

1
A1
EGRESS PLAN - GAC BUILDING
SCALE: 3/16" = 1'-0"

CODE ANALYSIS DETERMINATIONS:

PROJECT GENERAL INFORMATION

NAME OF PROJECT: GRANULAR ACTIVATED CARBON BUILDING AT ALBERTSON WATER DISTRICT
 ADDRESS: 57 STRATHMORE ROAD, MANHASSET, NY 11030
 PROPOSED USE: GRANULAR ACTIVATED CARBON ADSORPTION SYSTEM (PUBLIC WATER TREATMENT)
 OWNER OR AUTHORIZED AGENT: ALBERTSON WATER DISTRICT PHONE # (516) 621-3610
 OWNED BY: ALBERTSON CITY/COUNTY PRIVATE
 CODE ENFORCEMENT JURISDICTION: TOWN: NORTH HEMPSTEAD COUNTY: NASSAU STATE: NEW YORK

PROJECT DESCRIPTION:

PLANS ARE FOR THE CONSTRUCTION OF A NEW BUILDING: 1-STORY PACKED TOWER WATER AERATION BUILDING AND RELATED SITE IMPROVEMENTS.

- NEW CONSTRUCTION EXISTING STRUCTURE TENANT IMPROVEMENT
 CHANGE OF OCCUPANCY ADDITION ALTERATION REPAIR

APPLICABLE CODES:

ALL WITH 2017 UNIFORM CODE SUPPLEMENT AMENDMENTS
 BUILDING CODE OF NEW YORK STATE, 2015 (IBC2015)
 FIRE CODE OF NEW YORK STATE, 2015 (IFC2015)
 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, 2015 (ECCC 2015)
 PLUMBING CODE OF NEW YORK STATE, 2015
 MECHANICAL CODE OF NEW YORK STATE, 2015
 FUEL GAS CODE OF NEW YORK STATE, 2015
 2010 ADA STANDARDS AND ANSI 117.1.2009

OCCUPANCY CLASSIFICATION: (CHAPTER 3)

- FACTORY & INDUSTRIAL: F-1 F-2
 HIGH HAZARD: H-1 H-2 H-3 H-4 H-5
 STORAGE: S-1 S-2 HIGH FILED
 UTILITY AND MISC.: U

INCIDENTAL USES: (SECTION 509) NO YES 509.2 509.3 509.4

MIXED OCCUPANCY: (SECTION 508) NO YES SEPARATION: N/A HR. EXCEPTION: N/A
 (TABLE 508.4)

- NON-SEPARATED MIXED OCCUPANCY (SECTION 508.3)
 THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
 SEPARATED MIXED OCCUPANCY (SECTION 508.4) - SEE CALCULATIONS. IN EACH STORY, THE BUILDING AREA SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH OCCUPANCY DIVIDED BY THE ALLOWABLE AREA FOR EACH OCCUPANCY SHALL NOT EXCEED 1.

$$(A) \frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} = \text{N/A}$$

$$(B) \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} = \text{N/A}$$

$$\text{N/A} \leq 1.00$$

TYPE OF CONSTRUCTION:

CONSTRUCTION TYPE: I-A I-B II-A II-B III-A III-B IV V-A V-B (CHAPTER 6)

MIXED CONSTRUCTION: YES NO TYPES: _____

FIRE SPRINKLERS: YES NO NFPA 13 NFPA 13R NFPA 13D (903, 903.3)

EQUIPMENT PLATFORM: YES NO ALLOWABLE AREA LIMITATION: EQUIPMENT PLATFORM SHALL NOT BE GREATER THAN 1/4 OF THE AREA OF THE ROOM IN WHICH THEY ARE LOCATED (SECTION 505.3.1)

LIFE SAFETY SYSTEM REQUIREMENTS: (REFER TO EGRESS PLAN AND ELECTRICAL DRAWINGS)

- MEANS OF EGRESS ILLUMINATION: (SECTION 1008) NO YES
 EXIT SIGNS: (SECTION 1013.1) NO YES NOT REQUIRED, EXCEPTION 1: NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY 1 EXIT OR EXIT ACCESS.
 FIRE ALARM: (SECTION 907.2.4) NO YES
 SMOKE DETECTION SYSTEM: (SECTION 907) NO YES
 PANIC HARDWARE: (SECTION 1010.1.10) NO YES OCCUPANT LOAD IS LESS THAN 50
 FIRE EXTINGUISHERS: (SECTION 906) NO YES

ACCESSIBILITY SCOPING REQUIREMENTS: (SECTION 1103)

- REQUIRED: NO YES NOTES:
 1103.1 WHERE REQUIRED: SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES, TEMPORARY OR PERMANENT, SHALL BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES.
 1103.2 GENERAL EXCEPTIONS: SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES SHALL BE EXEMPT FROM THIS CHAPTER TO THE EXTENT SPECIFIED IN THIS SECTION.
 1103.2.9 EQUIPMENT SPACES: SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT ARE NOT REQUIRED TO COMPLY WITH THIS CHAPTER.

BUILDING AREAS (GROSS SF):

FLOOR	ROOM NAME	TANK ROOM
FIRST FLOOR	GAC ROOM	1,376 SF
	TOTAL	1,376 SF

ALLOWABLE AREA: (TABLE 506.2)

STORY NO.	OCCUPANCY CLASS.	PROPOSED BLDG. AREA PER STORY	ALLOWABLE AREA		
			<input checked="" type="checkbox"/> NS	<input type="checkbox"/> S1	<input type="checkbox"/> SM
01	F-2	1,376 SF	13,000 SF		
M	F-2	135 SF	13,000 SF		
TOTAL		1,511 SF	13,000 SF		

ALLOWABLE HEIGHT:

BUILDING HEIGHT (FT)	PROPOSED	ALLOWABLE		NOTES
		<input checked="" type="checkbox"/> NS	<input type="checkbox"/> S	
	35'-0" (AVERAGE ROOF HEIGHT)		40'-0"	TABLE 504.3
	BUILDING HEIGHT (STORIES)	1 STORY	2 STORY	TABLE 504.4

OCCUPANCY LOADS: (TABLE 1004.1.2)

ROOM NAME	FUNCTION OF SPACE	OCC. LOAD FACTOR (GROSS)	PROPOSED AREA (GROSS)	OCC. LOAD
GAC TREATMENT ROOM	MECH EQUIPMENT	300	1,376 SF	5
TOTAL			1,376 SF	5

EGRESS REQUIREMENTS - NUMBER AND ARRANGEMENT OF EXITS: (REFER TO EGRESS PLAN)

OCC. LOAD	FLOOR, ROOM, OR SPACE DESIGNATION	MINIMUM NUMBER OF EXITS ²		TRAVEL DISTANCE ^{3,4}				ARRANGEMENT MEANS OF EGRESS ⁵	
		REQUIRED	PROPOSED	COMMON PATH		TRAVEL DISTANCE		REQUIRED DISTANCE BETWEEN EXIT DOORS	PROPOSED DISTANCE
				ALLOWED	PROPOSED	ALLOWED	PROPOSED		
5	GAC TREATMENT ROOM	1 (OCC LOAD IS <49)	2	75'	46'	300'	65'	N/A, 1 EXIT REQ'D	N/A

¹ CORRIDOR DEAD ENDS (SECTION 1020.4)
² SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1), MULTIPLE EXITS (SECTION 1006)
³ COMMON PATH OF TRAVEL (TABLE 1006.2.1)
⁴ EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
⁵ EXIT AND EXIT ACCESS DOORWAY CONFIGURATION (SECTION 1007)

EGRESS REQUIREMENTS - EXIT WIDTHS: (SECTION 1005.3.2 AND 1010.1.1)

OCC. LOAD	FLOOR, ROOM, OR SPACE DESIGNATION	CAPACITY FACTOR REQUIRED PER OCC.	REQUIRED EXIT WIDTH	PROPOSED EXIT WIDTH
5	GAC TREATMENT ROOM	0.2"	32"	40" 80"

INTERIOR FINISHES - FLAME SPREAD RATING WALL & CEILING:

INTERIOR WALL & CEILING FINISH REQUIREMENTS BY OCCUPANCY (TABLE 803.3)	GROUP	NON-SPRINKLERED	
		ROOMS & ENCLOSED SPACES	PROPOSED
	F-2	C	C (OR BETTER)

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84. SUCH INTERIOR FINISHES MATERIAL SHALL BE GROUP IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD INDEX.

- CLASS A : FLAME SPREAD INDEX 0-25. (VERTICAL EXITS & EXIT PASSAGEWAYS) (EXIST ACCESS CORRIDOR & OTHER EXITWAYS)
- CLASS B : FLAME SPREAD INDEX 26-75
- CLASS C : FLAME SPREAD 76-200. (ROOMS & ENCLOSED SPACES)

BUILDING THERMAL ENVELOPE COMPLIANCE - C402.1. GENERAL (PRESCRIPTIVE COMPLIANCE)

TABLE C402.1.3- INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT - CLIMATE ZONE 4A (NASSAU COUNTY, NY)
 TABLE C402.1.4 FOR SWINGING DOOR COMPLIANCE

COMPONENT	DESCRIPTION	R-VALUES (U.O.A.)		NOTES
		REQUIRED	PROPOSED	
ROOF	METAL BUILDINGS	R-19 + R-11 LS	R-32.5ci	
WALLS	METAL BUILDING	R-13 + R13ci	R-9.8ci	
	BELOW-GRADE WALL	R-7.5ci		
SLABS	UNHEATED SLABS	R-10 @24"	R-10@24"	
DOORS	SWINGING	U-0.61	U-0.61	

STATEMENT OF COMPLIANCE NOTE:

- AS THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THESE PLANS, I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2015 NYS ENERGY CONSTRUCTION CODE.

FIRE EXTINGUISHERS
 PROVIDE WALL-MOUNTED FIRE EXTINGUISHERS FOR LIGHT HAZARD OCCUPANCY PER CODE TABLE 906.3 AS FOLLOWS:
 1ST FLOOR - 1,376 SF / 3,000 SF = ONE CLASS 2ABA EXTINGUISHERS
 SEE PLANS ON A1 FOR FIRE EXTINGUISHER LOCATIONS. ALL TRAVEL DISTANCES TO FE'S < 75 FT.

LEGEND:

- F - OCCUPANCY GROUP
- - REMOTE POINT
- (46')— - DISTANCE OF TRAVEL
- ▶ - DIRECTION OF TRAVEL
- FE - FIRE EXTINGUISHER
- ↑ - EXITS

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 DESIGNED BY: GEO
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ALBERTSON WATER DISTRICT
 NASSAU COUNTY NEW YORK
 GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

CONTRACT NO.
CODE ANALYSIS AND GENERAL NOTES
 Architectural

PROJECT NO. 5425
 DATE: APRIL 2020
 SCALE: 1"=10'
 DRAWING NO. **A1**

**EXCAVATE
AREA FOR NEW
BUILDING
FOUNDATION
AND SLAB**

PROTECT EXISTING WALLS AND FOUNDATIONS DURING CONSTRUCTION

SAW CUT AND REMOVE FLOOR IN THIS AREA

PROTECT EXISTING WINDOW DURING ALL CONSTRUCTION ACTIVITIES

INSTALL GRATING IN THIS AREA OF FLOOR. SUPPORT ON THE ANGLES

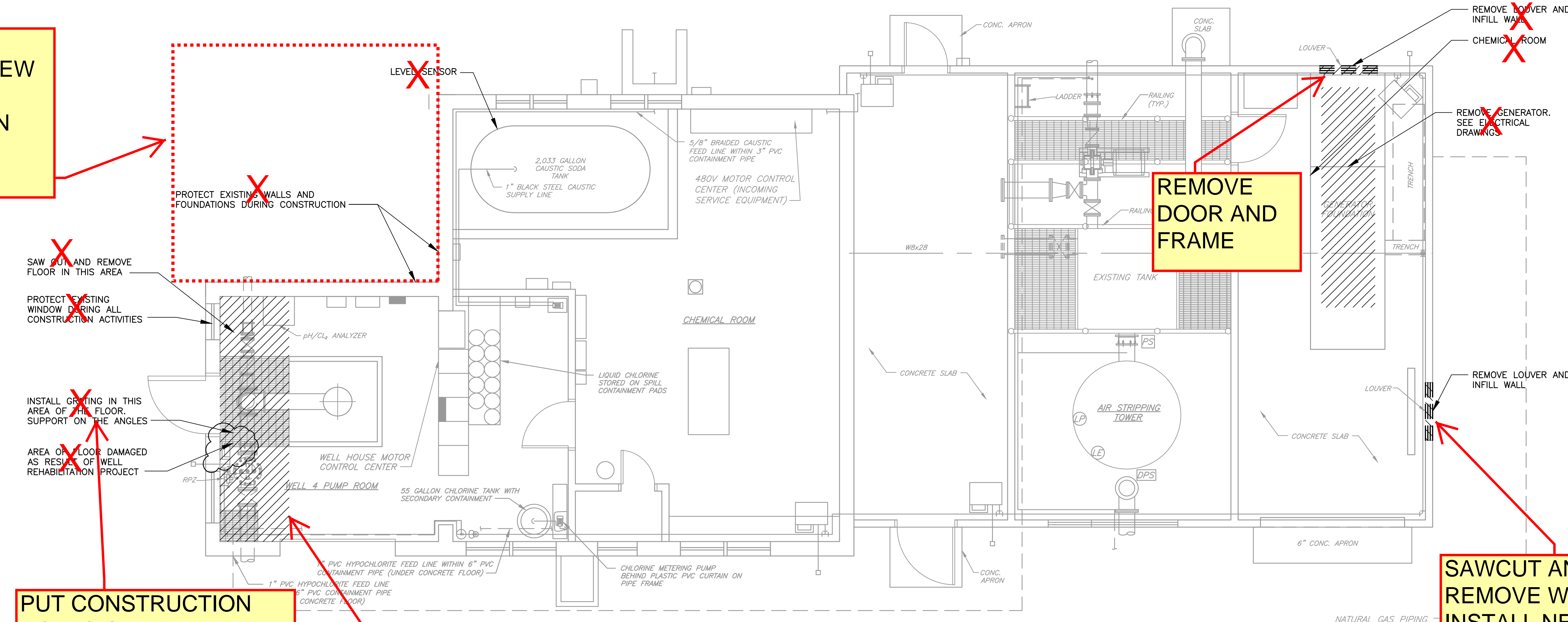
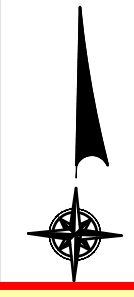
AREA OF FLOOR DAMAGED AS RESULT OF WELL REHABILITATION PROJECT

