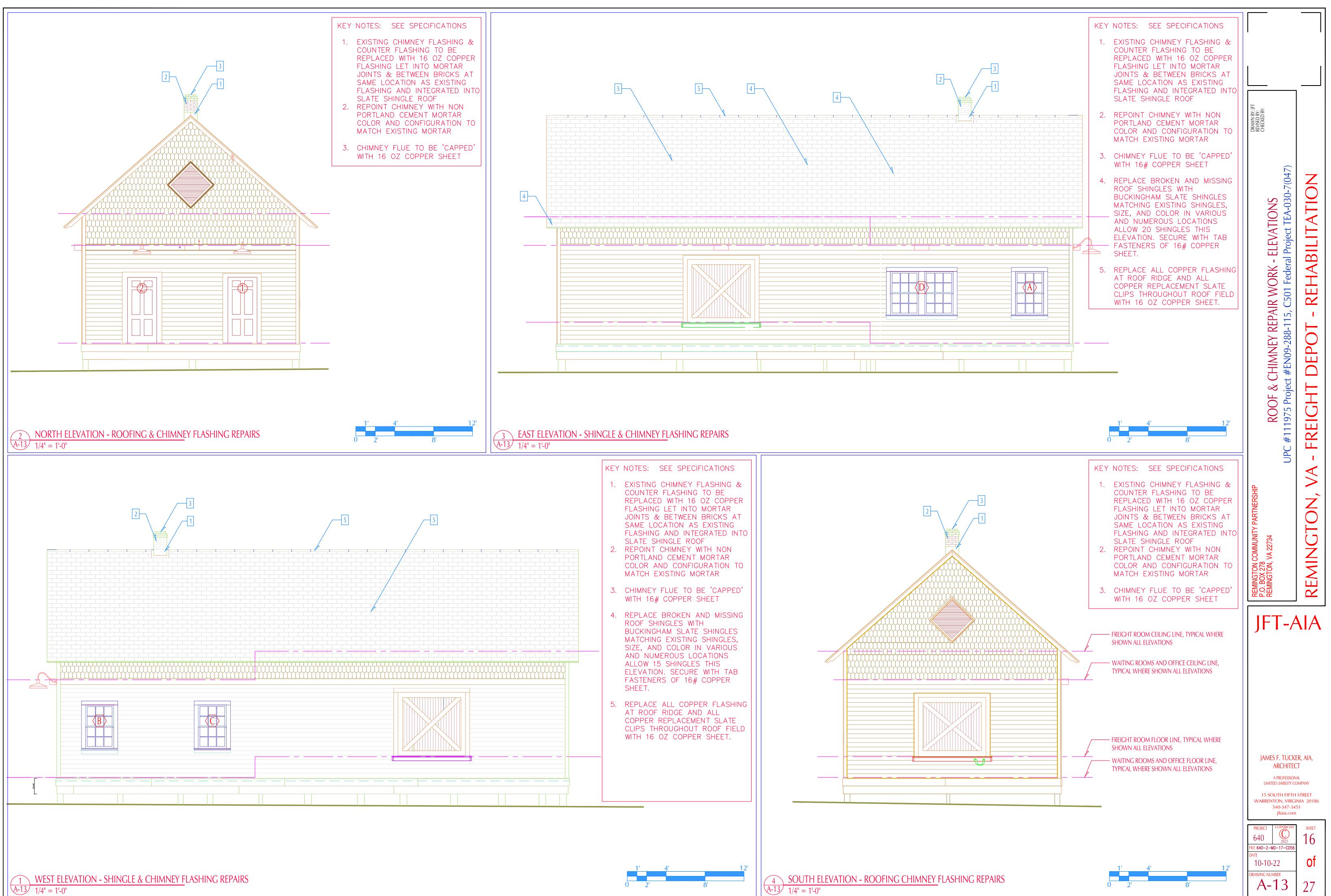


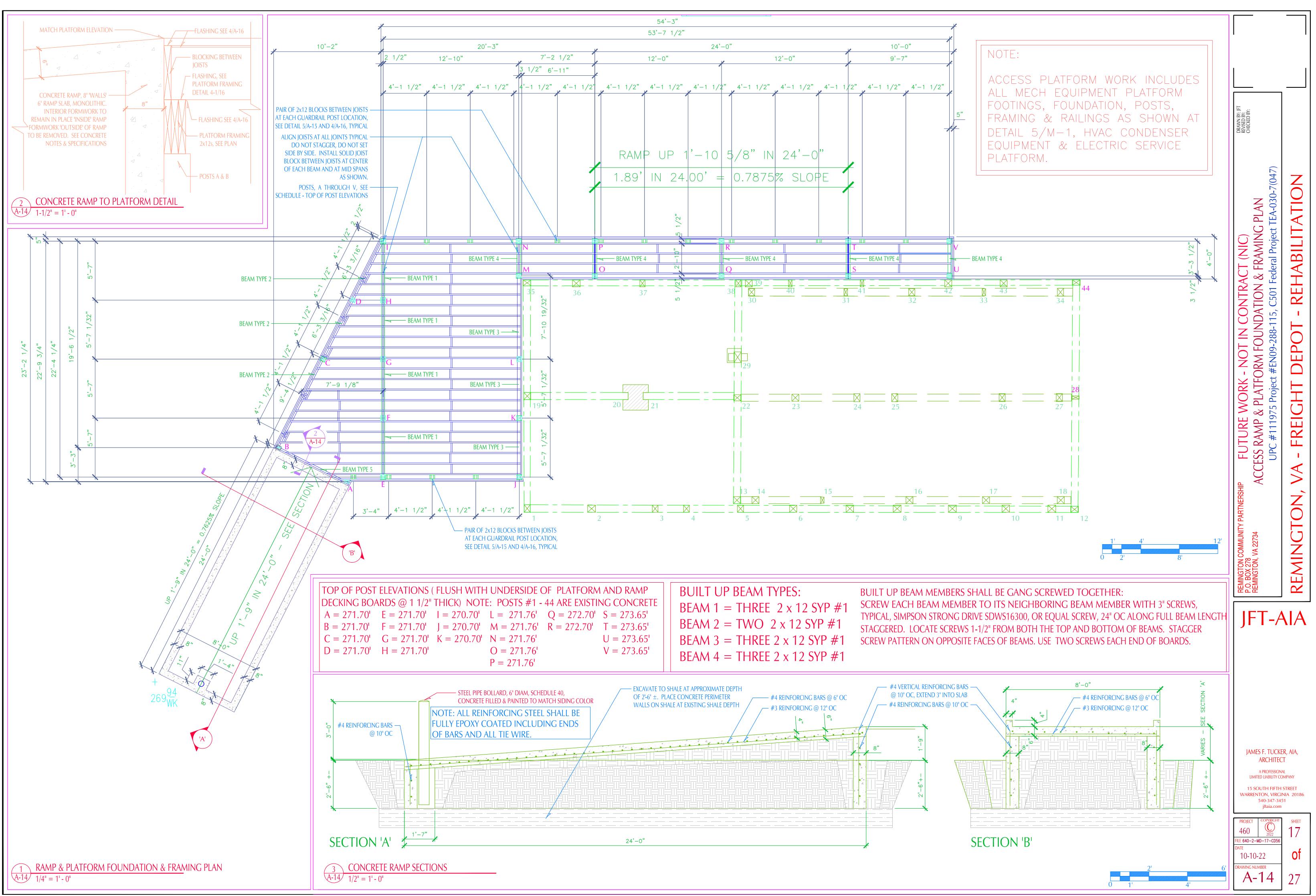


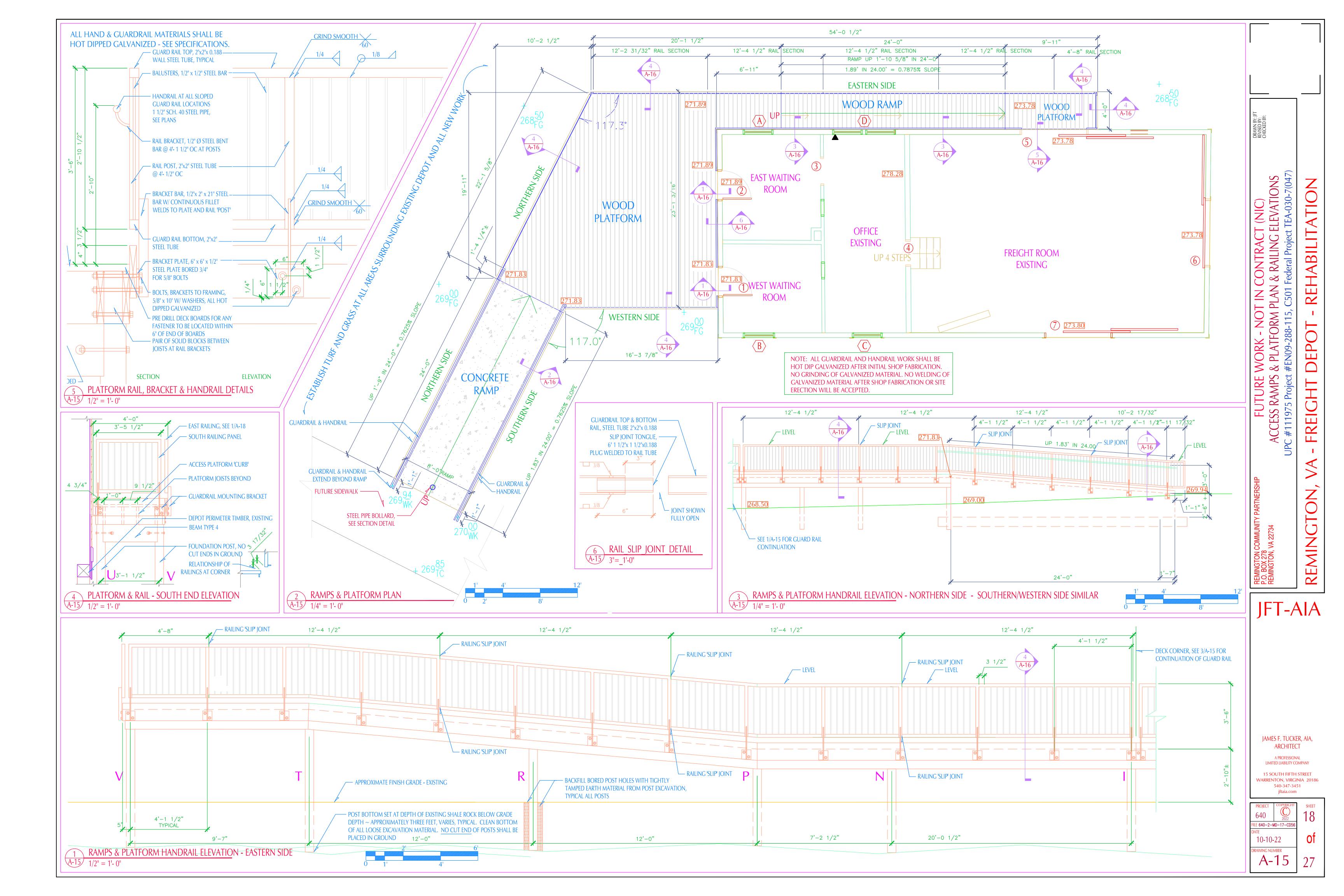


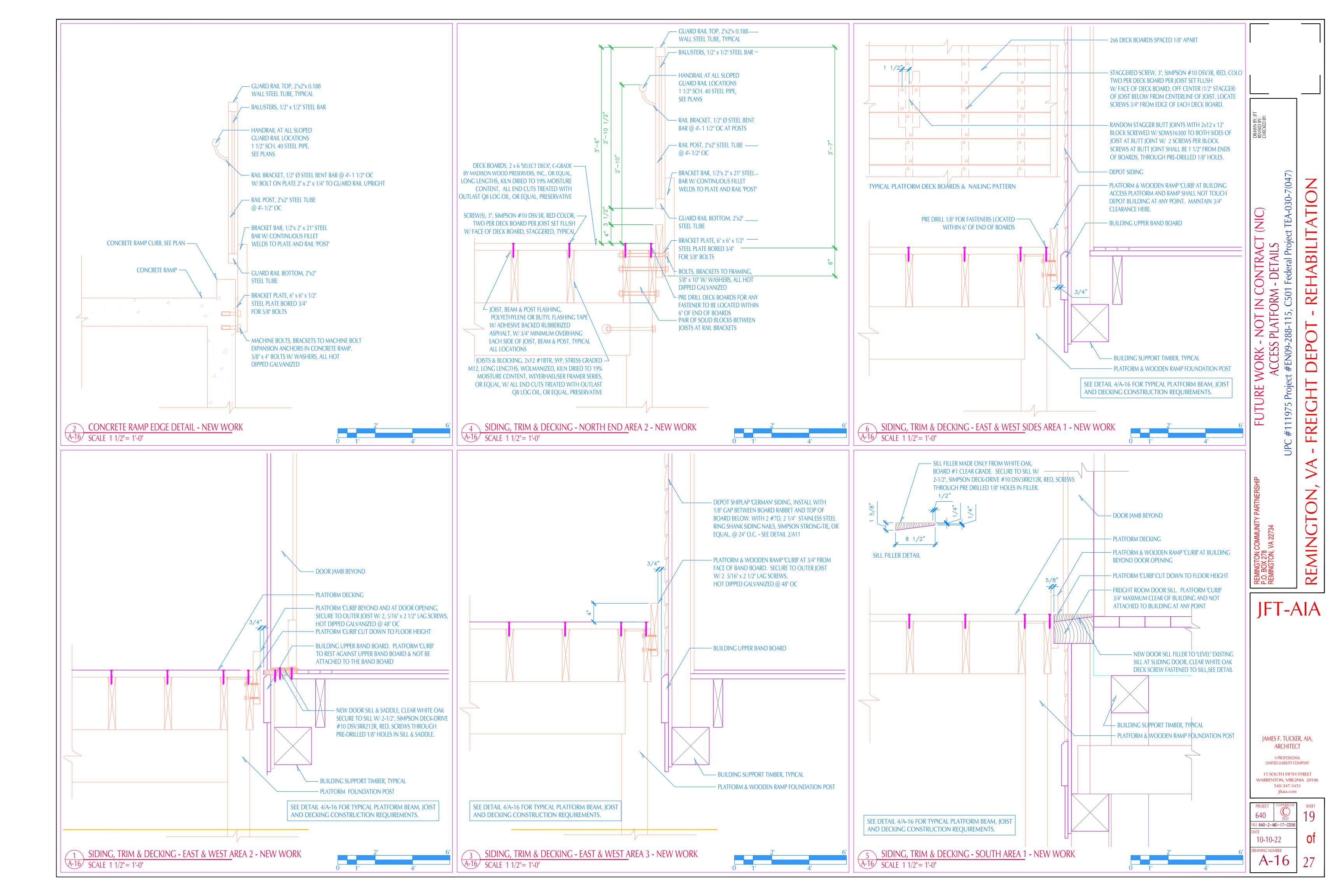


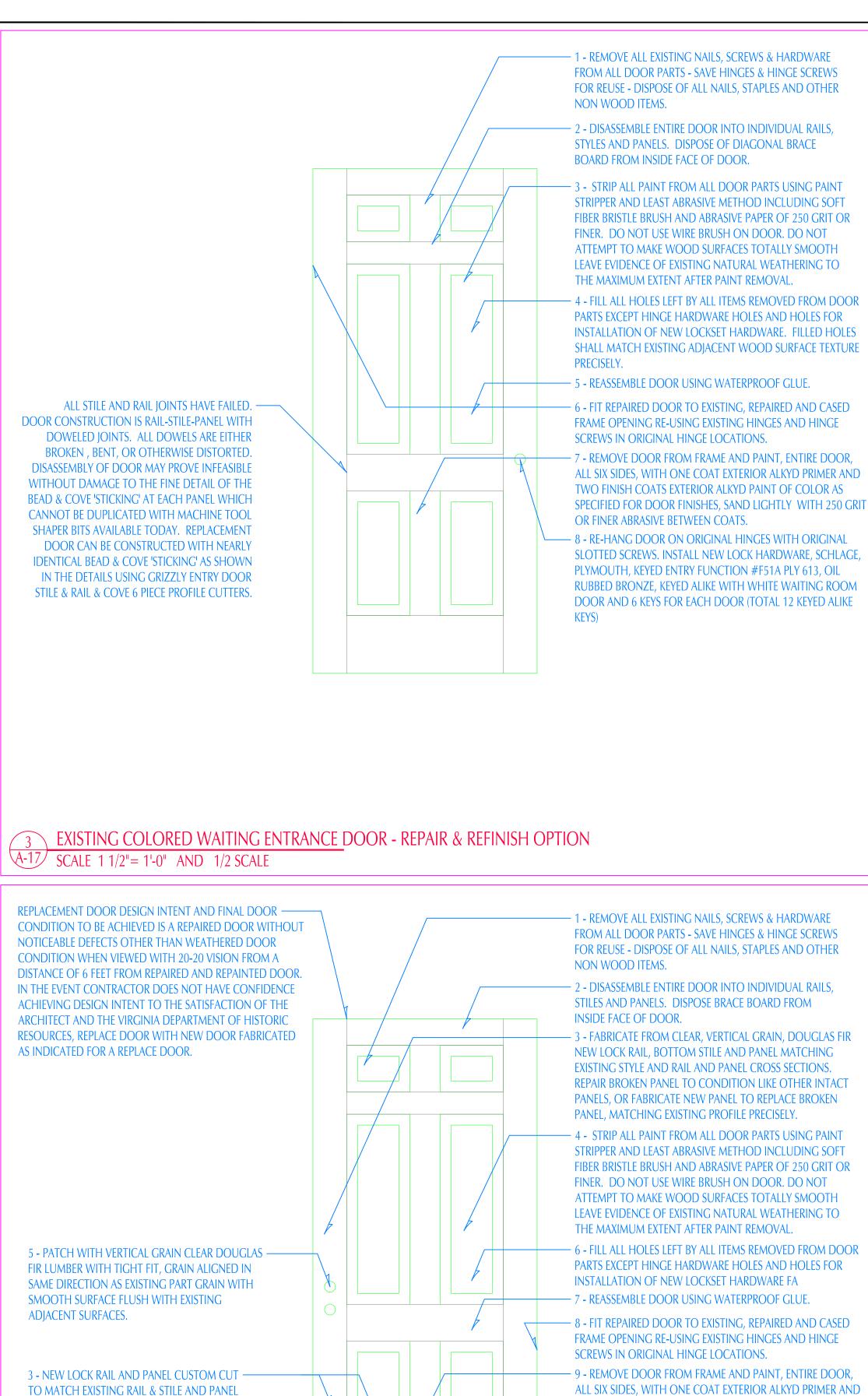












ALL SIX SIDES, WITH ONE COAT EXTERIOR ALKYD PRIMER AND TWO FINISH COATS EXTERIOR ALKYD PAINT OF COLOR AS SPECIFIED FOR DOOR FINISHES, SAND LIGHTLY WITH 250 GRIT OR FINER ABRASIVE BETWEEN COATS.

- 10 - RE-HANG DOOR ON ORIGINAL HINGES WITH ORIGINAL SLOTTED SCREWS. INSTALL NEW LOCK HARDWARE, SCHLAGE, PLYMOUTH, KEYED ENTRY FUNCTION #F51 PLY 716, OIL RUBBED BRONZE KEYED ALIKE WITH WHITE WAITING ROOM DOOR AND 6 KEYS FOR EACH DOOR (TOTAL 12 KEYED ALIKE KEYS)

· 3 - REPAIR BROKEN PANEL TO CONDITION LIKE OTHER intact PANELS, OR FABRICATE NEW PANEL TO REPLACE BROKEN PANEL.

