

NORTHSHORE UTILITY DISTRICT

King County, Washington

C2503

BUILDING "B" BAY DOOR REPLACEMENT

JUNE 2026



Board President
TRUDY C. ROLLA

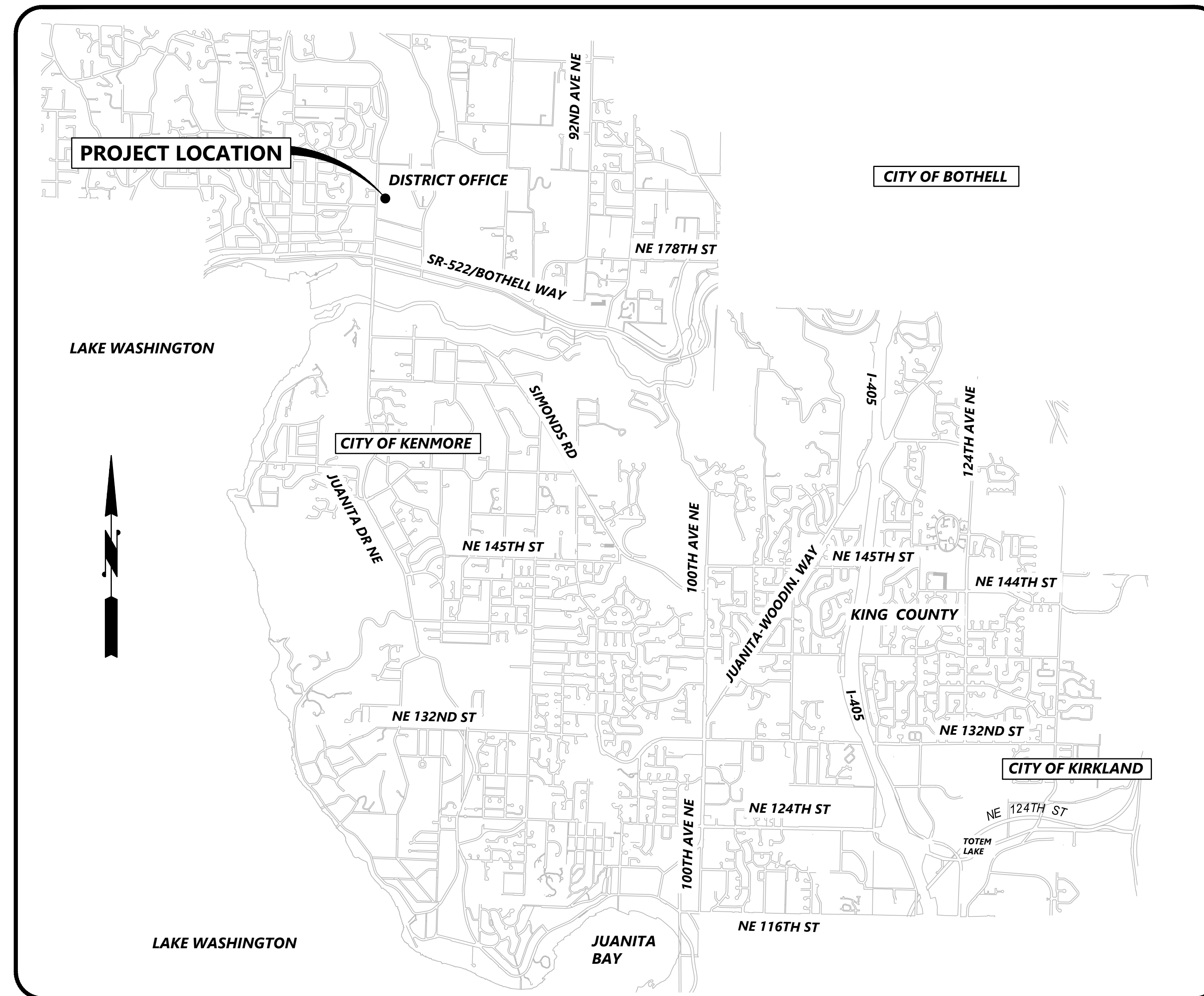
Board Secretary
PAT SUTHERLAND

Commissioner
MATT BREYSSE

Commissioner
BRENT SMITH

Commissioner
D. BRUCE GARDINER

General Manager
ETHAN MAIEFSKI



VICINITY MAP

NOT TO SCALE

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BUILDING DATA

CODES:

IBC 2021 INTERNATIONAL BUILDING CODE
 IFC 2021 INTERNATIONAL FIRE CODE

PROJECT DESCRIPTION:

PROJECT INCLUDES REVISIONS TO AN EXISTING 21,000± SF CEMENT CONCRETE, TILT-UP BUILDING ORIGINALLY CONSTRUCTED IN 1980 AND EXTENSIVELY REMODELED IN 1998/1999. IMPROVEMENTS INCLUDE: DEMOLITION OF AN EXISTING OVERHEAD GARAGE DOOR, PERSONNEL DOOR, AND ADJUST WALL; AND CONSTRUCTION OF A NEW OVERHEAD GARAGE DOOR AND PERSONNEL DOOR.