PUT CONSTRUCTION NOTES ON CONSTRUCTION PLAN

SAWCUT AND REMOVE DAMAGED SLAB IN THIS AREA - (DIM. APPROX. V.I.F.)

REMOVE DOOR AND FRAME

SAWCUT AND REMOVE WALL TO INSTALL NEW HM DOOR



1 FIRST FLOOR EXISTING / DEMO PLAN
A2 SCALE: 1/4" = 1'-0"

**4.22.20 MARK-UPS
BA**

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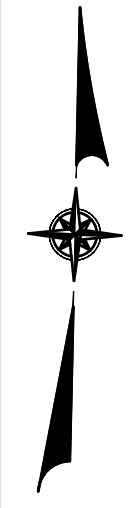
ALBERTSON WATER DISTRICT
NASSAU COUNTY NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

**WELL NO. 4 AND PTAS BUILDING
EXISTING/DEMOLITION FLOOR PLAN**

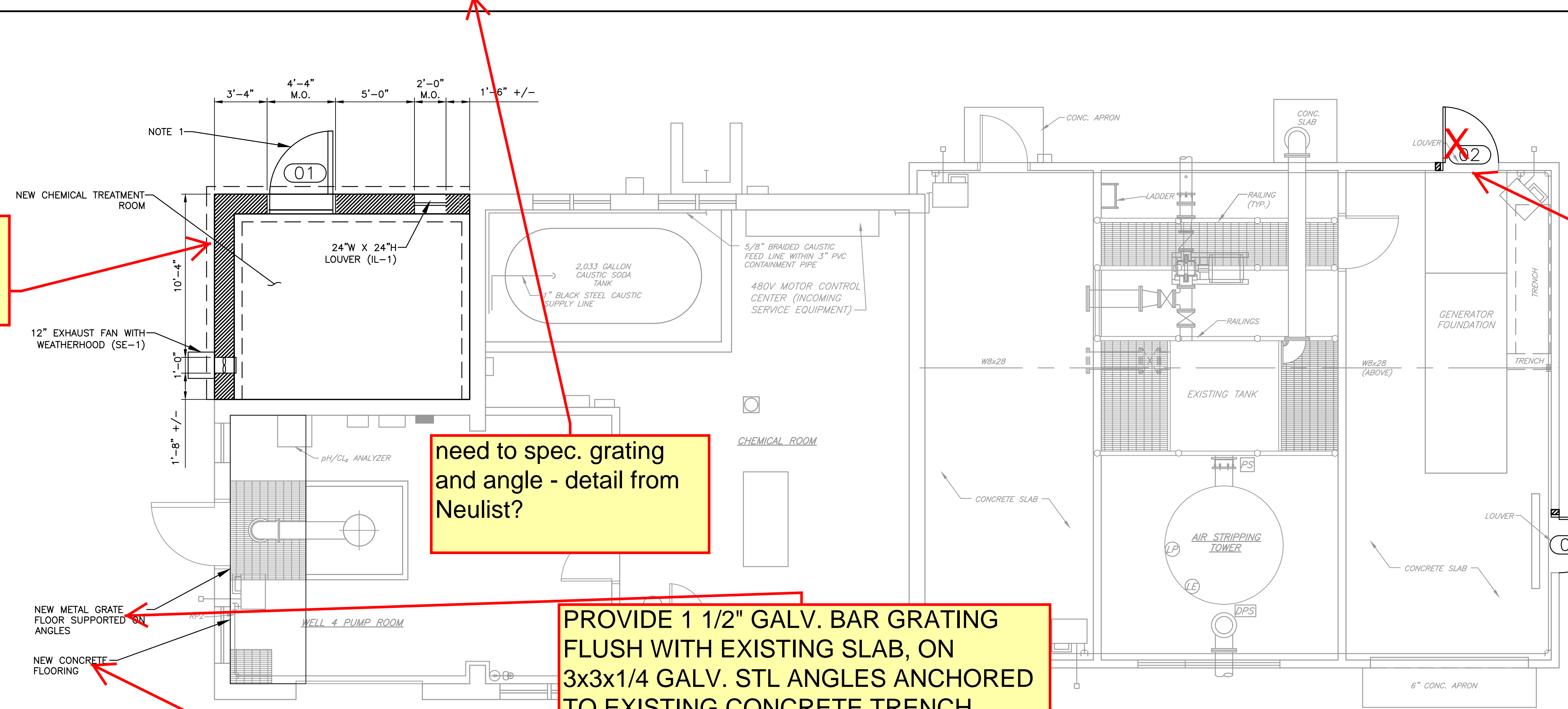
PROJECT NO. 5425
DATE: APRIL 2020
SCALE: AS NOTED

DRAWING NO. **A2**

F:\5425-AWD_GAC-WELL-4\DWG\EXISTING DEMO FLOOR PLAN.dwg, A2, 4/22/2020 7:43:18 PM, dbramer



NEW BUILDING ADDITION



need to spec. grating and angle - detail from Neulist?

PROVIDE 1 1/2" GALV. BAR GRATING FLUSH WITH EXISTING SLAB, ON 3x3x1/4 GALV. STL ANGLES ANCHORED TO EXISTING CONCRETE TRENCH WALLS WITH 1/2" x 4" EXPANSION ANCHORS AT 12" O.C.

AREN'T WE JUST REMOVING LOUVER AND BLOCKING UP OPENING PER ANTHONY'S EMAIL TO ALL OF US LAST FRIDAY AND EARLY T SCOPE DWG CORRECT?

PROVIDE NEW HM DOOR AND FRAME (NEED DETAIL)

PROVIDE NEW 5" SLAB (+/- MATCH AND ALIGN WITH EXISTING SLAB V.I.F.) ON CRUSHED STONE WITH 6X6 10:10 WWM AND VAPOR BARRIER. PROVIDE 8" #4 DOWELS EPOXIED W/ 4" EMBEDMENT @ 24" O.C. TO SURROUNDING CONCRETE (ALL SIDES)

1 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

KEY

	NEW MASONRY WALL
	EXISTING WALL (V.I.F.)

NOTES:

1. 4'-0" x 8'-0" x 1 3/4" INSULATED HOLLOW METAL WITH FULLY WELDED, CLOSE TOP, HOT DIPPED GALVANIZED H.M. DOOR & FRAME (PRIMED & PAINTED) WITH WEATHERSTRIPPING, INTERLOCKING ALUMINUM SADDLE WITH SEAL AND STAINLESS STEEL HARDWARE, SCHLAGE ND SERIES CYLINDRICAL LOCK (STOREFRONT FUNCTION) & B250 SERIES DEADBOLT & HINGES WITH NON-RISING PINS.

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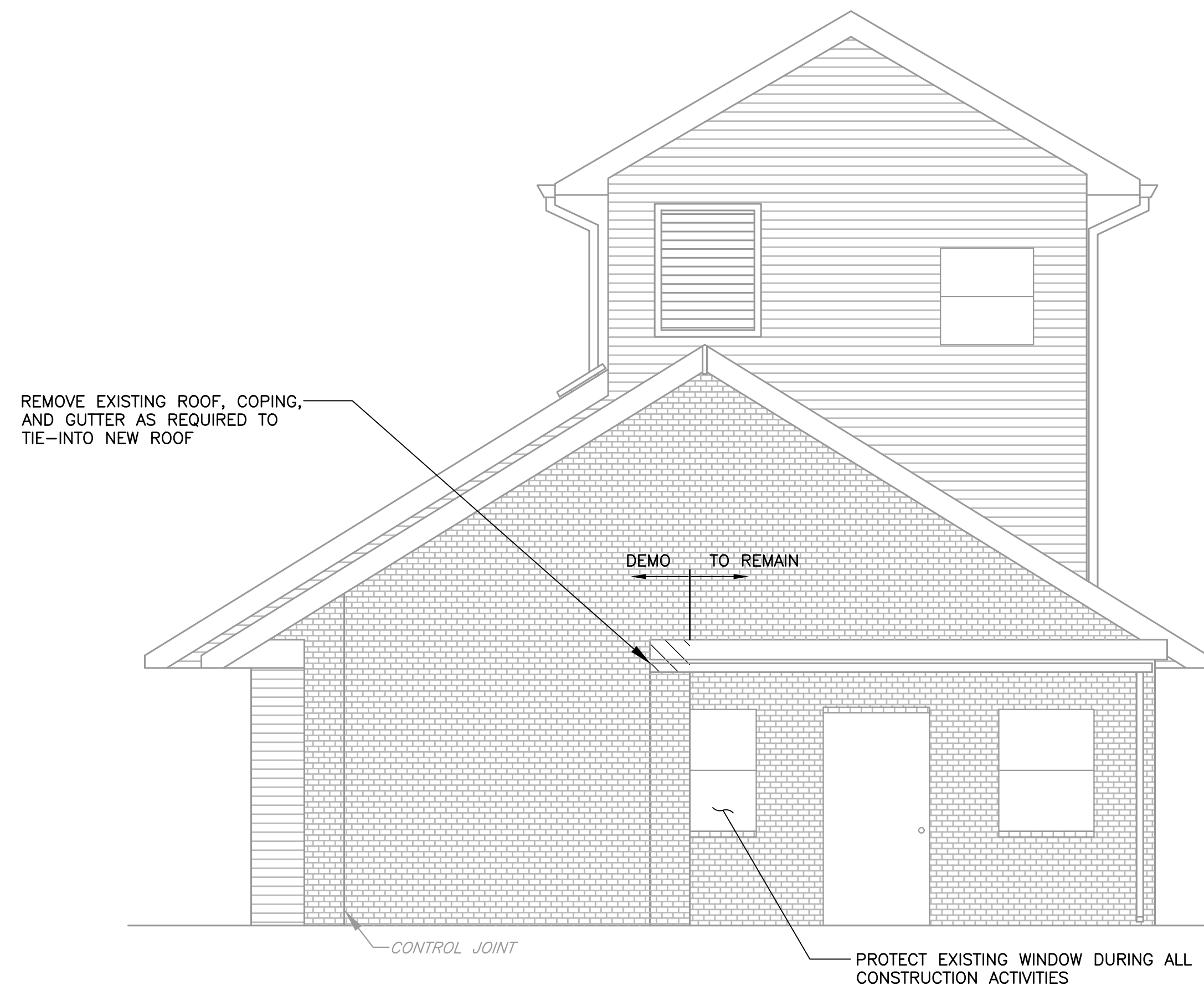


ALBERTSON WATER DISTRICT
 NASSAU COUNTY NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