SEE DETAIL 7/A-17 AT THE RIGHT FOR PHOTOS OF DOOR AND SEVERE DAMAGE TO DOOR STILE, RAIL AND PANELS SEE NOTE ABOVE REGARDING DOOR CONDITION AND DETERMINATION OF REPAIR OR REPLACEMENT

3 - NEW BOTTOM RAIL MATCHING EXISTING RAIL -

CROSS SECTIONS

CROSS SECTION DETAIL

1 EXISTING WHITE WAITING ENTRANCE FLOOR - REPAIR AND REFINISH OPTION A-17 SCALE 1-1/2"= 1'-0"

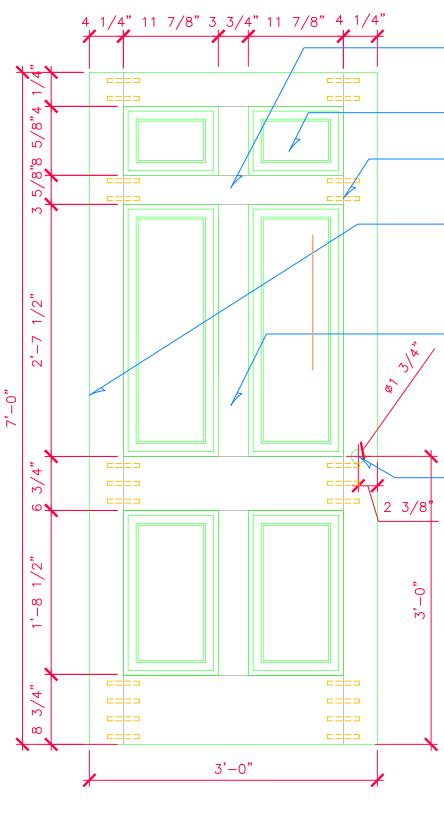
GRIZZLY ENTRY DOOR STILE & RAIL BEAD & COVE 6 PIECE, 3/4" BORE # C2173 PROFILE FULL SCALE

DOOR PANEL PROFILE - TYPICAL

FULL SCALE

WAITING DOOR - REPLACE OPTION - RAIL - STYLE & PANEL PROFILES REQUIRED

A-7 SCALE 1"= 1" FULL SCALE



- 1 ORTAIN HINCES FROM EXISTING DOORS AND FRAMES CLEAN HINGES AND HINGE PINS OF ALL PAINT, OIL AND ANY RUST. PRIME WITH ALKYD METAL PRIMER AND PAINT WITH ALKYD PAINT SAME AS DOOR AND FRAME.

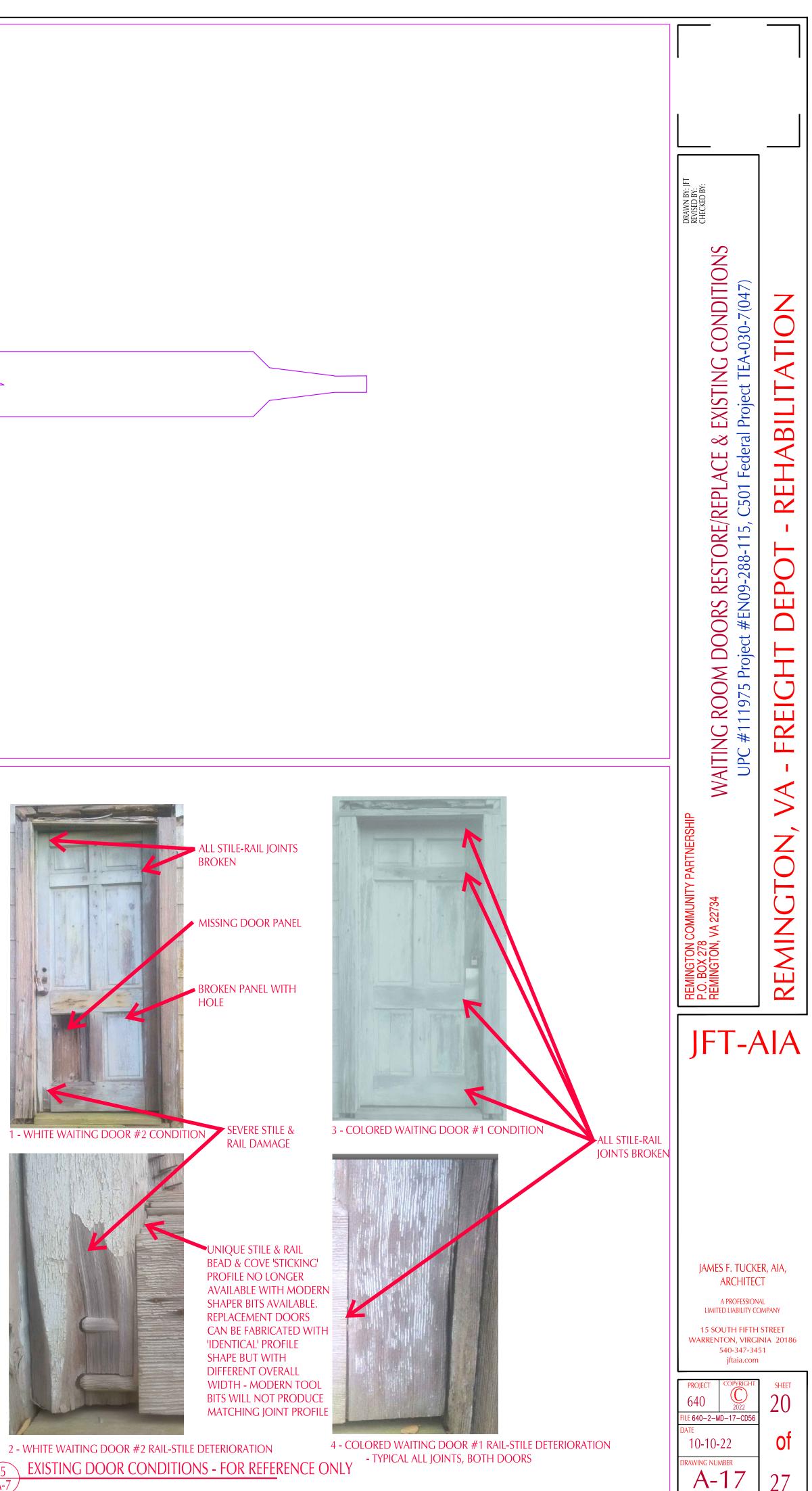
2 - CONSTRUCT NEW DOOR, RAILS AND STILES FROM CLEAR VERTICAL GRAIN DOUGLAS FIR LUMBER KILN DRIED TO 8% -10% MOISTURE CONTENT WITH PROFILES DETAILED ABOVE. - 3 - CONSTRUCT ALL DOOR PANELS FROM CLEAR DOUGLASS FIR DRIED TO BETWEEN 8% AND 10% MOISTURE CONTENT 4 - CONSTRUCT ALL RAIL TO STILE JOINTS WITH BEAD AND

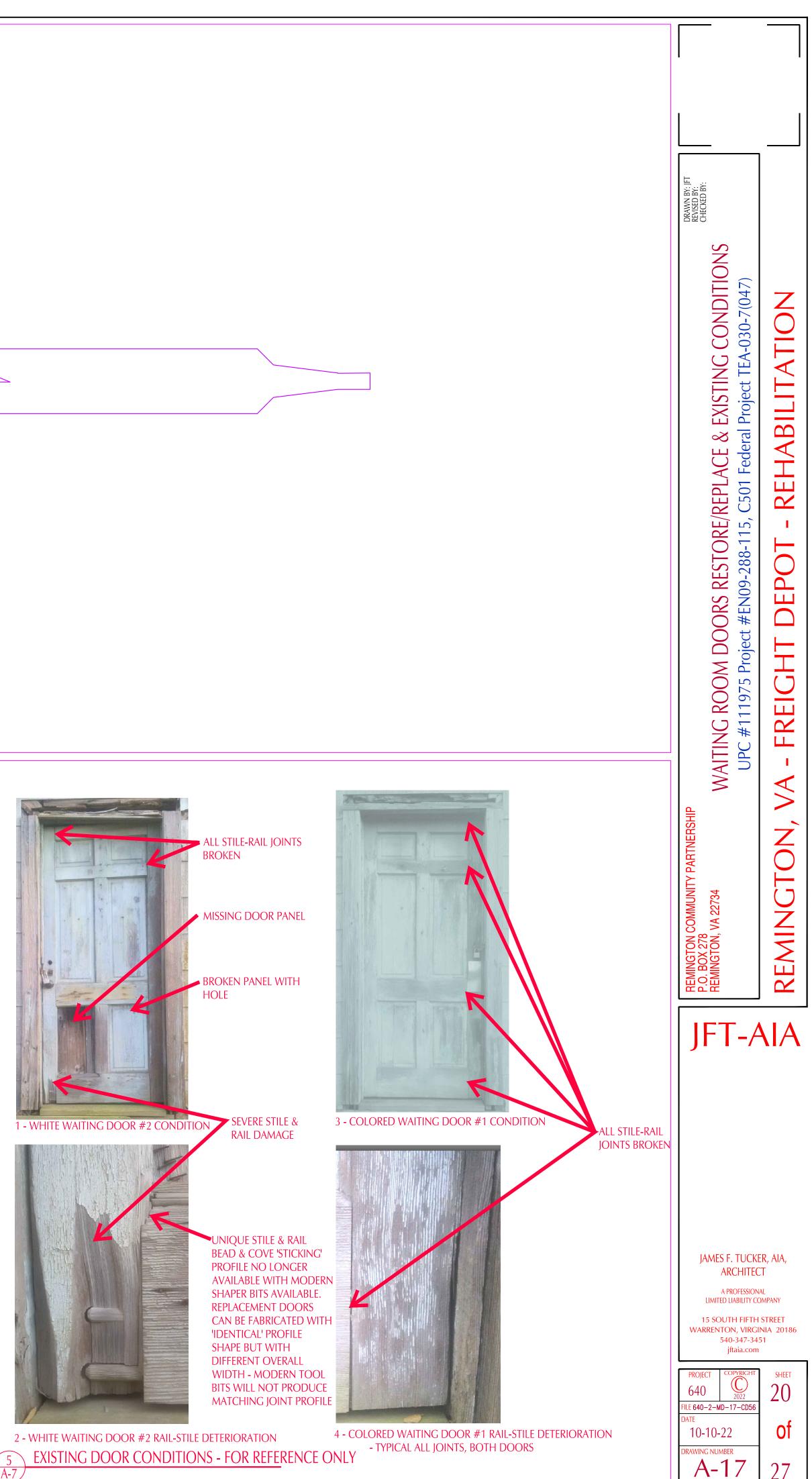
COVE MILLING AS DETAILED WITH EITHER MORTISE AND TENON JOINTS OR MULTIPLE HARDWOOD DOWELS, 1/2" x 4".