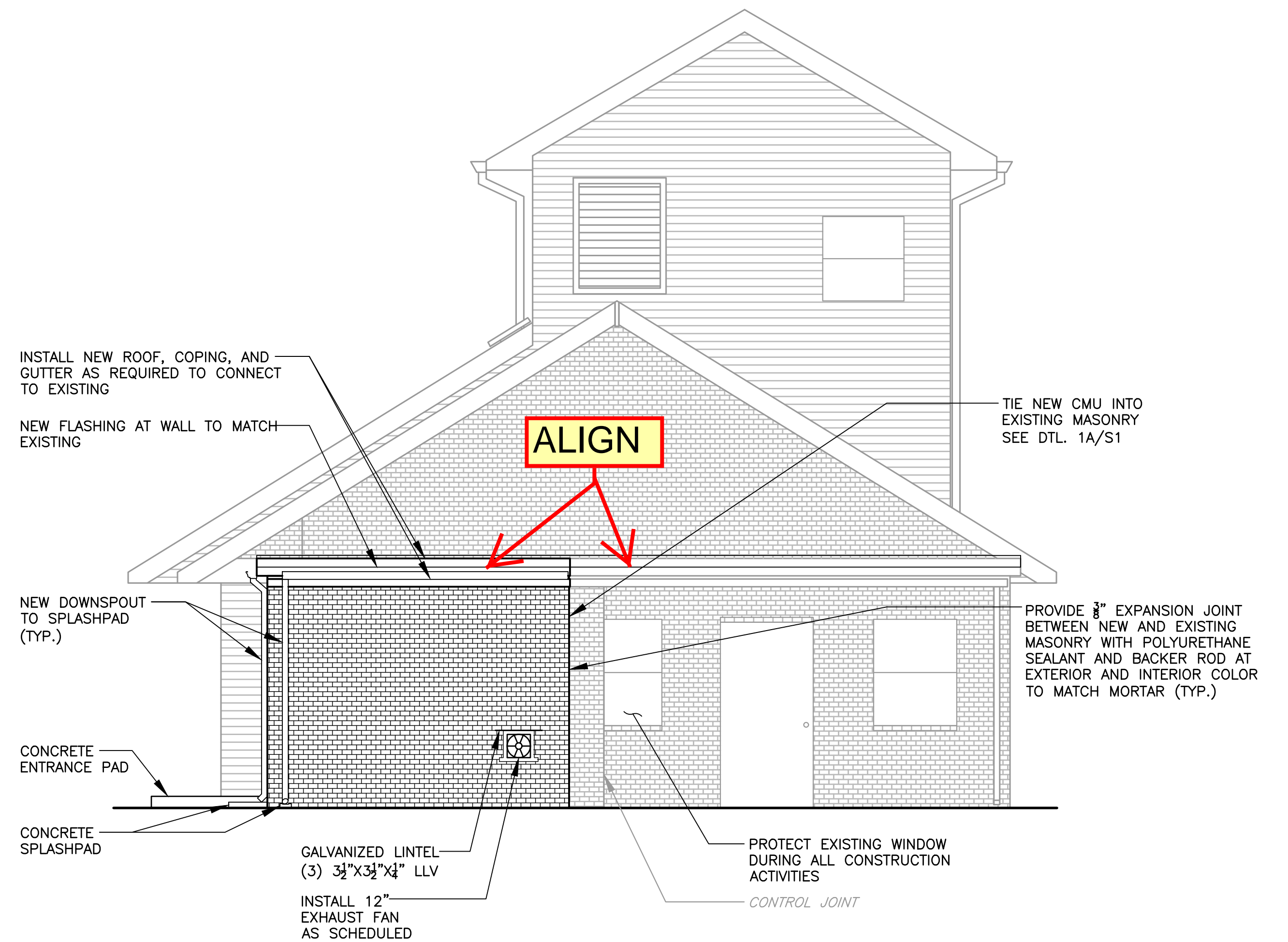
WELL NO. 4 AND PTAS BUILDING FLOOR PLAN

PROJECT NO. 5425	DRAWING NO. A3
DATE: APRIL 2020	SCALE: 1/4"=1'-0"

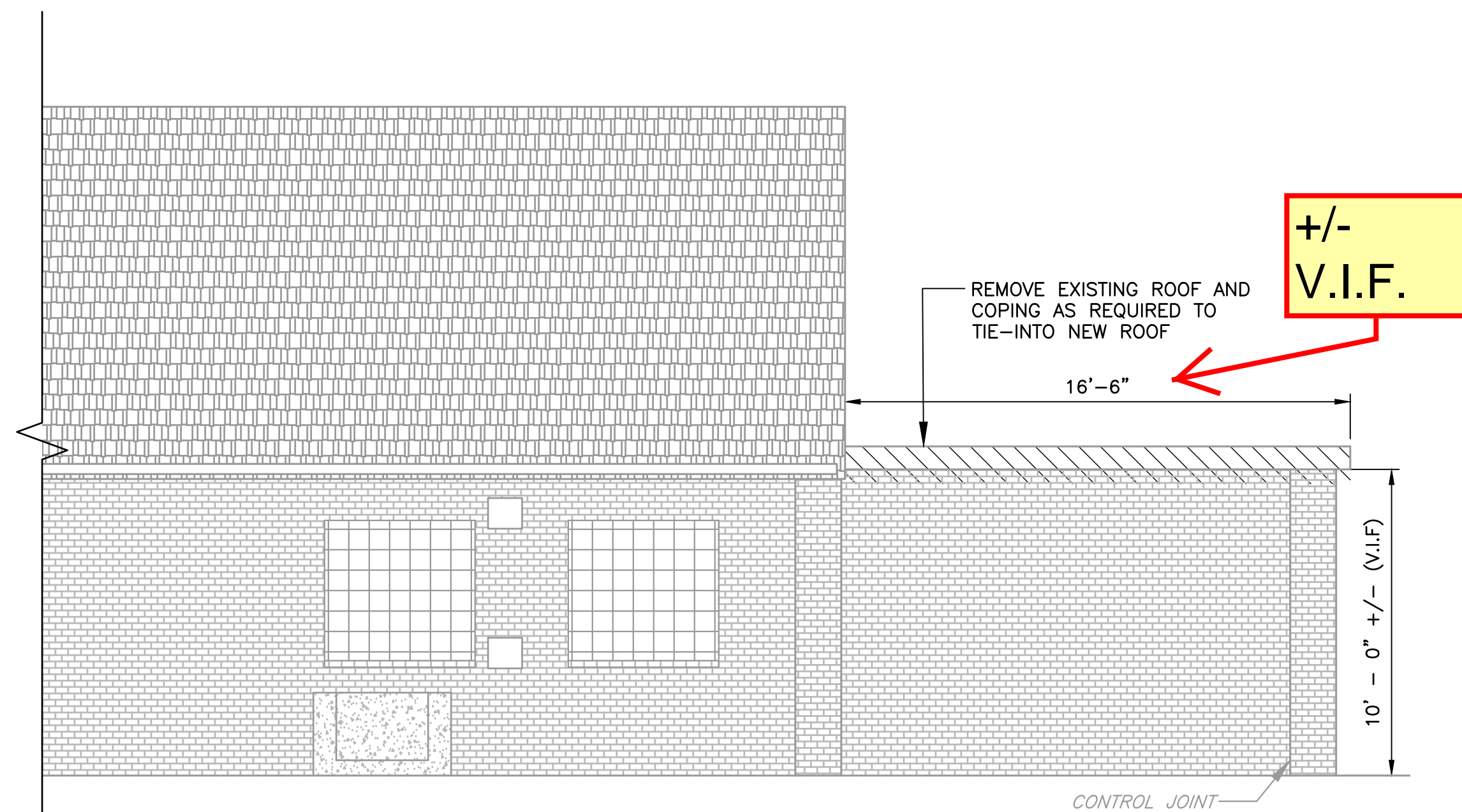
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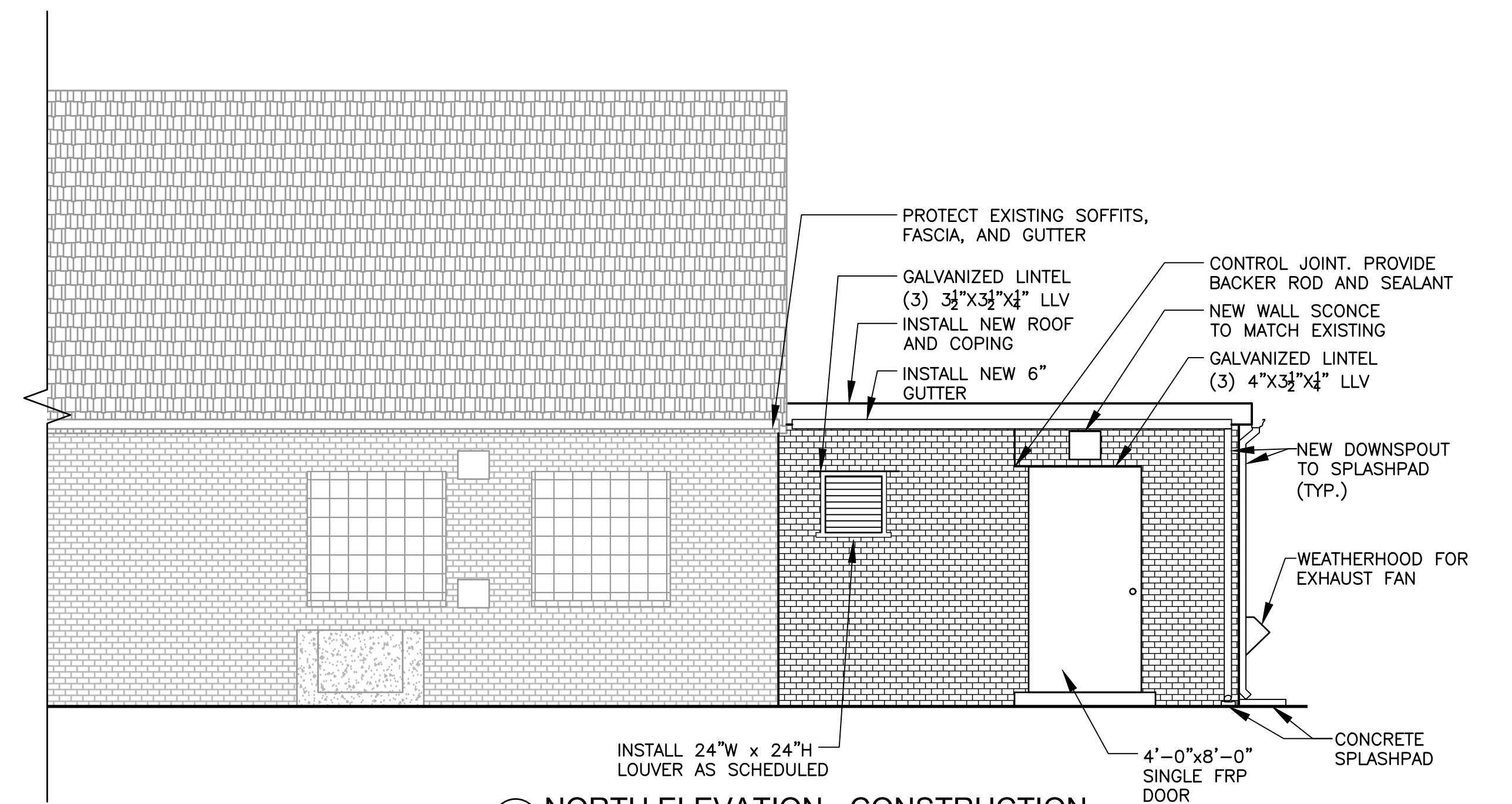
1 EAST ELEVATION - DEMOLITION
SCALE: 1/4" = 1'-0"



3 EAST ELEVATION - CONSTRUCTION
SCALE: 1/4" = 1'-0"



2 NORTH ELEVATION - DEMOLITION
SCALE: 1/4" = 1'-0"



4 NORTH ELEVATION - CONSTRUCTION
SCALE: 1/4" = 1'-0"

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ALBERTSON WATER DISTRICT	
NASSAU COUNTY	NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4	

WELL NO. 4 AND PTAS BUILDING DEMOLITION/CONSTRUCTION ELEVATIONS	
ARCHITECTURAL	

PROJECT NO. 5425	DRAWING NO. A4
DATE: APRIL 2020	
SCALE: 1/4" = 1'-0"	

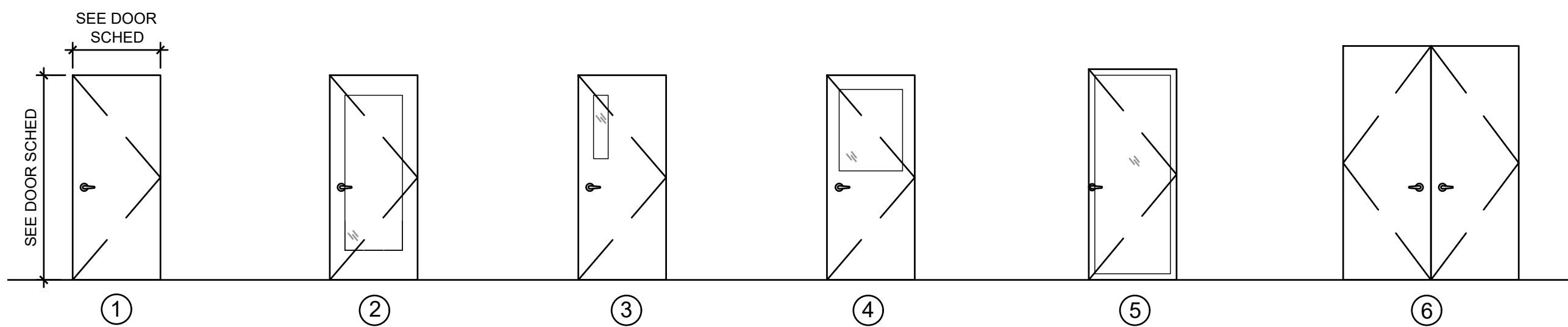
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DOOR SCHEDULE:

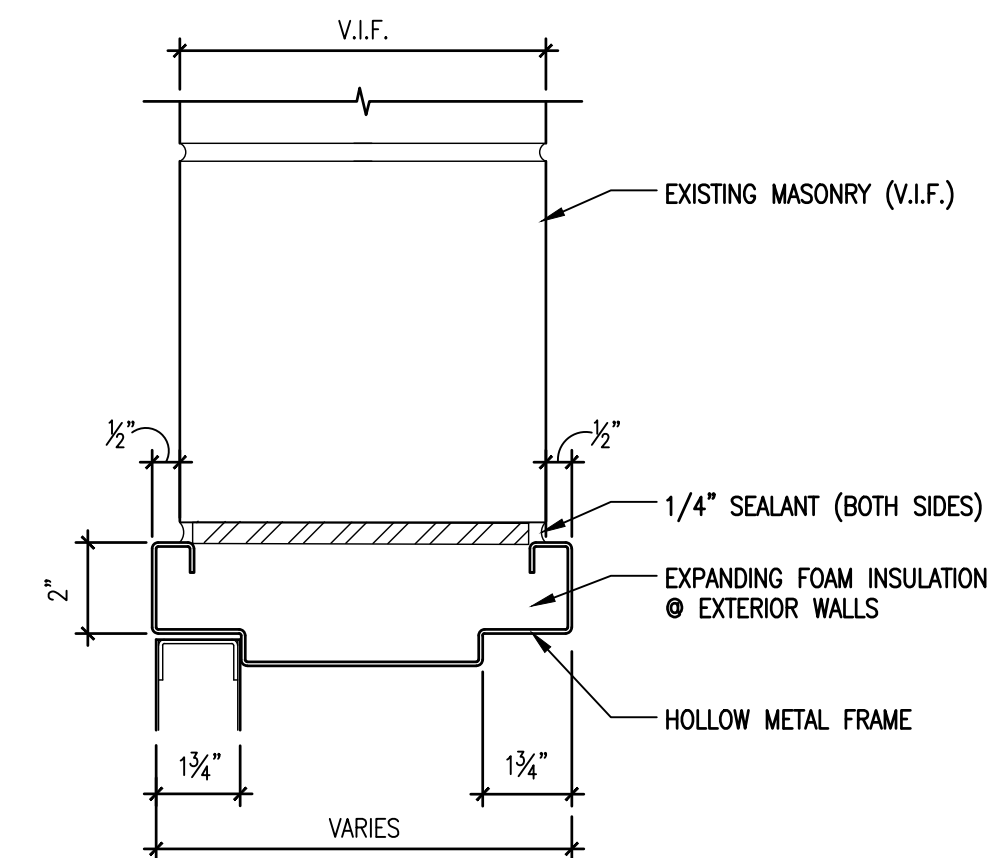
DOOR NO.	INT/EXT.	TYPE	MAT.	DOOR			FRAME			FIRE RATING	HARDWARE SET	REMARKS
				NOMINAL SIZE	WID.	HGHT.	THICK.	MAT.	HEAD			
FIRST FLOOR												
001	EXT.	-	HM	4'-0"	7'-0"	1-3/4"	HM	-	-	-	-	DOOR AND HARDWARE BY OTHERS
002	EXT.	-	HM	3'-6"	7'-0"	1-3/4"	HM	-	-	-	-	DOOR AND HARDWARE BY OTHERS
003	EXT.	-	HM	3'-6"	7'-0"	1-3/4"	HM	-	-	-	-	DOOR AND HARDWARE BY OTHERS

TYPICAL DOOR AND FRAME MATERIALS:

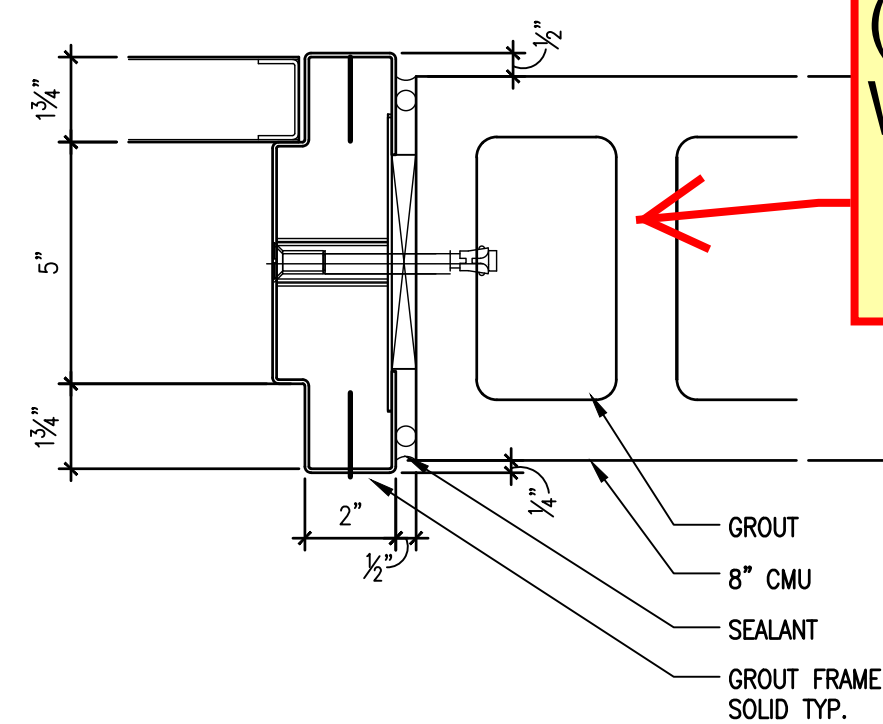
HM = HOLLOW METAL
 WD = WOOD
 G = GLASS
 NOTES: ALL EXTERIOR DOORS TO BE INSULATED.
 FIELD VERIFY EXISTING SIZES FOR DOORS THAT ARE TO BE REPLACED.



1 DOOR TYPES
 SCALE: 1/4" = 1'-0"



2 HEAD
 SCALE: 3" = 1'-0"

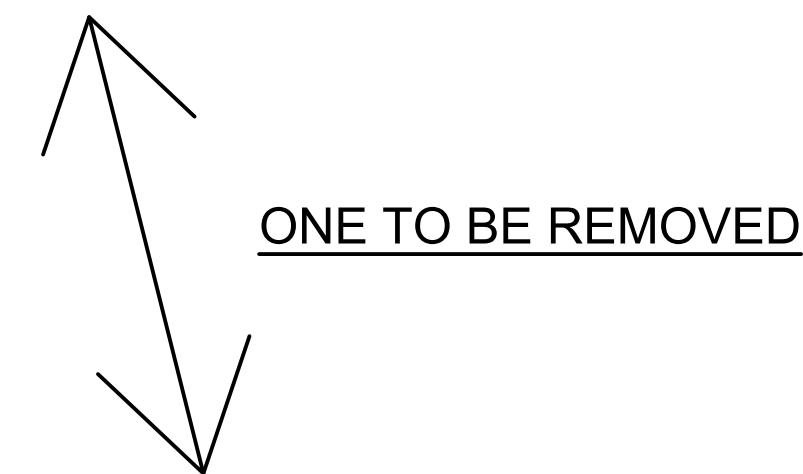


X JAMB
 SCALE: 3" = 1'-0"

WE HAVE BRICK (& BLOCK?) WALLS

LOUVER DETAIL

HARDWARE SETS:				
	QTY:	MODEL	BRAND	NOTES:
HARDWARE SET 1:				
PUSH/PULL				
HINGE:				
CLOSER:				
SADDLE:				
WEATHERSTRIPPING:				
KICKPLATE:				
HARDWARE SET 2:				
PUSH/PULL				
HINGE:				
CLOSER:				
SADDLE:				
WEATHERSTRIPPING:				
KICKPLATE:				



HARDWARE SETS:

HARDWARE SET 1:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

HARDWARE SET 4:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

HARDWARE SET 2:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

HARDWARE SET 5:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

HARDWARE SET 3:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

HARDWARE SET 6:

PUSH/PULL:	1	POST MOUNT SERIES	ROCKWOOD	LOCKING PUSH/PULL
HINGE:	3		YALE	
CLOSER:	1		YALE	HOLD OPEN
SADDLE:	1		PEMKO	
WEATHERSTRIPPING:				
KICKPLATE:	2	8400	IVES	

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DESIGNED BY: GEO	CHECKED BY: AC



ALBERTSON WATER DISTRICT	
NASSAU COUNTY	NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4	

CONTRACT NO.	
WELL NO. 4 AND PTAS BUILDING	
Door & Window Schedules & Details	
Architectural	

PROJECT NO. 5425	A5
DATE: APRIL 2020	
SCALE: 1"=10'	

GENERAL NOTES:

- ALL DOORS SHALL BE FIELD VERIFIED PRIOR TO OPENING
- ALL DOORS SHALL MATCH EXISTING SIZE, COLOR, AND STYLE, UNLESS NOTED OTHERWISE.
- ALL DOORS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ALL CONDITIONS IN FIELD. ANY DISCREPANCIES FROM WHAT IS INDICATED ON THE CONTRACT DOCUMENTS ARE TO BE BROUGHT TO THE ARCHITECT OF RECORD'S ATTENTION. EXISTING CONDITIONS ARE TO BE INDICATED ON SHOP DRAWING SUBMITTALS.
- ALL HM FRAMES TO BE 16 GA. ALL EXTERIOR HM FRAMES TO BE FULLY WELDED AND HOT DIP GALVANIZED. ALL INTERIOR HM FRAMES MAY BE KNOCK DOWN RO WELDED FRAMES.
- EXTERIOR HM DOORS TO BE 18 GA. FULLY WELDED AND HOT DIP GALVANIZED WITH CLOSED TOP.
- KEY LOCKS IN COORDINATION WITH OWNER'S KEYING & MASTER KEY SYSTEMS.
- VERIFY ALL HARDWARE WITH OWNER BEFORE ORDERING.
- PROVIDE 3 DOOR SILENCERS PER JAMB.
- HARDWARE TRIM HEIGHT SHALL BE PER ICC/ANSI A117.1-2009.

DOOR/ HARDWARE NOTES:

- REINSTALLED HARDWARE TO MATCH FUNCTION / COMPONENTS CALLED FOR IN HARDWARE SCHEDULE. COORDINATE ANY PROPOSED CHANGES WITH OWNER U.O.N.
- ALL INTERIOR HINGES TO BE 1-1/2 PAIR, U.O.N.
- ALL SADDLES TO BE ADA COMPLIANT. BATHROOM SADDLES TO BE STONE.
- ALL INTERIOR DOORS TO HAVE SILENCERS.