5 - FIT NEW DOOR TO EXISTING, REPAIRED AND CASED FRAME OPENING RE-USING EXISTING HINGES AND HINGE SCREWS IN ORIGINAL HINGE LOCATIONS. INSTALL NEW STOPS USING CLEAR, HEAT TREATED POPLAR LUMBER MATCHING EXISTING STOP WIDTH AND THICKNESS

6 - REMOVE DOOR FROM FRAME AND PAINT, ENTIRE DOOR, ALL SIX SIDES, WITH ONE COAT EXTERIOR ALKYD PRIMER AND TWO FINISH COATS EXTERIOR ALKYD PAINT OF COLORS SPECIFIED FOR DOOR FINISHES, SAND LIGHTLY WITH 250 GRIT OR FINER ABRASIVE BETWEEN COATS.

- 7 - RE-HANG FITTED AND PAINTED DOOR ON ORIGINAL HINGES WITH ORIGINAL SLOTTED SCREWS. INSTALL NEW LOCK HARDWARE, SCHLAGE, PLYMOUTH, KEYED ENTRY FUNCTION #F51A PLY 613, OIL RUBBED BRONZE KEYED ALIKE COLORED AN WHITE WAITING ROOM DOORS AND 6 KEYS FOR EACH DOOR (TOTAL 12 KEYED ALIKE KEYS). PROVIDE KEYS TO OWNER.





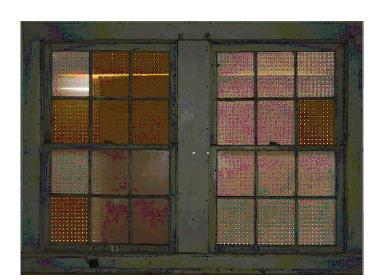
WAITING DOOR - REPLACE OPTION A-7 SCALE 1"= 1'-0"



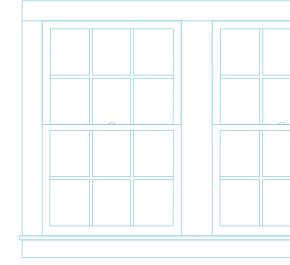
1 WINDOW CONDITIONS & RESTORE - REFURBISH REQUIREMENTS A-18 SCALE 1/2"= 1'-0"



¹D¹ - DISPATCHER WINDOW, EXISTING EXTERIOR VIEW ¹D¹ - DISPATCHER WINDOW, REPAIRED/RESTORED EXTERIOR VIEW



¹D¹ - DISPATCHER WINDOW, EXISTING INTERIOR VIEW



¹D¹ - DISPATCHER WINDOW, **REPAIRED / RESTORED INTERIOR VIEW**

- 1 - REMOVE DETERIORATED EXTERIOR WOOD CASING & DISPOSE

2 - REMOVE SASH FROM FRAME, REMOVE LOCK HARDWARE & SAVE FOR REUSE.

3 - REMOVE ALL GLASS & GLAZING COMPOUND, SAVE ALL UNBROKEN GLASS FOR REUSE

4 - STRIP ALL PAINT FROM ENTIRE WINDOW FRAME, SILL, SASH & SCREEN SASH. REMOVE SCREEN STICKING AND SCREEN FROM SCREEN SASH.

5 - INSPECT SASH JOINERY AND REPAIR BY DISASSEMBLING SASH, REPAIRING JOINTS & REASSEMBLING SASH WITH WATERPROOF GLUE

6 - PRIME PAINT ENTIRE WINDOW FRAME, SILL, SASH AND SCREEN FRAME

7 - PREPARE, CUT TO SIZE REQUIRED, HEAT TREATED CLEAR POPLAR EXTERIOR CASING MATERIAL. PRIME PAINT ALL SIX SIDES OF EXTERIOR CASING. MARK CASING PIECES FOR EACH LOCATION TO BE INSTALLED ON, BUNDLE EACH GROUP FOR EACH WINDOW AND STORE INSIDE DEPOT UNTIL STEP #7. INSTALL

8 - CLEAN ALL GLASS PRIOR TO INSTALLING IN SASH. RE-GLAZE SASH WITH EXISTING GLASS TO MAXIMUM EXTENT POSSIBLE. RE-GLAZE SASH WITH ANTIQUE 'WAVY' GLASS AS PROVIDED BY THE OWNER, OR NEW GLASS WHERE ANTIQUE 'WAVY' GLASS PROVIDED BY OWNER IS INSUFFICIENT FOR REQUIRED GLASS.

9 - PAINT SASH, FRAME, CASINGS & SCREEN FRAME WITH EXTERIOR ALKYD PAINT USING PAINT COLORS INDICATED ON DRAWING PC-1. SAND PRIMER PRIOR TO FINISH PAINT APPLICATION AND BETWEEN EACH COAT WITH 250 OR FINER GRIT ABRASIVE PAPER.

10 - REINSTALL SASH IN FRAME FOR NON BINDING SASH MOVEMENT. REINSTALL WINDOW LOCK HARDWARE.

1 - REMOVE NAILS PREVENTING SASH RAISING. REMOVE SASH FROM FRAME. STRIP PAINT

2 - STRIP ALL PAINT FROM ENTIRE WINDOW FRAME, INTERIOR CASING & SASH

5 - PAINT SASH, FRAME, HARDWARE & CASINGS WITH INTERIOR ALKYD PAINT USING PAINT MATCHING EXISTING INTERIOR WINDOW CASING PAINT. SAND PRIMER PRIOR TO FINISH PAINT APPLICATION AND BETWEEN EACH COAT WITH 250 OR FINER GRIT ABRASIVE PAPER.

6 - REINSTALL SASH IN FRAME, REINSTALL WINDOW LOCK HARDWARE.

	- 1	- REMOVE	DETERIORATED	EXTERIOR WOOD	CASING & DISPOS
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2 - REMOVE SASH FROM FRAME, REMOVE LOCK HARDWARE & SAVE FOR REUSE.

3 - REMOVE ALL GLASS & GLAZING COMPOUND, SAVE ALL UNBROKEN GLASS FOR REUSE

4 - REMOVE ANY REMAINING INSECT SCREEN FROM SCREEN FRAME

4 - STRIP ALL PAINT FROM ENTIRE WINDOW FRAME, SASH & SCREEN FRAME

5 - INSPECT SASH JOINERY AND REPAIR BY DISASSEMBLING SASH, REPAIRING JOINTS & REASSEMBLING SASH WITH WATERPROOF CLUE

6 - PRIME PAINT ENTIRE WINDOW FRAME, SASH, SASH AND SCREEN FRAME

7 - PREPARE, CUT TO SIZE REQUIRED, HEAT TREATED CLEAR POPLAR EXTERIOR CASING MATERIAL. PRIME PAINT ALL SIX SIDES OF EXTERIOR CASING. MARK CASING PIECES FOR EACH LOCATION TO BE INSTALLED ON, BUNDLE EACH GROUP FOR EACH WINDOW AND STORE INSIDE DEPOT UNTIL STEP #7. INSTALL ON WINDOW DURING WORK OF STEP #7

8 - CLEAN ALL GLASS PRIOR TO INSTALLING IN SASH. RE-GLAZE SASH WITH EXISTING GLASS TO MAXIMUM EXTENT POSSIBLE. RE-GLAZE SASH WITH ANTIQUE 'WAVY' GLASS AS PROVIDED BY THE OWNER, OR NEW GLASS WHERE ANTIQUE 'WAVY' GLASS PROVIDED BY OWNER IS INSUFFICIENT FOR REQUIRED GLASS.

9 - PAINT SASH, FRAME, CASINGS & SCREEN FRAME WITH EXTERIOR ALKYD PAINT USING PAINT COLORS INDICATED ON DRAWING PC-1. SAND PRIMER PRIOR TO FINISH PAINT APPLICATION AND BETWEEN EACH COAT WITH 250 OR FINER GRIT ABRASIVE PAPER.

10 - REINSTALL SASH IN FRAME FOR NON BINDING SASH MOVEMENT, REINSTALL WINDOW LOCK HARDWARE

11 - INSTALL NEW, 19 x 19 COPPER WIRE SCREEN IN SCREEN SASH. REINSTALL SCREEN ON WINDOW.

1 - REMOVE NAILS PREVENTING SASH RAISING. REMOVE SASH FROM FRAME. STRIP PAINT FROM HARDWARE. SAVE HARDWARE FOR REUSE.

2 - STRIP ALL PAINT FROM ENTIRE WINDOW FRAME, INTERIOR CASING & SASH

4 - PRIME PAINT ENTIRE WINDOW FRAME & SASH

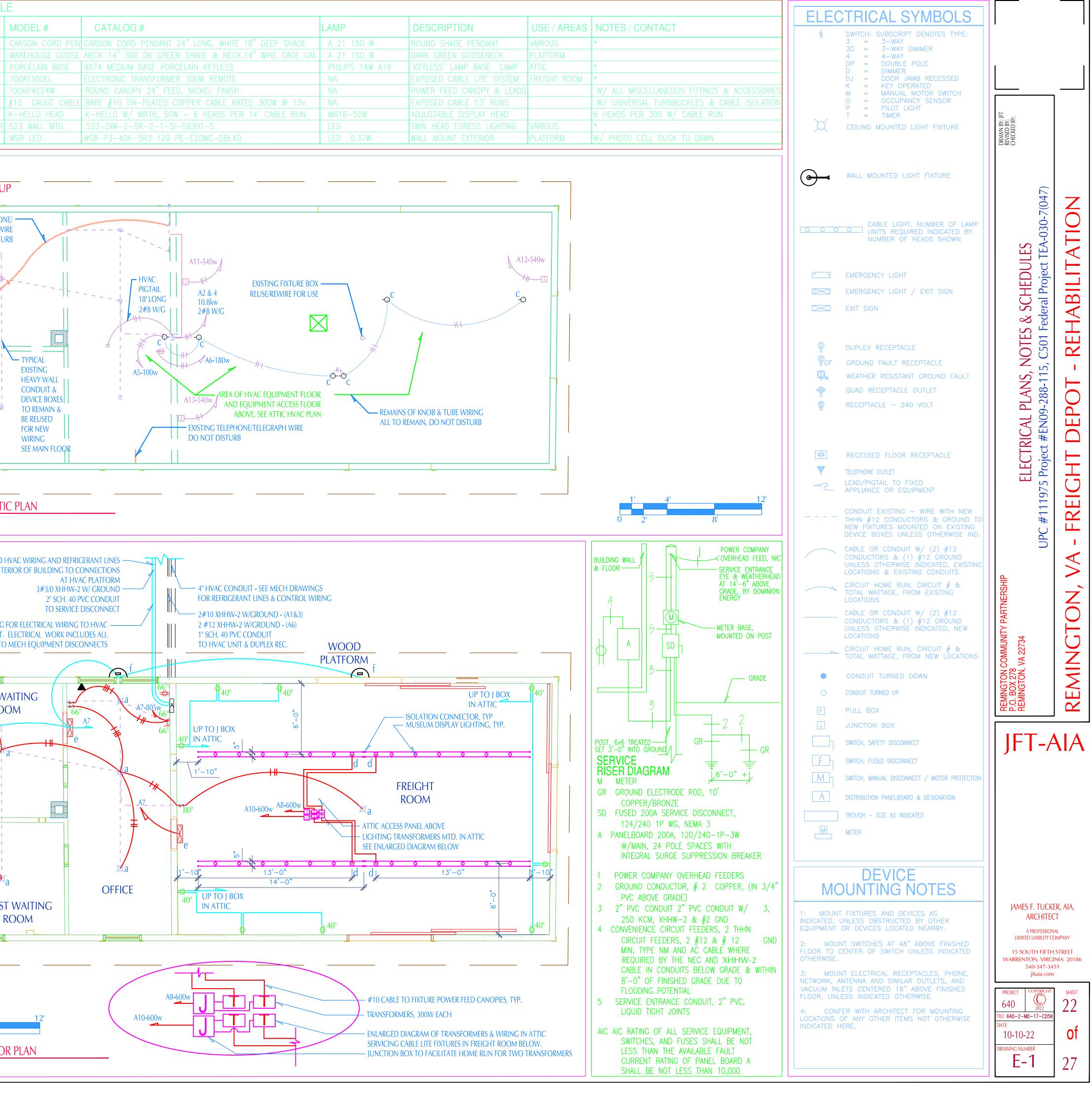
5 - PAINT SASH, FRAME, HARDWARE & CASINGS WITH INTERIOR ALKYD PAINT USING PAINT MATCHING EXISTING INTERIOR WINDOW CASING PAINT. SAND PRIMER PRIOR TO FINISH PAINT APPLICATION AND BETWEEN EACH COAT WITH 250 OR FINER GRIT ABRASIVE PAPER.