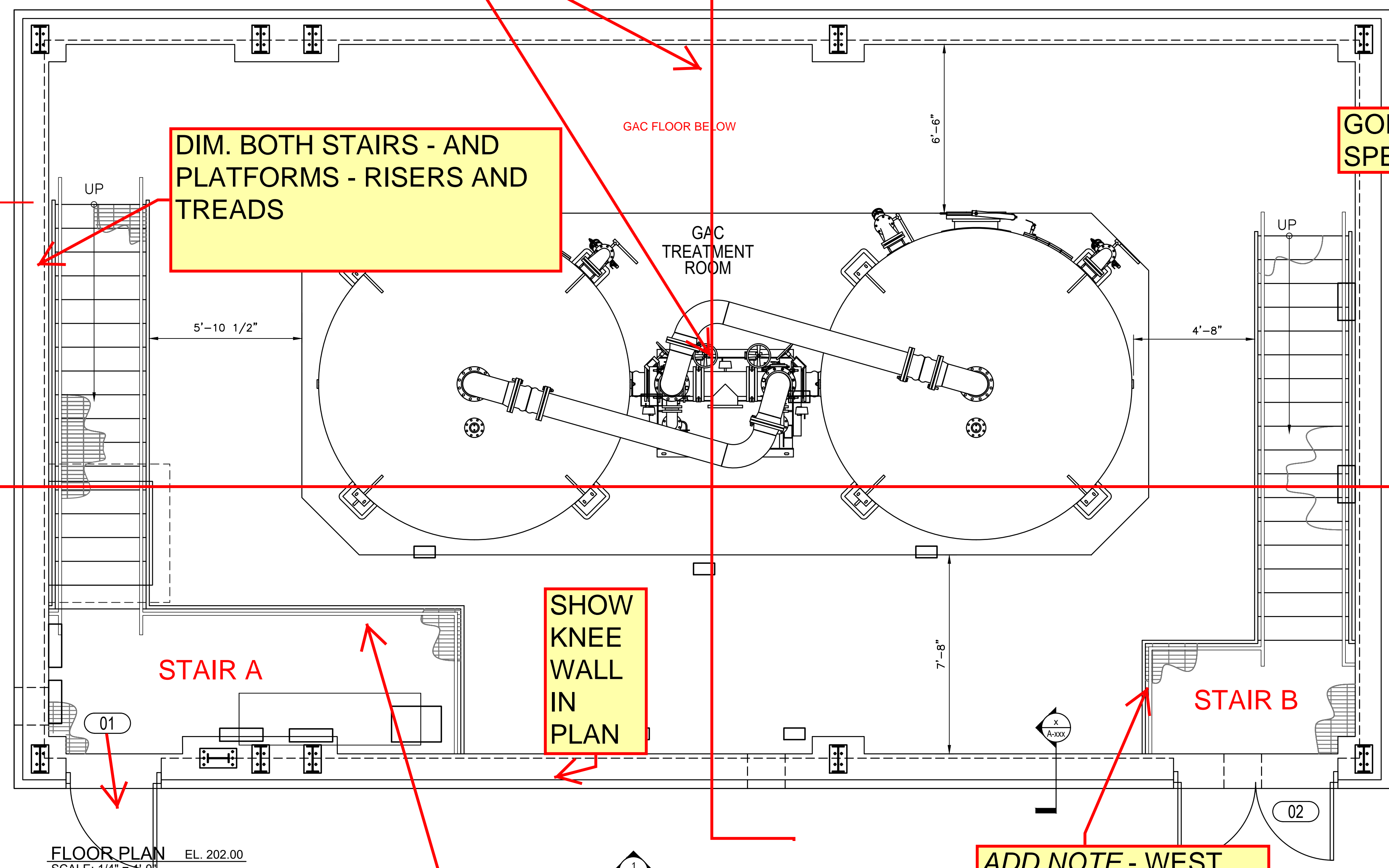
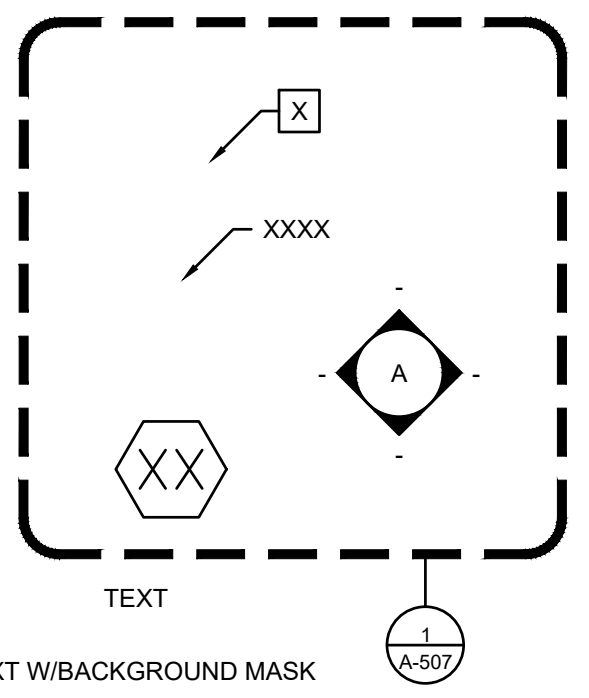
SHEET LEGEND:

	CONCRETE
ROOM NAME	ROOM TAG
	DOOR & TAG
	ROOF DRAIN
	FLOOR DRAIN
	H.P. HIGH POINT
	L.P. LOW POINT

- GENERAL NOTES:**
- ~~WATER TREATMENT TANKS AND PIPING WILL BE IN PLACE AND OPERATIONAL DURING THIS BUILDING ENVELOPE CONSTRUCTION AND MUST BE PROTECTED FROM DAMAGE. REPAIR ALL DAMAGE TO THE CONSTRUCTION OR DEFER TO THE CONTRACTOR BY MANUFACTURER COOK AND KRUPA. SEE STRUCT. DWGS.~~
 - ~~METAL BUTTER BUILDING BY MANUFACTURER COOK AND KRUPA. SEE STRUCT. DWGS.~~

- FINISH NOTES:**
- ~~ALL INTERIOR WALLS TO RECEIVE WHITE EPOXY PAINT FINISH.~~
 - ~~CONCRETE FLOOR SLAB TO HAVE SEALED STEEL TROWELED FINISH.~~
 - ~~INSULATED HOLLOW METAL DOORS AND FRAMES TO HAVE SEMI-GLOSS LATEX PAINT. COLOR TO BE SELECTED BY CLIENT.~~
 - ~~METAL ROOF DECK AND BAR JOISTS TO HAVE WHITE EPOXY PAINT FINISH.~~

- KEY NOTES:**
- GAC PAD
 - LOUVER. REFER TO ARCHITECTURAL ELEVATIONS, MECHANICAL/HVAC DWGS.
 - PITCH STARTS AT INTERIOR FOUNDATION WALL FACE
 - FOUNDATION WALL
 - REMOVABLE GUARD RAIL



NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE	DRAWN BY: GEO
DESIGNED BY: GEO	CHECKED BY: AC

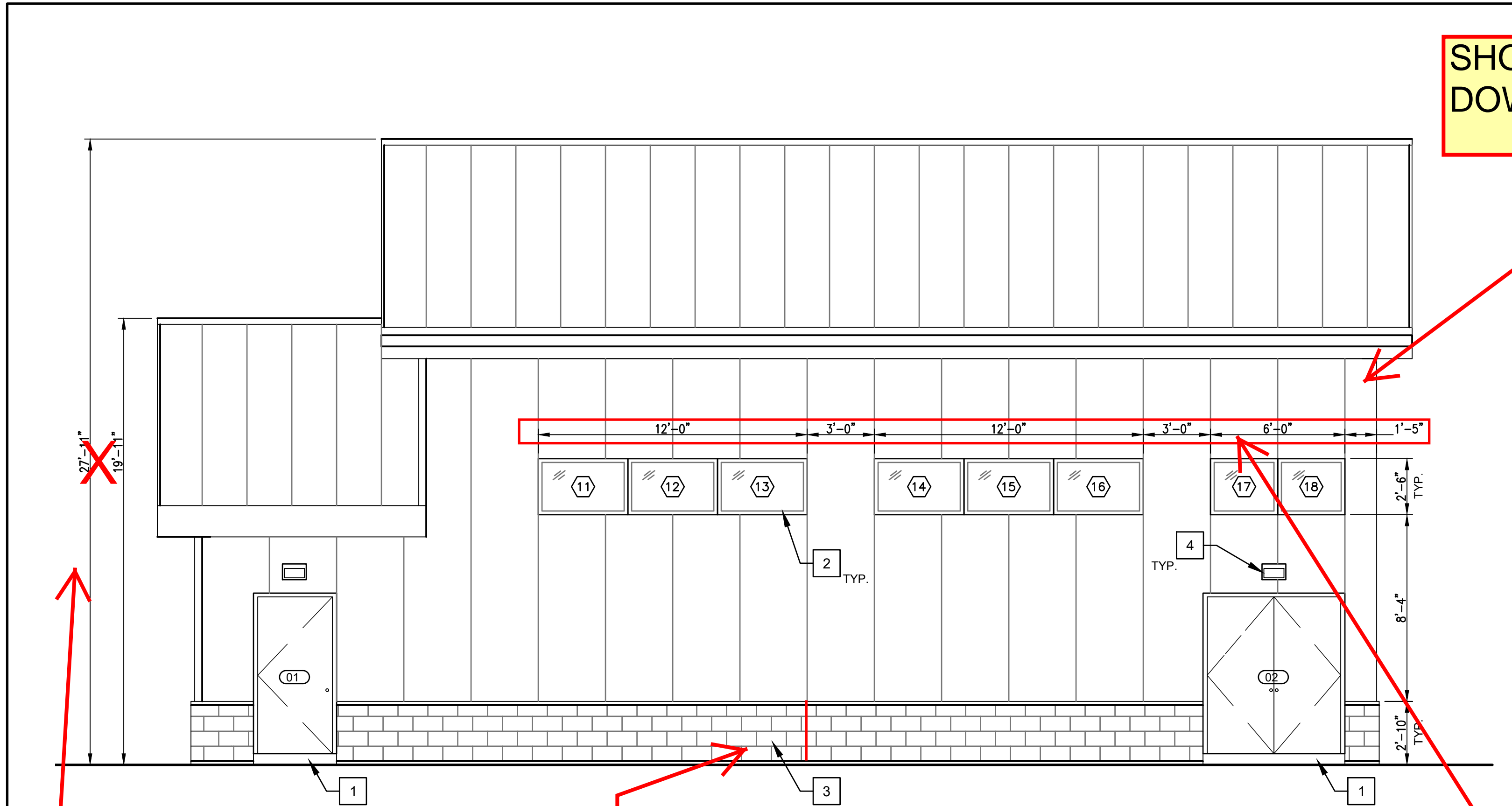


ALBERTSON WATER DISTRICT
NASSAU COUNTY NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

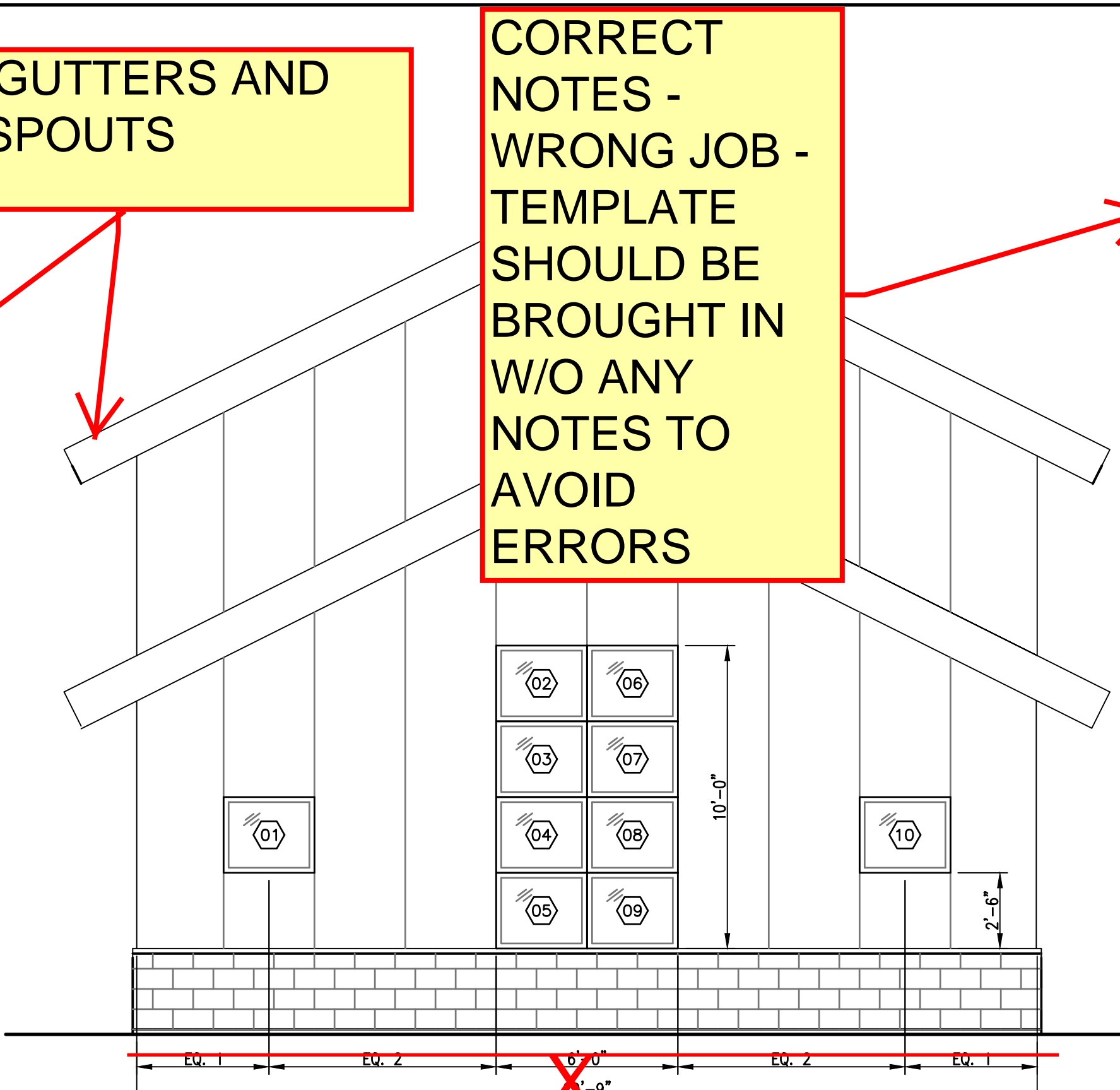
BUILDING FLOOR PLAN AND DETAILS EL. 202.00
Architectural

CONTRACT NO.	PROJECT NO.	DRAWING NO.
	5425	A6
DATE:	SCALE:	
APRIL 2020	1"=10'	

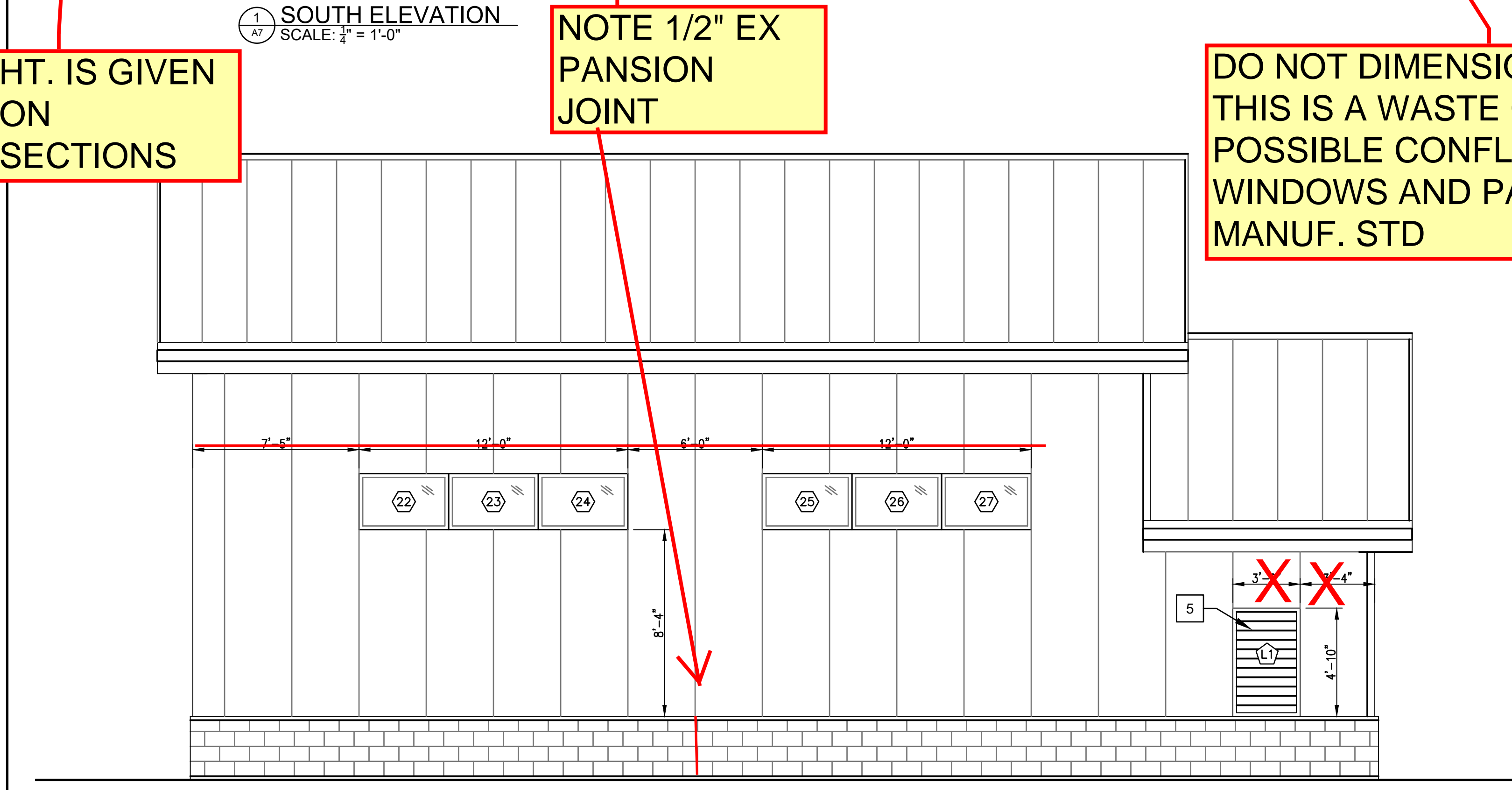
F:\5425-AWD_GAC-WELL_404\dwg\5425_A6 - GAC BUILDING FLOOR PLAN AND DETAILS EL. 202.00.dwg, A6, 4/22/2020 7:43:58 PM, abrenner



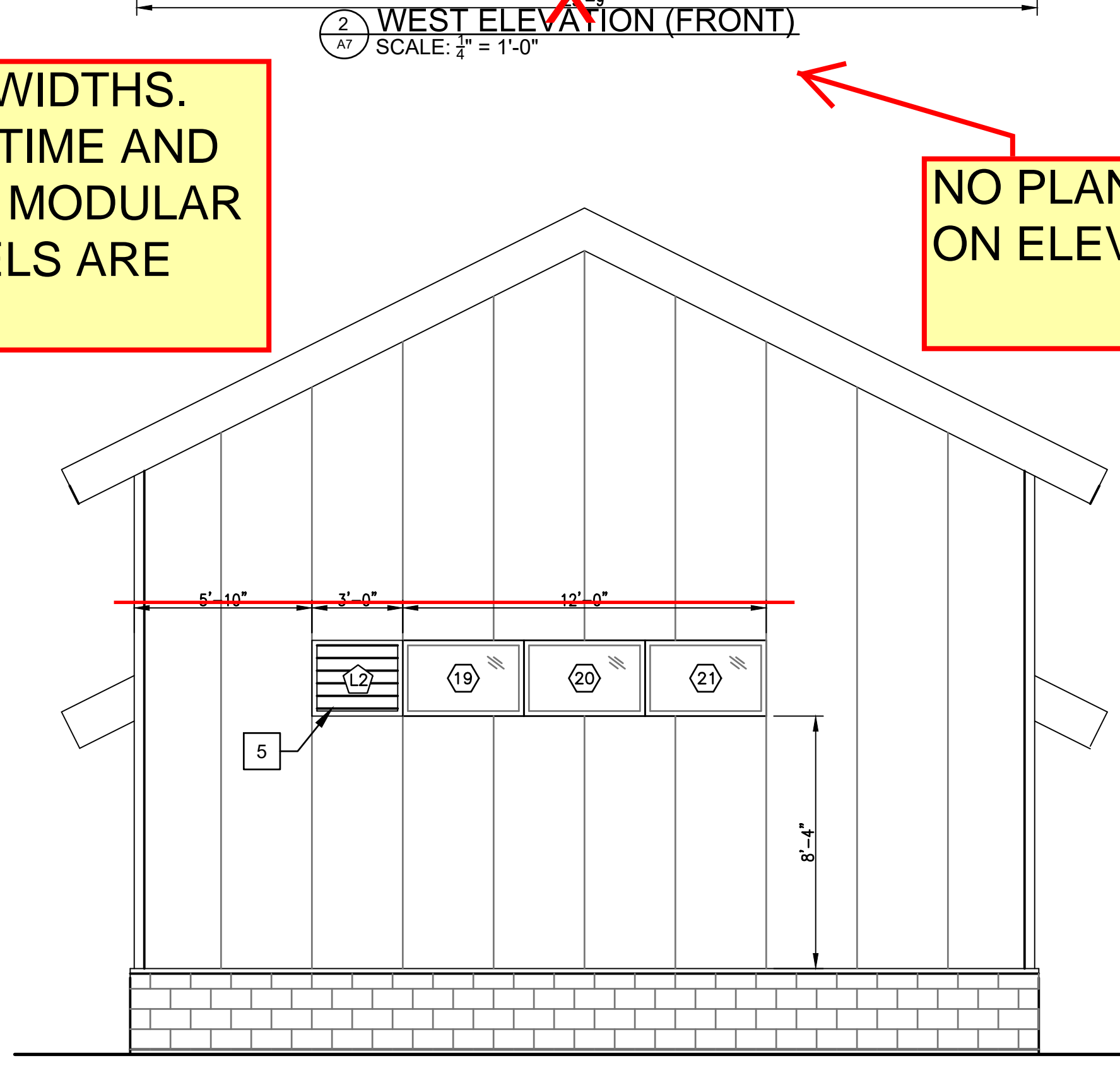
1 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



2 WEST ELEVATION (FRONT)
SCALE: 1/4" = 1'-0"



3 NORTH ELEVATION
SCALE: 1/4" = 1'-0"



4 EAST ELEVATION
SCALE: 1/4" = 1'-0"

- KEY NOTES:**
- 1 8" HIGH PRECAST MASONRY DOOR OPENING SILL (TYP. FOR 2)
 - 2 FIXED ALUMINUM WINDOWS
 - 3 PRECAST MASONRY BASE
 - 4 EXIT DOOR LIGHT W/ BATTERY BACK-UP. SEE ELECTRICAL DRAWINGS
 - 5 ALUMINUM LOUVER. POWDER COAT FINISH TO MATCH WINDOW COLOR
 - 6 EXTERIOR ELECTRICAL RECEPTACLE. SEE ELECTRICAL DRAWINGS.
 - 7 BUILDING CONSTRUCTION ID LABEL
 - 8 HEATER EXHAUST (TYP.) COORDINATE W/ HVAC DWGS. G.C. TO SUBMIT SHOP DRAWINGS PRIOR TO INSTALLATION FOR ENGINEERS REVISIONS

- SHEET LEGEND:**
- (01) DOOR TAG
 - (02) WINDOW TAG
 - (L) LOUVER TAG

SHOW GUTTERS AND DOWNSPOUTS

CORRECT NOTES - WRONG JOB - TEMPLATE SHOULD BE BROUGHT IN W/O ANY NOTES TO AVOID ERRORS

HT. IS GIVEN ON SECTIONS

NOTE 1/2" EXPANSION JOINT

DO NOT DIMENSION WIDTHS. THIS IS A WASTE OF TIME AND POSSIBLE CONFLICT MODULAR WINDOWS AND PANELS ARE MANUF. STD

NO PLAN DIM.S ON ELEVATIONS

NO.	DATE	REVISION	INT.

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PROJECT ENGINEER: AE
DRAWN BY: MM
DESIGNED BY: ---
CHECKED BY: --

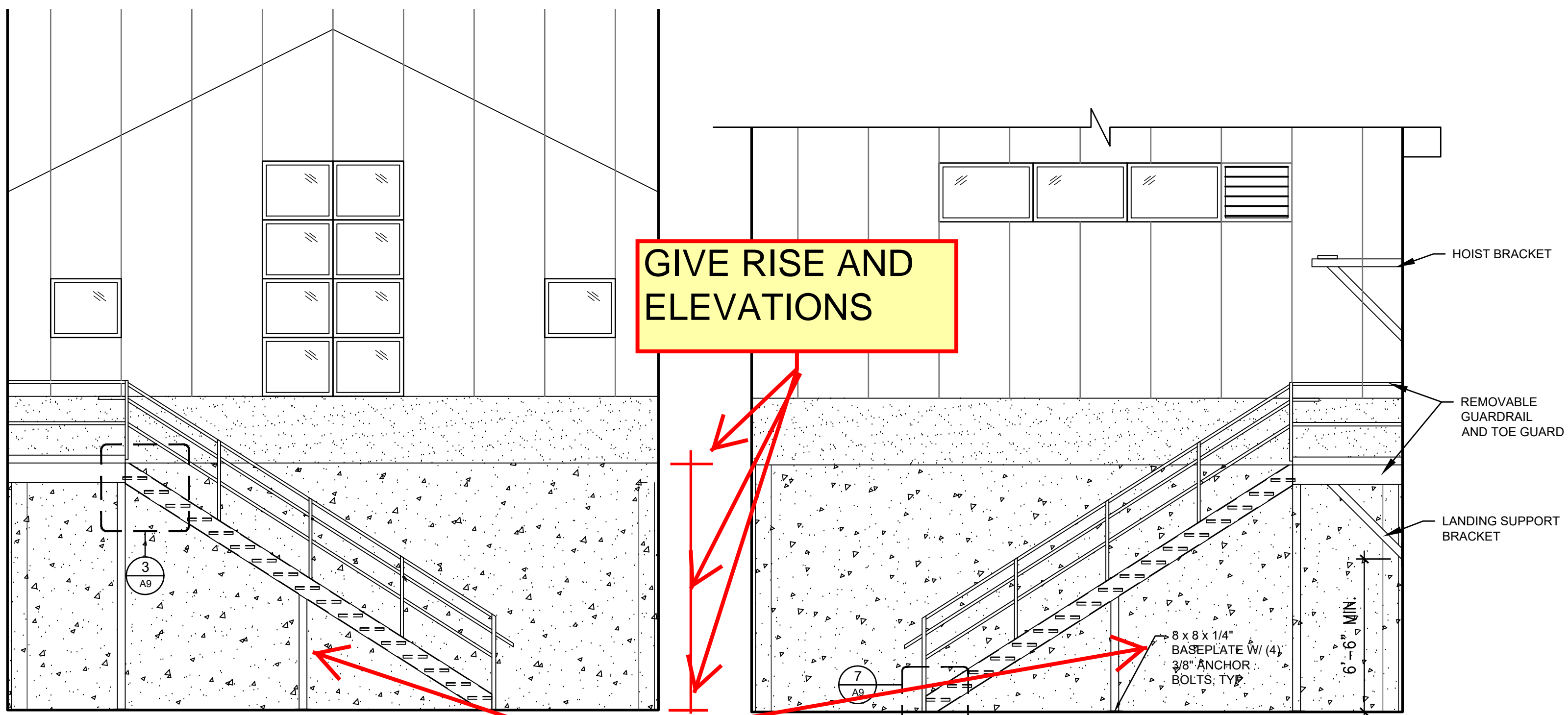


ALBERTSON WATER DISTRICT
NASSAU COUNTY NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