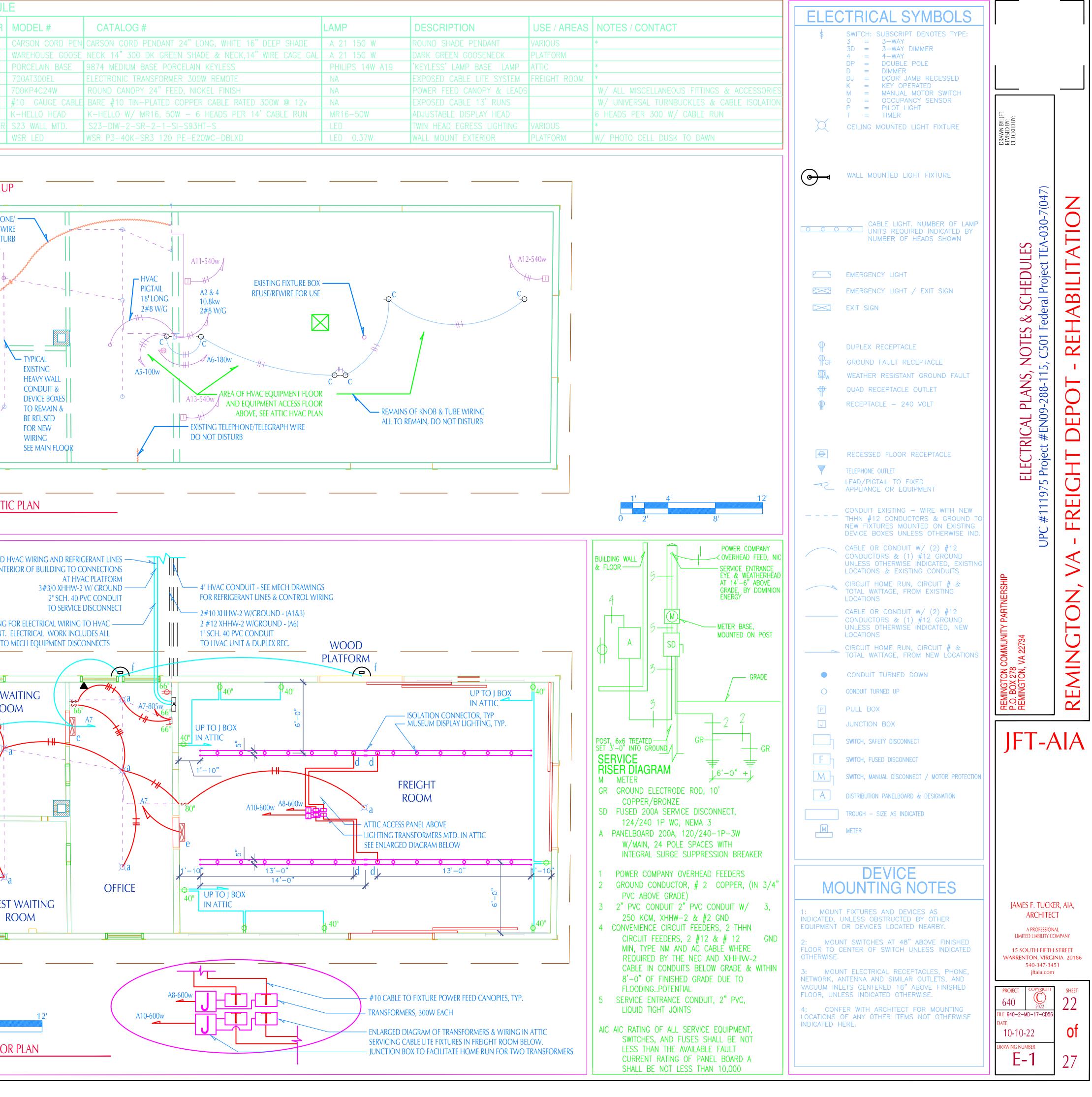
6 - REINSTALL SASH IN FRAME, REINSTALL WINDOW LOCK HARDWARE.

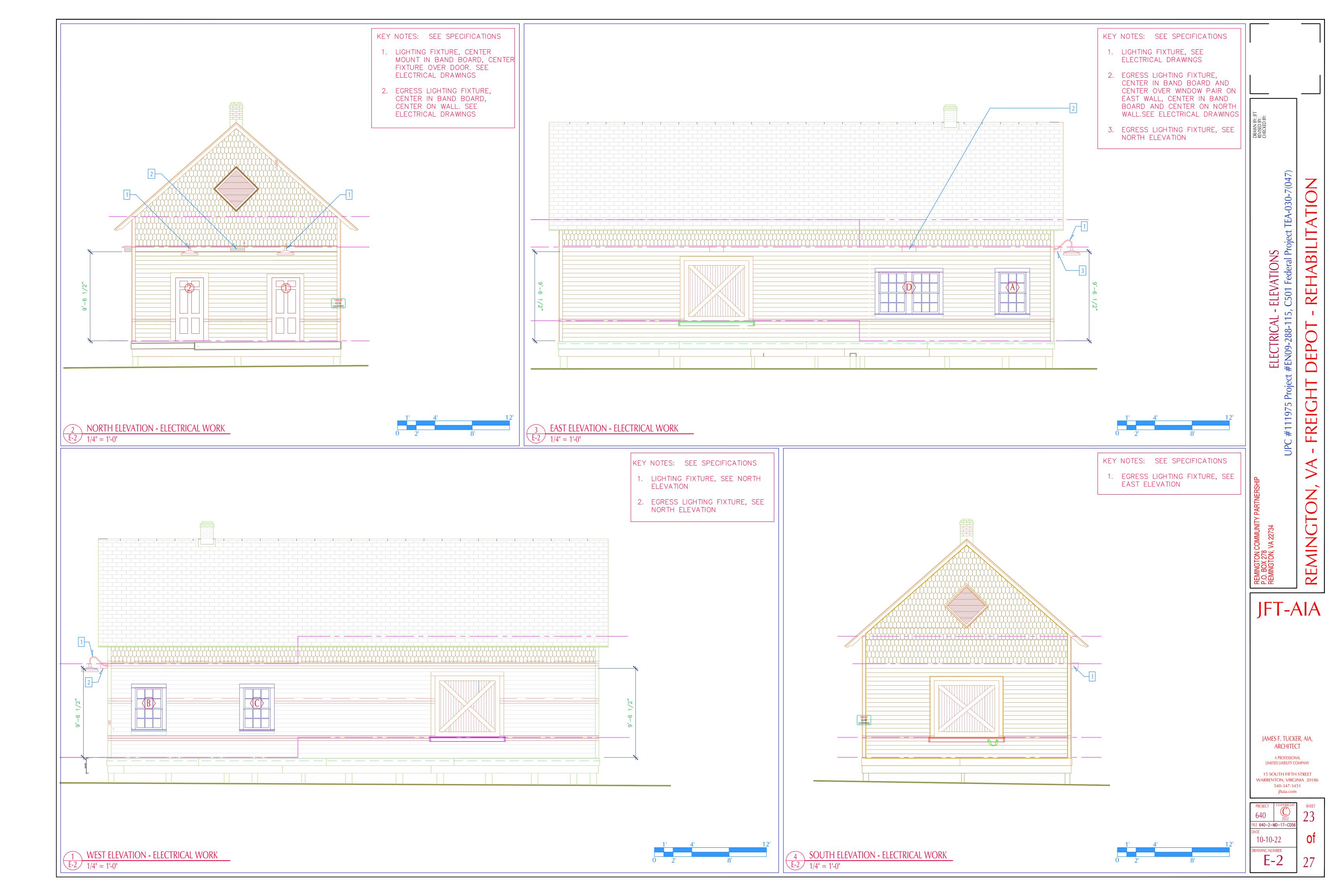
ORE & EXISTING CONDITION FOR REFERENCE 109-288-115, C501 Federal Project TEA-030-7(047)	HABILITATION
HP WINDOW REPAIR/RESTORE & EXISTING UPC #111975 Project #EN09-288-115, C501	FON, VA - FREIGHT DEPOT - REHABILITATION
REMINGTON COMMUNITY PARTNERSHIP P.O. BOX 278 REMINGTON, VA 22734	REMINGTON,