CONTRACT NO.
BUILDING ELEVATIONS
Architectural

PROJECT NO. 5425
DATE: APRIL 2020
SCALE: 1"=10'
DRAWING NO. A7

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1 STAIR 'A' SIDE ELEVATION
SCALE: 3/4" = 1'-0"

2 STAIR 'B' SIDE ELEVATION
SCALE: 3/4" = 1'-0"
SEE DETAIL 1/A401 FOR NOTES & DIMS. U.O.N.

DOOR SCHEDULE:

DOOR NO.	INT./EXT.	TYPE	MAT.	NOMINAL SIZE			FRAME MAT.	FIRE RATING	HARDWARE SET	REMARKS
				WID.	HGHT	THICK.				
FIRST FLOOR										
01	EXT.	1	HM	3'-4"	7'-0"	1-3/4"	HM	-	1	DOOR AND HARDWARE BY OTHERS; HEAD, JAMB, & SILL DETAILS TO BE PROVIDED BY BUILDING MANUFACTURER
02	EXT.	2	(2)	3'-0"						

TYPICAL DOOR AND FRAME MATERIALS:

HM = HOLLOW METAL
G = GLASS
NOTES: ALL EXTERIOR DOORS TO BE INSULATED.
FIELD VERIFY EXISTING SIZES FOR DOORS THAT ARE TO BE REPLACED.

WINDOW AND LOUVER SCHEDULE:

#	WINDOW			FRAME MAT'L	REMARKS
	WIDTH	HEIGHT	TYPE		
01-10	3'-0"	2'-6"	AL/F	AL	HEAD, JAMB, & SILL BY BUILDING M
17-18					
11-16	4'-0"	2'-6"			
19-27					
L1	3'-0"	4'-10"	AL		DL-1: SEE H DWG
L2	3'-0"	2'-6"			IL-1: SEE H DWGS. FOR DETAILS, FINISH: POWDER COAT - MATCH WINDOW COLOR

TYPICAL WINDOW TYPES:

AL = ALUMINUM
F = FIXED

WINDOW NOTES:

GLAZING:
ALL WINDOWS TO BE DUAL GLAZED WITH LAMINATED GLASS UNITS, AND CAN BE SUBSTITUTED W/ INSULATING GLASS UNITS AS PER SPECIFICATION SECTION.

SEALANT REPLACEMENT NOTES:

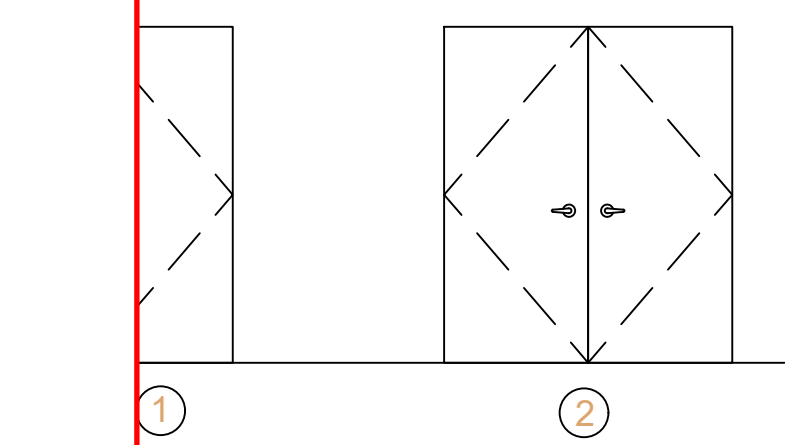
- INSTALL NEW SEALANT AS PER SPECIFICATIONS AT ALL WINDOW FRAME PERIMETER LOCATIONS BETWEEN FRAME AND ADJACENT CONSTRUCTION. SEALANT COLOR TO MATCH WINDOW FRAME.
- TYPICAL WINDOW OPENING SIZES SHOWN, VERIFY ACTUAL SIZE WITH MANUFACTURERS' SHOP DRAWINGS.

FINISH SCHEDULE:

WALLS	PAINT, EPOXY
UNDERSIDE OF ROOF	PAINT, EPOXY
ROOF TRUSSES	PAINT, EPOXY
DOORS	PAINT, EPOXY

1/A8 GENERAL NOTES:

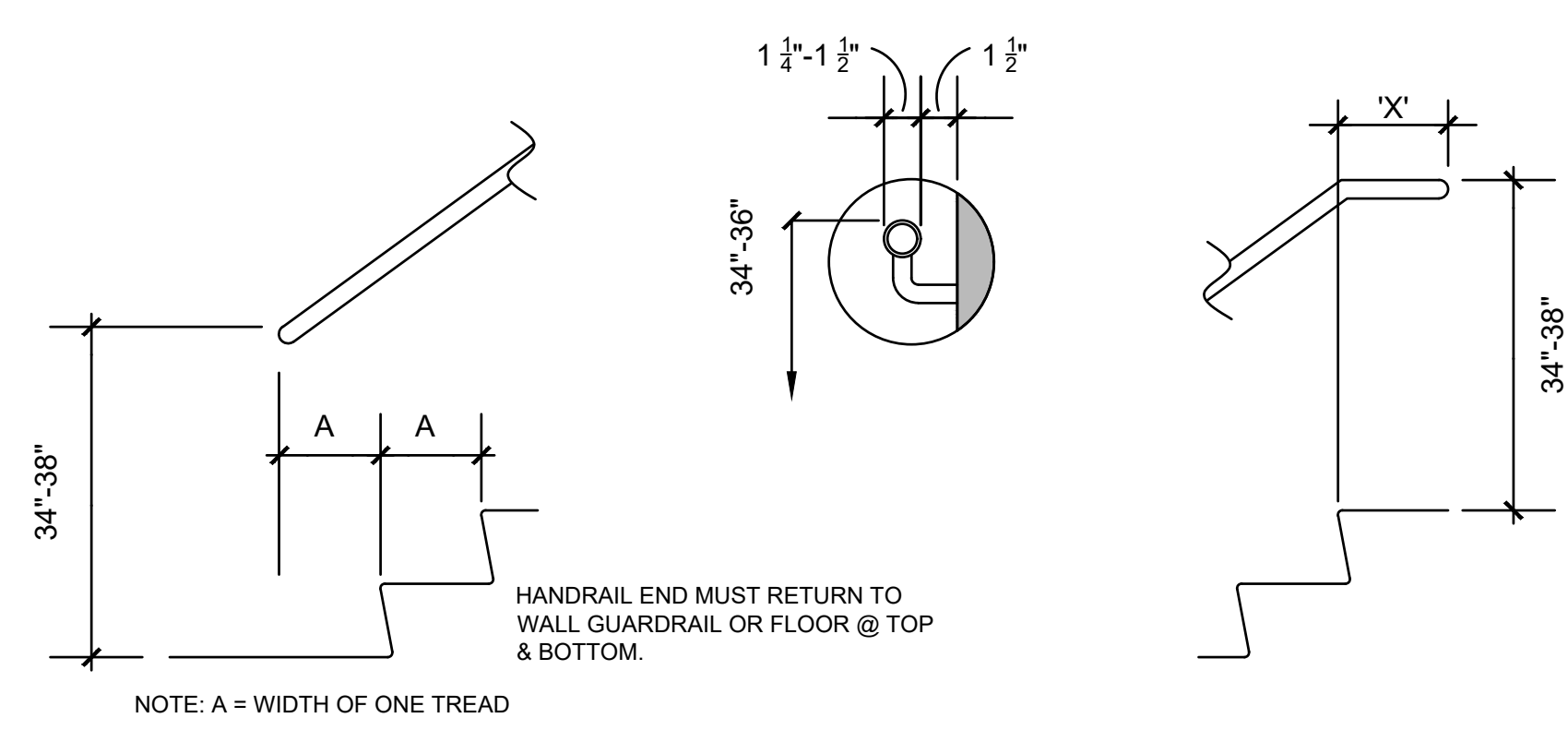
- ALL DOORS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ALL CONDITIONS IN FIELD. ANY DISCREPANCIES FROM WHAT IS INDICATED ON THE CONTRACT DOCUMENTS ARE TO BE BROUGHT TO THE ARCHITECT OF RECORD'S ATTENTION.
- ALL HM FRAMES TO BE 13 GA. ALL HM FRAMES TO BE FULLY WELDED AND HOT DIP GALVANIZED.
- HM DOORS TO BE 14 GA. FULLY WELDED AND HOT DIP GALVANIZED WITH CLOSED TOP.
- ALL EXTERIOR DOORS TO BE INSULATED.
- KEY LOCKS IN COORDINATION WITH OWNER'S KEYING & MASTER KEY SYSTEMS.
- VERIFY ALL HARDWARE WITH OWNER BEFORE ORDERING.
- HARDWARE TRIM HEIGHT SHALL BE PER ICC/ANSI A117.1-2009.
- REFER TO HARDWARE SPECIFICATION FOR HARDWARE SETS.



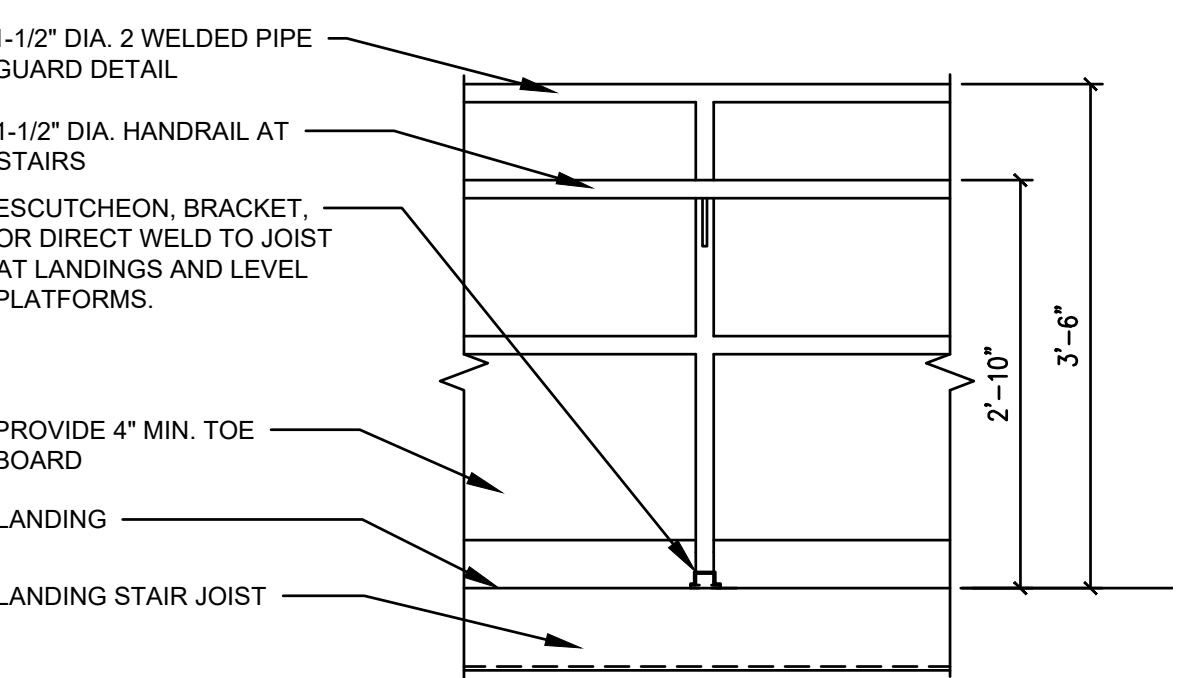
DOOR TYPES
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

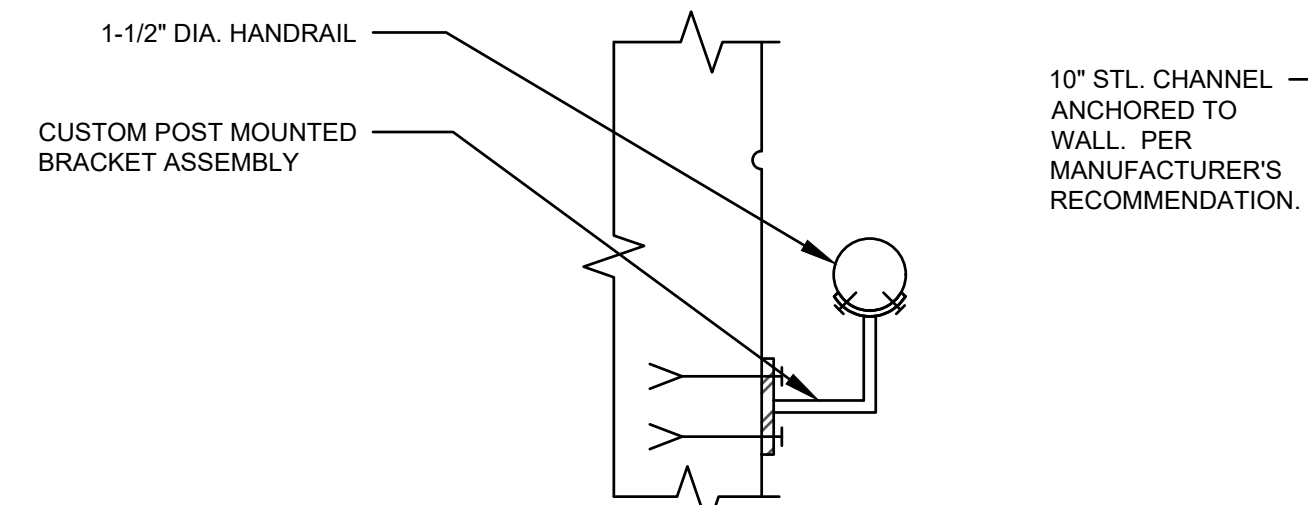
- VERIFY ALL DIMENSIONS IN FIELD
- FINAL STRUCTURAL SIZING AND DESIGN OF METAL STAIRS, GUARDRAILS, HANDRAILS, AND PLATFORMS TO BE BY STAIR FABRICATOR. PROVIDE P.E. CERTIFICATION OF FINAL STAIR SHOP DRAWINGS.
- ALL STAIR CONSTRUCTION, INCLUDING TREADS, TO BE HOT DIPPED GALVANIZED STEEL U.O.N.
- ALL HANDRAILS AND BRACKETS TO BE MILL FINISH ALUMINUM U.O.N.
- SECURELY ANCHOR STAIRS AND LANDINGS TO SURROUNDING STRUCTURE



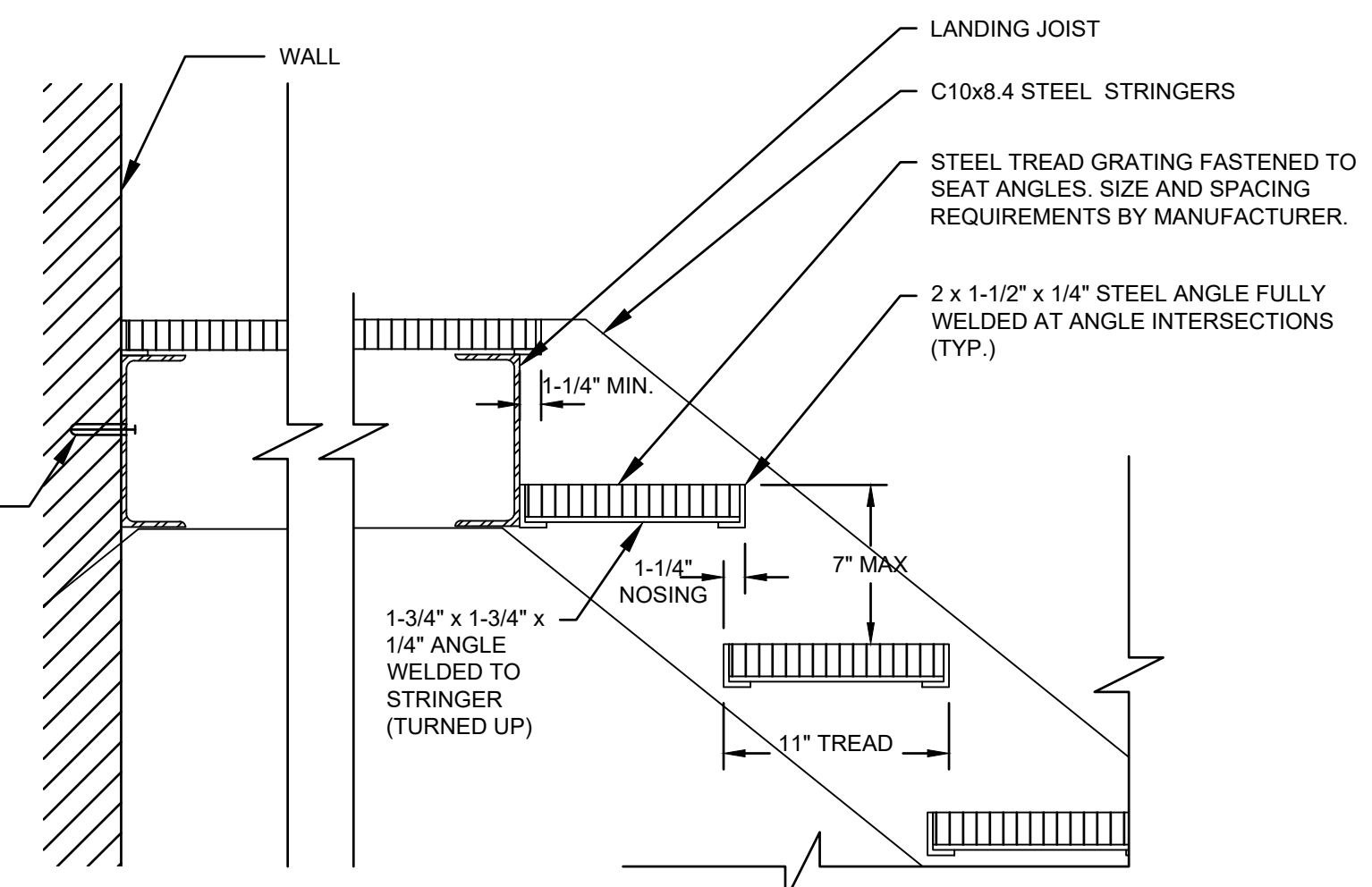
6 TYPICAL HANDRAIL DIMENSIONS
SCALE: 3/4" = 1'-0"



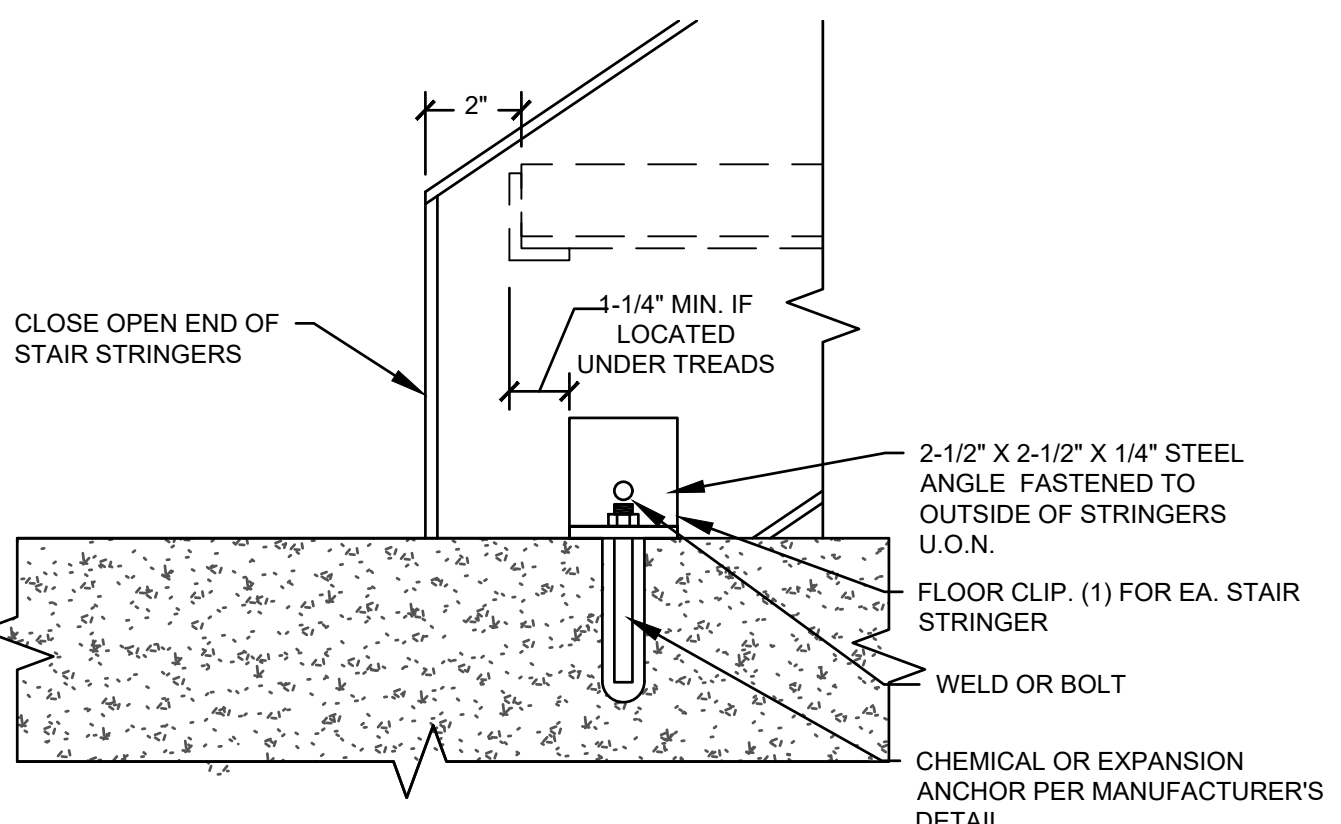
4 GUARDRAIL DETAIL (LEVEL AND SLOPED)
SCALE: 3/4" = 1'-0"



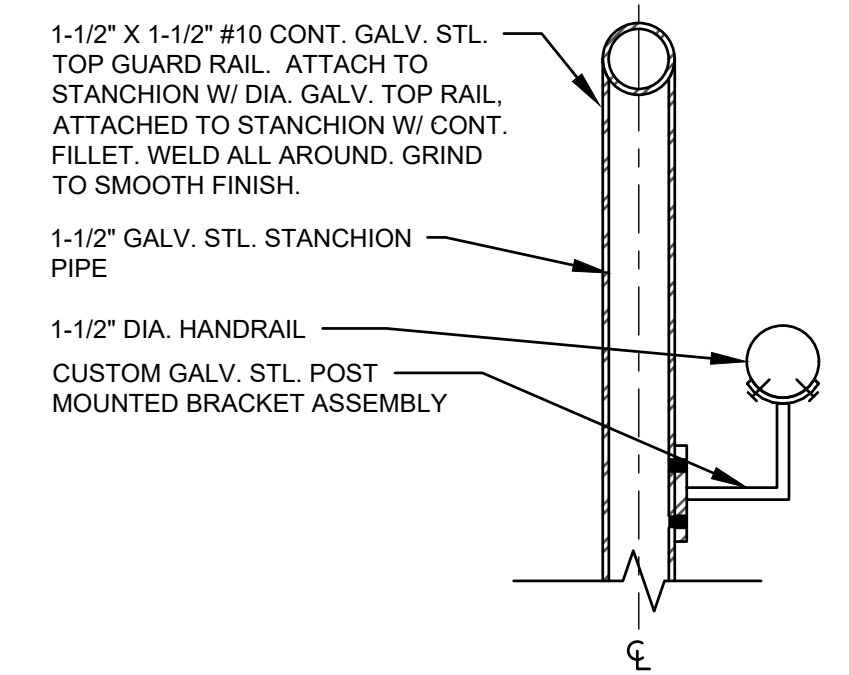
5 HANDRAIL WALL DETAIL
SCALE: 3" = 1'-0"



3 TYPICAL TREAD DETAILS
SCALE: 1 1/2" = 1'-0"



7 STAIR ANCHOR DETAIL
SCALE: 3" = 1'-0"



8 GUARDRAIL DETAIL 1
SCALE: 3" = 1'-0"

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NASSAU COUNTY NEW YORK
GRANULAR ACTIVATED CARBON SYSTEM AT WELL NO. 4

CONTRACT NO. **BUILDING STAIR DETAILS**
Architectural

PROJECT NO. 5425	A8
DATE: APRIL 2020	
SCALE: AS INDICATED	