PANI 120/240V/1PH/3W, 200A MAIN BREAKER, NEMA 1, FLUSH MOU	LUMINAIRE SCHEDUL
A COPPER BUS BARS, 100% NEUTRAL BUS, GROUND BUS, BOLT-C A 5	MARK MANUFACTURER a REJUVENATION
Image: Construction Image: Construction<	b BARN LIGHT C LEVITON
5 ATTIC LIGHTING - NORMALLY OFF 0.1 20 A A 20 0.4 ATTIC & HVAC PLATFORM RECEPT 6 7 ORIGINAL LIGHTING & EXIT LIGHT 0.8 20 B B 20 0.6 FRIEGHT LIGHTING - EAST 8 9 FREIGHT ROOM SOUTH RECEPTAL 0.5 20 A A 20 0.6 FREIGHT LIGHTING - WEST 10	d KABLE LITE POWER FEED
11 FREIGHT ROOM NORTHEAST REC 0.5 20 B B 20 0.5 FREIGHT ROOM SOUTH RECEPTANT 12 13 FREIGHT ROOM NORTHWEST REC 0.5 20 A A 20 - SPARE 14	CABLE LIGHT HEADS
17 FUTURE SITE LIGHTING - - - A A 20 0.1 KIOSK LIGHTING 18 SUBTOTAL KVA 9.4 9.6 SUBTOTAL KVA 'B' LEG	e NEO-RAY / COOPER
TOTAL K 19.02 = TOTAL KVA TOTAL SINGLE PHA: 79.3	
2 PANELBOARD SCHEDULE	
E-1	
	EXISTING TELEPHO TELEGRAPH W
NOTE:	
REQUIRED ELECTRICAL WORK ALSO	
EQUIPMENT, MATERIALS, WIRING AND	
CONDUITS AS SHOWN AT DETAIL 5/m-1, HVAC CONDENSER	
EQUIPMENT & ELECTRIC SERVICE	
PLATFORM.	
	4 ELECTRICAL ATT E^{-1} $1/4^{"} = 1^{-} 0^{"}$
. SEE ELECTRICAL SCOPE OF WORK. ELECTRICAL WORK THIS PHASE II LIMITED TO DEVICE BOXES & CONDUITS LOCATED IN EXTERIOR WALLS AND EXTERIOR FIXTURES LOCATED ON	ALL CONDUITS FOR ELECTRICAL AND SHALL BE WATER TIGHT FROM INT
EXTERIOR WALLS, AND MINIMUM NECESSARY WIRING TO SUITABLE JUNCTION BOXES WITHIN ATTIC FOR FUTURE CONNECTION TO FUTURE/REMAINING ELECTRICAL SYSTEM.	
2. ALL NEW ELECTRICAL DEVICES, OUTLETS, AND PANELS SHALL BE FLUSH-MOUNTED UNLESS	SEE MECH M-1 DRAWING
OTHERWISE NOTED.	EQUIPMENT. WIRING TO
3. ALL EXISTING FIXTURE AND DEVICE LOCATIONS, SURFACE & RECESSED SHALL BE REWIRED	
WITH NEW CONDUCTORS AND NEW DEVICES MATCHING THE EXISTING TYPE , STYLE AND COLOR.	EAST W
4. PROVIDE & INSTALL A NEW FLUSH-MOUNT PANEL, SEE PANEL SCHEDULE & SPECIFICATIONS.	RO
5. REMOVE OLD CONDUCTORS FROM EXISTING CONDUITS. INSTALL NEW CONDUCTORS IN	
EXISTING CONDUITS, THHN #12.	
6. PROVIDE NEW CONDUITS, FEEDERS AND DEVICE BOXES AS REQUIRED FOR INDICATED CIRCUITS AND DEVICES.	
7. PROVIDE NEW DEVICES AND COVERS FOR ALL OUTLETS AND SWITCHES TO REMAIN WHERE POSSIBLE. NOTED PUSH BUTTON SWITCH PLATES FOR SURFACE MOUNT MAY NOT BE	
AVAILABLE. IN SUCH CASE CLEAN, RECONDITION AND REUSE EXISTING PLATES.	
8. REPLACEMENT SWITCHES SHALL BE PUSH BUTTON STYLE BY CLASSIC ACCENTS, SINGLE POLE, MODEL HD1 WITH MOTHER OR PEARL 'ON' BUTTON, AND BLACK PLASTIC 'OFF' BUTTON.	
SWITCHES SHALL BE UL LISTED.	WES
9. ALL ROOMS, PROVIDE 120V/20A DUPLEX RECEPTACLES AT EXISTING HEIGHTS WHERE EXISTING ARE REPLACED AND AT 36" AFF. IN FRIGHT ROOM NEW LOCATIONS.	
10. FURNACE / FAN COIL DISCONNECT SWITCH SHALL BE PROVIDED WITH 'SPARE' CABLE AS	
INDICATED FOR FUTURE USE BY HVAC CONTRACTOR.	
11. PREPARE AND INSTALL NEATLY TYPEWRITTEN PANEL SCHEDULE WITHIN PANEL.	1' 4'
	0 2' 8'
1 ELECTRICAL SHEET NOTES	3 ELECTRICAL FLOCE-1 1/4" = 1'- 0"

JL	.E					
{	MODEL #	CATALOG #	LAMP	DESCRIPTION	USE / AREAS	1
	CARSON CORD PEN	CARSON CORD PENDANT 24" LONG, WHITE 16" DEEP SHADE	A 21 150 W	ROUND SHADE PENDANT	VARIOUS	*
	WAREHOUSE GOOSE	NECK 14" 300 DK GREEN SHADE & NECK,14" WIRE CAGE GAL	A 21 150 W	DARK GREEN GOOSENECK	PLATFORM	
	PORCELAIN BASE	9874 MEDIUM BASE PORCELAIN KEYLESS	PHILIPS 14W A19	'KEYLESS' LAMP BASE LAMP	ATTIC	*
	700AT300EL	ELECTRONIC TRANSFORMER 300W REMOTE	NA	EXPOSED CABLE LITE SYSTEM	FREIGHT ROOM	*
	700KP4C24W	ROUND CANOPY 24" FEED, NICKEL FINISH	NA	POWER FEED CANOPY & LEADS		
	#10 GAUGE CABLE	BARE #10 TIN−PLATED COPPER CABLE RATED 300W @ 12v	NA	EXPOSED CABLE 13' RUNS		
	K-HELLO HEAD	K-HELLO W/ MR16, 50W - 6 HEADS PER 14' CABLE RUN	MR16-50W	ADJUSTABLE DISPLAY HEAD		6
R	S23 WALL MTD.	S23-DIW-2-SR-2-1-SI-S93HT-S	LED	TWIN HEAD EGRESS LIGHTING	VARIOUS	*
	WSR LED	WSR P3-40K-SR3 120 PE-E20WC-DBLXD	LED 0.37W	WALL MOUNT EXTERIOR	PLATFORM	W







ELECTRICAL SYSTEM GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS, OR OTHER SPECIFIC ELEMENTS THAT MAY BE REQUIRED FOR PROPER INSTALLATION OF THE WORK. EXCEPT WHERE INDICATED IN DIMENSIONAL DETAIL, THE LOCATIONS OF WORK INDICATED ON THE DRAWINGS IS ONLY APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND COORDINATED WITH OTHER TRADES, SUBJECT TO THE APPROVAL BY THE ENGINEER OR OWNER REPRESENTATIVE. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF CEILING DEVICES.

2. EXISTING CONDITIONS INDICATED ARE TAKEN FROM VARIOUS SURVEYS, AND FIELD INVESTIGATIONS. UNFORESEEN CONDITIONS PROBABLY EXIST AND WORK, NEW OR EXISTING, MAY NOT BE LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. FIELD VERIFY THE EXACT LOCATIONS OF EXISTING ELECTRICAL WORK. COORDINATE THE WORK WITH OTHER DIFFERENT TRADES SO THAT ALL INTERFERENCE BETWEEN BUILDING TRADES WILL BE AVOIDED. REFER TO THE ARCHITECT ANY QUESTION OR ISSUES THAT ARE NOT READILY RESOLVED. FAILURE TO COORDINATE THE WORK WILL NOT BE CONSIDERED FOR EXTRAS. ALL WORK IS NEW UNLESS INDICATED AS EXISTING.

3. CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF WORK. ATTIC ACCESS AT THE PRESENT IS KNOWN TO BE DIFFICULT, BUT IS MANAGEABLE AS BOTH THE OWNER AND THE ARCHITECT HAVE ENTERED THE ATTIC SPACE ON MORE THAN ONE OCCASION TO VERIFY EXISTING CONDITIONS. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION OF ALL AREA INVOLVED IN THE WORK HAS BEEN SPACES HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED IN BUILDING ACCESS WILL NOT BE RECOGNIZED.

4. ALL MATERIALS REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR OWNER'S REPRESENTATIVE OR AS DIRECTED. DELIVER OBSOLETE MATERIALS AND EQUIPMENT TO STORAGE OR AS DIRECTED. MATERIALS AND EQUIPMENT REFUSED SHALL BE REMOVED FROM THE JOB SITE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. REFER TO CONTRACT SPECIFICATIONS FOR EXACT REQUIREMENTS.

5. LOCATIONS OF SWITCHES, OUTLETS AND OTHER DEVICES ARE CRITICAL TO THE SUCCESS OF THE RENOVATION AND HISTORIC CHARACTER OF THE BUILDING. SUCH WORK SHALL BE FIELD VERIFIED AND CAREFULLY COORDINATED WITH ALL BUILDING TRADES AT THE SITE BY THE CONTRACTOR AND ANY CONFLICTS SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION WITHOUT ADDITIONAL COST TO THE OWNER.

6. ELECTRICAL DISTRIBUTION SYSTEM SHALL BE IN CONDUIT (PVC OR LIQUID TIGHT FLEXIBLE CONDUIT AS APPLICABLE) AND ALL WIRING SHALL BE COPPER UNLESS OTHERWISE INDICATED. ALL CONDUITS BELOW GROUND AND WITHIN EIGHT FEET OF GROUND SHALL BE MADE WATER TIGHT. BRANCH CIRCUIT WIRE SIZES ARE BASED ON COPPER CONDUCTORS WITH XHHW-2 INSULATION FOR USE WITH 75 °C LUGS. SERVICE ENTRANCE AND FEEDER CONDUCTOR SIZES ARE BASED ON COPPER CONDUCTORS WITH XHHW-2 INSULATION. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE 12 GAUGE. 14 GAUGE WIRING WILL NOT BE ALLOWED AND IF INSTALLED, SHALL BE REMOVED AND REPLACED WITH 12 GAUGE AT THE CONTRACTOR'S EXPENSE. INSTALL NO MORE THAN (3) POWER CONDUCTORS AND A NEUTRAL IN A 3/4" CONDUIT HOME RUN.

12. PROVIDE PULL ROPES IN ALL EMPTY CONDUITS UNLESS OTHERWISE INDICATED.

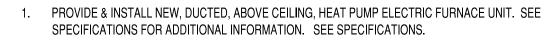
13. CIRCUIT NUMBERS INDICATED ARE FOR A BALANCED ELECTRICAL SYSTEM. THE CONTRACTOR SHALL VERIFY SYSTEM BALANCE WITH VARIOUS LOADS OPERATIONAL AND ADJUST CIRCUITS FOR CORRECTLY BALANCING PHASE LOADS UNDER NORMAL OPERATING CONDITIONS. PROVIDE APPROPRIATE PANELBOARD SCHEDULE PLACARD ACCORDINGLY.

14. HORSEPOWER AND OTHER RATINGS INDICATED ON THE DRAWINGS MAY DIFFER FROM EQUIPMENT ACTUALLY SUPPLIED. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE ACTUAL ELECTRICAL REQUIREMENTS OF EQUIPMENT SUPPLIED BY OTHERS, VERIFY RATINGS AND CIRCUIT CAPACITY FOR THE PROPER CONNECTION OF THESE DEVICES AND TO CONFER WITH THE ARCHITECT OR PROJECT ENGINEER AS APPROPRIATE.

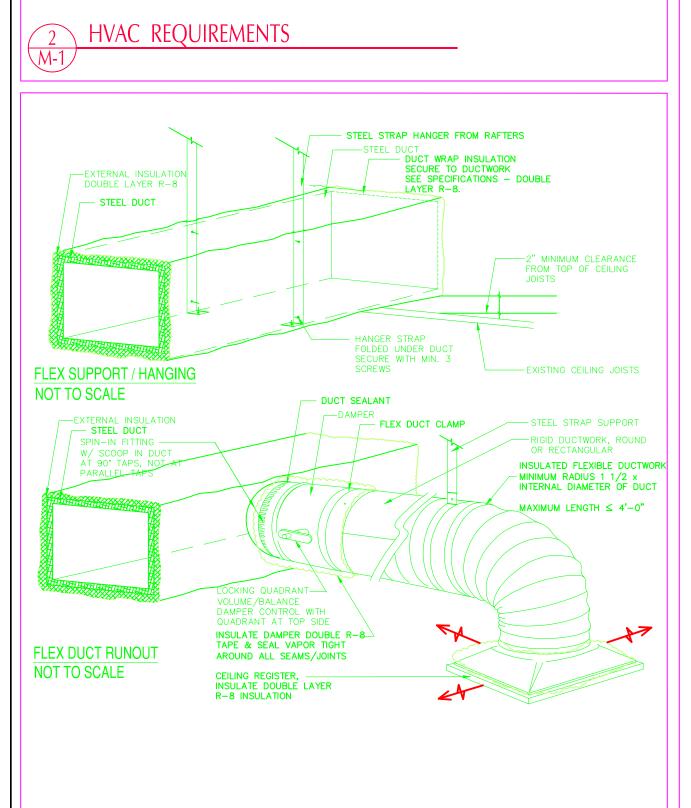
15. ALL CONDUITS, RACEWAYS, CONDUCTORS AND CABLES SHALL BE CONCEALED IN THE CEILING, WALLS OR FLOOR EXCEPT IN PASSING THROUGH CRAWL SPACE (UNDER BUILDING AREA BETWEEN FLOOR AND EARTH AND MECHANICAL EQUIPMENT PLATFORM, UNLESS OTHERWISE INDICATED. PROVIDE ALL COMPONENTS NECESSARY FOR SUPPORTING AND BRACING OF ALL ELECTRICAL EQUIPMENT, CONDUIT AND ACCESSORIES. EXTERIOR STEEL SHALL BE HOT DIPPED GALVANIZED. FOR SUPPORTING CONDUIT TO MECHANICAL EQUIPMENT PLATFORM, USE HARDENED HOT DIPPED STEEL CLIPS SUITABLE FOR THE PURPOSE INTENDED. SOFT STEEL WIRE, OR WIRE OF ANY KIND AND PLASTIC ZIP TIES WILL NOT BE ACCEPTED AT ANY LOCATION LOCATION. FOR SUPPORTING TO WOOD, USE ONE-HOLE CONDUIT CLAMPS WITH STAINLESS STEEL WOOD SCREWS.

16. CONDUCTORS SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES WITH SPLICES LOCATED ONLY IN IUNCTION BOXES OR CABINETS. CONDUCTORS SHALL BE OF

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	JURISDICTION. 32. CLEAN THE WORK AREA AND REMOVE ALL SCRAP AND EXCESS MATERIALS FROM THE SITE. 33. PROVIDE FOR MAINTENANCE OF THIS WORK FOR ONE YEAR FOLLOWING FINAL APPROVAL BY GOVERNING AGENCIES. MAINTENANCE INCLUDES ALL WORK REQUIRED IN MANUFACTURER'S INSTRUCTIONS INCLUDING: INSPECTION, ADJUSTMENT, LUBRICATION, REPAIR AND REPLACEMENT OF PARTS AS REQUIRED, AND EMERGENCY CALL-BACK SERVICE.	PIOLED A 22734
 THAT WORK OF OTHER TRADES THAT MUST PRECEDE THIS WORK HAS BEEN COMPLETED. MEET ALL REQUIREMENTS TO SECURE WARRANTY. 12. ISOLATION MOUNTS: MOUNT INDOOR FAN UNITS ON LAMINATED CORK AND NEOPRENE RUBBER ISOLATION PADS. 13. DUCTWORK SHALL BE: SHEET FABRICATED GALVANIZED SHEET METAL DUCTWORK PER ASHRAE AND SMACNA STANDARDS. BRANCH DUCTS SHALL HAVE MANUAL OPERATED BALANCING DAMPERS TWO GAUGES HEAVIER THAN THE DUCT SHEET METAL W/ LOCKING QUADRANT HANDLES. SEAL ALL JOINTS IN STEEL DUCTWORK WITH LATEX SEALANT. 	 20. INSTALL TRODUCTSTER DRAWINGS AND THESE NOTES, SECTIONS AND AND AND AND AND ADDITIONAL INSTRUCTIONS PROVIDED BY THE ARCHITECT. 29. UPON COMPLETION, SECURE ALL REQUIRED TESTS, INSPECTIONS, AND APPROVALS OF THE COMPLETED SYSTEM. 30. MAKE ALL REQUIRED ADJUSTMENTS AND CORRECTIONS AT NO ADDED COST TO THE OWNER. 31. AFTER INSTALLATION, INSPECT ALL WORK FOR IMPROPER INSTALLATION OR DAMAGE. OPERATING HARDWARE MUST PERFORM SMOOTHLY. REPAIR OR REPLACE ANY DEFECTIVE WORK. REPAIR WORK SHALL BE MADE UNDETECTABLE. REWORK REPAIRS IF WORK IS STILL DEFECTIVE, AS DIRECTED BY THE ARCHITECT OR AUTHORITY HAVING 	NOT NOT UPC #111975 Project
 SPECIFIED HEREIN. DELIVER, STORE, AND TRANSPORT MATERIALS TO AVOID DAMAGE TO THE PRODUCT OR TO ANY OTHER WORK. REJECT AND RETURN ANY PRODUCTS OR MATERIALS DELIVERED IN A DAMAGED CONDITION. MATERIALS AND PRODUCTS DELIVERED WILL BE CERTIFIED BY THE MANUFACTURER TO BE AS SPECIFIED. 9. STORE MATERIALS INDOORS, PROTECTED FROM DIRT, MOISTURE, CONTAMINANTS, AND WEATHER. 10. EXAMINE AND VERIFY THAT JOB CONDITIONS ARE SATISFACTORY FOR SPEEDY AND ACCEPTABLE WORK. MAINTAIN AND USE UP-TO-DATE TRADE STANDARDS. 11. CONFIRM THERE IS NO CONFLICT BETWEEN THIS WORK AND BUILDING AND SAFETY CODES. CONFIRM THERE ARE NO CONFLICTS BETWEEN THIS WORK AND WORK OF OTHER TRADES. CONFIRM 	 24. EXTERIOR REFRIGERANT LINES PROTECTED WITH UV RESISTANT PLASTIC JACKET OVER INSULATION. 25. EXTERIOR ELECTRICAL AND CONTROL CONNECTIONS VIA INDIVIDUAL WATERPROOF FLEXIBLE CONDUITS AS INDICATED ON ELECTRICAL DRAWINGS. 26. CONSTRUCTION AND INSTALLATION: CORRECT ANY CONDITIONS THAT MIGHT INTERFERE WITH SPEEDY, WELL-COORDINATED EXECUTION OF THE WORK. 27. ALL WORK CONDITIONS SHALL BE AS PER MANUFACTURER'S INSTRUCTIONS, TRADE ASSOCIATION STANDARDS, AND GOVERNING BUILDING AND SAFETY CODES. 28. INSTALL PRODUCTS PER DRAWINGS AND THESE NOTES/SPECIFICATIONS AND ANY 	ES - ELECTRICAL & #EN09-288-115, C501
 SPECIFICATIONS. 6.3. SUBMIT MANUFACTURER'S INSTALLATION INSTRUCTIONS. 6.4. SUBMIT SHOP DRAWINGS AS REQUIRED WITH COMPLETE DETAILS AND ASSEMBLY INSTRUCTIONS. 6.5. SUBMIT SHOP DRAWINGS SHOWING RELATIONSHIP AND INTERFACE WITH ADJACENT OR RELATED WORK. 6.6. SUBMIT SAMPLES OF PROPOSED EXPOSED FINISHES AND FIXTURES FOR APPROVAL BY THE ARCHITECT. 7. AT THE CLOSE OF THIS WORK, PROVIDE COPIES OF MANUFACTURER'S INSTALLATION, MAINTENANCE, AND WARRANTY INFORMATION TO THE BUILDING OWNER BOUND IN A 3-RING BINDER. 8. PROVIDE ALL MATERIALS REQUIRED TO COMPLETE THE WORK AS SHOWN ON DRAWINGS AND 	 LOCATIONS ABOVE 60" MOUNTING HEIGHT. 21. EXTERIOR FRESH AIR INTAKE LOUVERS SHALL BE BY : RUSKIN, EME720 WIND-DRIVEN RAIN RESISTANT STATIONARY EXTRUDED ALUMINUM W/BIRD SCREEN, MILL FINISH . 22. FILTERS, SLIDE IN FILTER MESH OR SLIDE IN CARTRIDGE TYPE. 23. OUTDOOR CONDENSER UNIT MOUNTED ON RAISED WOOD EQUIPMENT PLATFORM AS INDICATED, WITH A MINIMUM HEIGHT ABOVE ADJACENT FINISHED GRADE OF 7'- 7 1/2" AS SHOWN. 	MECHANICAL Federal Project TEA-030-
 5. ALL WORK SHALL COMPLY WITH APPLICABLE BUILDING CODES, MANUFACTURER'S INSTRUCTIONS AND SAFETY CODES. 6. SUBMIT THE FOLLOWING WITHIN 14 CALENDAR DAYS AFTER RECEIVING THE NOTICE TO PROCEED. 6.1. SUBMIT LIST OF MATERIALS TO BE PROVIDED FOR THIS WORK. 6.2. SUBMIT MANUFACTURER'S SPECIFICATIONS REQUIRED TO PROVE COMPLIANCE WITH THESE 	 DEGREES AT FREIGHT ROOM, MODEL HD AT ALL OTHER LOCATIONS. 19. REGISTERS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS AT ALL SUPPLY LOCATIONS. 20. GRILLES (RETURN AIR) SHALL BE PROVIDED WITH VANES FIXED AT 45 DEGREES ANGLED DOWN AT LOCATIONS BELOW 60" MOUNTING HEIGHT AND ANGLED UP AT)-7(047)
 PROVIDE AND INSTALL HEATING, VENTILATION, AND AIR CONDITIONING SYSTEMS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED. MECHANICAL EQUIPMENT AND FITTINGS SHALL BE AS SHOWN ON THE DRAWINGS. WORK INCLUDES TRIM AND RELATED CONSTRUCTION REQUIRED FOR EQUIPMENT INSTALLATION. PROVIDE EXPERIENCED, WELL-TRAINED WORKERS COMPETENT TO COMPLETE THE WORK AS SPECIFIED. UNLESS APPROVED BY THE ARCHITECT, PROVIDE RELATED PRODUCTS AND ACCESSORIES FROM ONE MANUFACTURER. 	 COOLING SYSTEM, AIR CONDITIONING: REFRIGERATION OR COOLING UNIT SHALL BE AS MANUFACTURED BY LUXAIRE, LX SERIES, OR EQUAL. DUCTWORK REGISTER AND GRILLE SIZING SHALL BE AS INDICATED ON THE DRAWINGS. DUCT SIZE AND CFM QUANTITIES INDICATED ARE NOT TO CAUSE STATIC PRESSURE EXCEEDING FAN LIMITS. DIFFUSERS AND REGISTERS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS. SUPPLY REGISTERS SHALL BE: ALUMINUM, AS MANUFACTURED BY HART/COOLEY, OR EQUAL, ALUMINUM DOUBLE DEFLECTION REGISTERS. MODEL HVD TURNED 45 	DRAWN BY: JFT REVISED BY: CHECKED BY:
HEATING & COOLING SYSTEM GENERAL NOTES:	14. FLEX CONNECTORS: PROVIDE RUBBERIZED FABRIC TYPE FLEXIBLE CONNECTORS BETWEEN ALL FAN UNITS AND ALL DUCTWORK.	



- 2. HEATING/COOLING SYSTEM VARIABLE SPEED AIR SOURCE HEAT PUMP, LUXAIRE LX SERIES AIR SOURCE HEAT PUMP THDJD36S41S4+UC48C and THJD36S41S4+UC48C W/ HORIZONTAL AIR HANDLER, 230V, 10K HEATER , LEFT AIR FLOW, 1200CFM.
- 3. HEATING EFFICIENCY = 8.20 HSPF. COOLING EFFICIENCY = 14.50 SEER ALL DUCT SIZES INDICATED ARE NET SIZE INSIDE.
- 4. PROVIDE GALVANIZED STEEL SEAMLESS (ALL CORNERS FOLDED & TURNED WITHOUT NEED FOR SOLDER OR SEALANT) OVERFLOW DRAIN PAN WITH 2" HIGH SIDES, 4" WIDER AND 4" LONGER THAN ENTIRE FURNACE UNIT WITH LIQUID DETECTOR. DETECTOR ACTIVATION SHALL SHUT OFF FURNACE. SEE SPECIFICATIONS. ROUTE 3/4" PVC PIPE DRAIN BETWEEN CEILING JOISTS BENEATH UNIT TO WEST WALL OF BUILDING AND EXTEND 2" BEYOND FACE OF FINISH SIDING AS INDICATED ON PLANS. END OF DRAIN PIPE SHALL BE CUT AT 45° ANGLE WITH THE LONG END OF THE CUT AT THE UPPER SIDE OF THE PIPE. MAKE A SMALL PARTIAL CUT AT THE UNDERSIDE OF THE PIPE JUST BEFORE THE 45° CUT TO FORM A DRIP EDGE .
- FURNACE SHALL BE PAD MOUNTED WITHIN STAINLESS STEEL OVERFLOW DRAIN PAN, ON VIBRATION ISOLATOR PADS, AIRLOC, VIBE ISO BRAND 2" x 2" x 11/16" NEOPRENE PADS, OR EQUAL.
- 6. FURNACE FILTER SHALL BE BY ACCESSIBLE FILTER GRILLES INDICATED ON PLANS.
- CONNECT FURNACE UNIT TO DUCTWORK WITH REINFORCED FABRIC FLEX CONNECTIONS.
- 8. SEAL ALL DUCT JOINTS WITH NASHUA 360-45 HEAVY DUTY FOILMASTIC BUTYL RUBBER TAPE.
- 9. SUPPLY AND RETURN DUCTWORK SHALL BE RECTANGULAR AND ROUND GALVANIZED STEEL WITH FLEXIBLE RUN-OUTS NOT EXCEEDING 4'-0" LENGTH. ROUTE PERPENDICULAR AT TAP LOCATIONS AS INDICATED. ROUTE PARALLEL TAP LOCATIONS AS INDICATED. MINIMUM RADIUS OF BENDS 1 1/2 TIMES FLEX DUCT DIAMETER. RUNOUT FLEXDUCT EXTENSIONS ARE FOR INSTALLATION EFFICIENCY AND SOUND ATTENUATION.
- 10. PROVIDE NEW FRESH AIR SUPPLY INLET AS INDICATED TO RETURN DUCT FROM EXTERIOR AS INDICATED.
- 11. LOCATE ALL AIR DEVICE LOCATIONS WITH THE REFLECTED CEILING PLAN AS INDICATED. AIR DEVICES (REGISTERS) SHALL BE METALAIRE MODEL H4004-AF-01 HORIZONTAL VANE, DOUBLE DEFLECTION, 6" x 12". WHITE, CEILING SURFACE MOUNTED WITH HORIZONTAL VANES SET 22° TOWARD INTERIOR. INTERNAL VANES ONE HALF SET 22° TO LEFT AND ONE HALF SET 22° TO RIGHT FOR DISTRIBUTION INTO ROOMS AND ALONG EXTERIOR WALLS.
- 12. ALL HVAC EQUIPMENT, DUCTS, PIPES, INSULATION, ETC. SHALL HAVE A MINIMUM CLEAR SPACE OF 4" ABOVE CEILING JOISTS FOR INSULATION CLEARANCE AND VIBRATION ISOLATION.
- 13. PIPE UNIT MAIN CONDENSATE DRAIN OUTFLOW W/ 3/4" PVC PIPE WITHIN EXISTING BUILDING WALL DOWN THROUGH BUILDING AND UNDER FLOOR JOISTS SLOPED TO DRAIN 6" ABOVE GROUND AT EASTERN SIDE OF BUILDING, NOT UNDER BUILDING. END OF DRAIN PIPE SHALL BE CUT AT 45° ANGLE AT UNDERSIDE OF PIPE.
- 14. EXTEND REFRIGERANT PIPING FROM NEARBY ABOVE GROUND PLATFORM MOUNTED CONDENSING UNIT EAST OF BUILDING THROUGH UNDERGROUND 4" PIPE 'CONDUIT' TO UNDERSIDE OF BUILDING AND UP WITHIN EXISTING BUILDING WALL TO FURNACE UNIT AS INDICATED ON PLANS.
- 15. PROVIDE ALL MATERIALS AND EQUIPMENT INCLUDING ALL WOOD WALKWAY AND PLATFORM AS INDICATED ON PLANS AND LAY IN CEILING INSULATION, R-38, KRAFT FACED, KRAFT FACE DOWN BETWEEN ALL JOISTS.
- 16. INSULATE ALL REFRIGERANT SUCTION LINE PIPING/TUBING W/ 1/2" ARMACELL BRAND ARMAFLEX CLOSED CELL FOAM INSULATION. SECURE ALL REFRIGERANT PIPING TO STRUCTURE WITH FOAM LINED PIPE HANGERS DESIGNED SPECIFICALLY FOR SECURING REFRIGERANT PIPING.
- 17. ALL ARMAFLEX MATERIAL CUTS SHALL BE MADE WITH CLEAN VERY SHARP STRAIGHT KNIFE WITH UNIFORM CUT FOR FULL ARMAFLEX 500 ADHESIVE JOINING & SEALING PER MANUFACTURER'S INSTRUCTIONS.
- 18. PAINT ALL EXPOSED (NOT INTERIOR TO BUILDING & NOT INSIDE PIPE SLEEVE) WITH TWO COATS OF ARMACELL ARMAFLEX WB WHITE PAINTABLE INSULATION COATING. APPLY SECOND COAT ONLY AFTER FIRST COAT IS THOROUGHLY DRY FOR 4 OR MORE HOURS.
- 19. TEST AND BALANCE MECHANICAL SYSTEM TO ACHIEVE DESIGN SPECIFICATIONS AND SUBMIT RESULTS TO ARCHITECT FOR REVIEW.
- 20. SEE AND FOLLOW ALL SPECIFICATIONS RELATIVE TO HEATING AND COOLING WORK.



1 HVAC DUCT INSTALLATION DETAIL

M-1/ NOT TO SCALE