SITE CIVIL NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CURRENT NORTHSHORE UTILITY DISTRICT STANDARD SPECIFICATIONS AND STANDARD DETAILS.
- THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE PLANS FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UTILITY LOCATIONS SHOWN, FOR THE PROTECTION AND REPAIR OF DAMAGED UTILITIES AND FOR THE DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE LOCATED, BY THE OWNER.
- A PRE-CONSTRUCTION CONFERENCE WILL BE HELD AT THE DISTRICT OFFICE PRIOR TO START OF CONSTRUCTION.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	PROPERTY LINE
---	---	SAWCUT LINE
---	---	WATER LINE
---	---	SANITARY SEWER LINE
---	---	SEWER FORCE MAIN
---	---	STORM DRAIN LINE
---	---	GAS LINE
---	---	UNDERGROUND POWER LINE
---	---	OVERHEAD POWER LINE
---	---	TELEPHONE LINE
---	---	CABLE LINE
---	---	CHAIN LINK FENCE
⊞		WATER METER
⊗		MONITORING WELL
⊙		FIRE HYDRANT
⊕		WATER VALVE
⊖		AIR RELIEF VALVE
⊗		SPRINKLER HEAD
○		CLEAN OUT
○		SANITARY MANHOLE
□		STORM DRAIN CATCH BASIN
○		POWER POLE
←		GUY ANCHOR
⊕		LIGHT POLE
⊕		SIGNAL POLE
⊕		ELECTRICAL HANDHOLE
⊕		MONUMENT
○	○	BOLLARD
○		TREE
⊞		CRUSHED SURFACING
⊞	⊞	CEMENT CONCRETE
⊞	⊞	CEMENT CONCRETE CURB, GUTTER
⊞	⊞	HMA PAVEMENT
⊞		GRAVEL
	■	CATCHBASIN INLET PROTECTION
	⊞	PROPERTY ADDRESS
	⊞	DEMO HATCH
	⊞	GRIND AND OVERLAY HATCH

ABBREVIATIONS

AVE	AVENUE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
ASSY	ASSEMBLY
BF	BLIND FLANGE
BLDG	BUILDING
BLK	BLOCK
BO	BLOW OFF
CTR	CENTER
CB	CATCH BASIN
CI	CAST IRON
CL	CENTER LINE
CLR	CLEARANCE
CO	CLEANOUT
CONC	CONCRETE
C	CONDUIT
CONN	CONNECTION
CL	CLASS
DI	DUCTILE
DIA	DIAMETER
DIM	DIMENSION
DWGS	DRAWING(S)
D	DRAIN
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EXIST	EXISTING
FIN	FINISHED
FL	FLANGE
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GV	GATE VALVE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
IN	INCH
L	LENGTH
LB	POUND
LF	LINEAR FEET
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MISC	MISCELLANEOUS
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PP	POWER POLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
RET	RETAINING
R	RADIUS
REINF	REINFORCE
REQD	REQUIRED
SF	SQUARE FEET
SHT	SHEET
SPECS	SPECIFICATIONS
STD	STANDARD
TEL	TELEPHONE
THRD	THREADED
THRU	THROUGH
TYP	TYPICAL
VERT	VERTICAL
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
W/	WITH
W/O	WITHOUT

NO	BY	APPD	REVISION	DATE

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APPROVAL	EBD
DATE	JUNE 2026



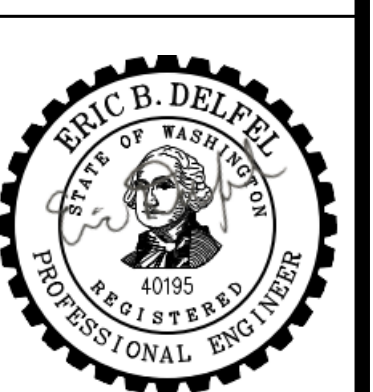
NORTHSHORE UTILITY DISTRICT

6830 NE 185th St. P.O. Box 82489
 Kenmore, WA 98028-2684 Kenmore, WA 98028-2684

Ph: (425) 398-4400 | Fax: (425) 398-4430 | www.nud.net

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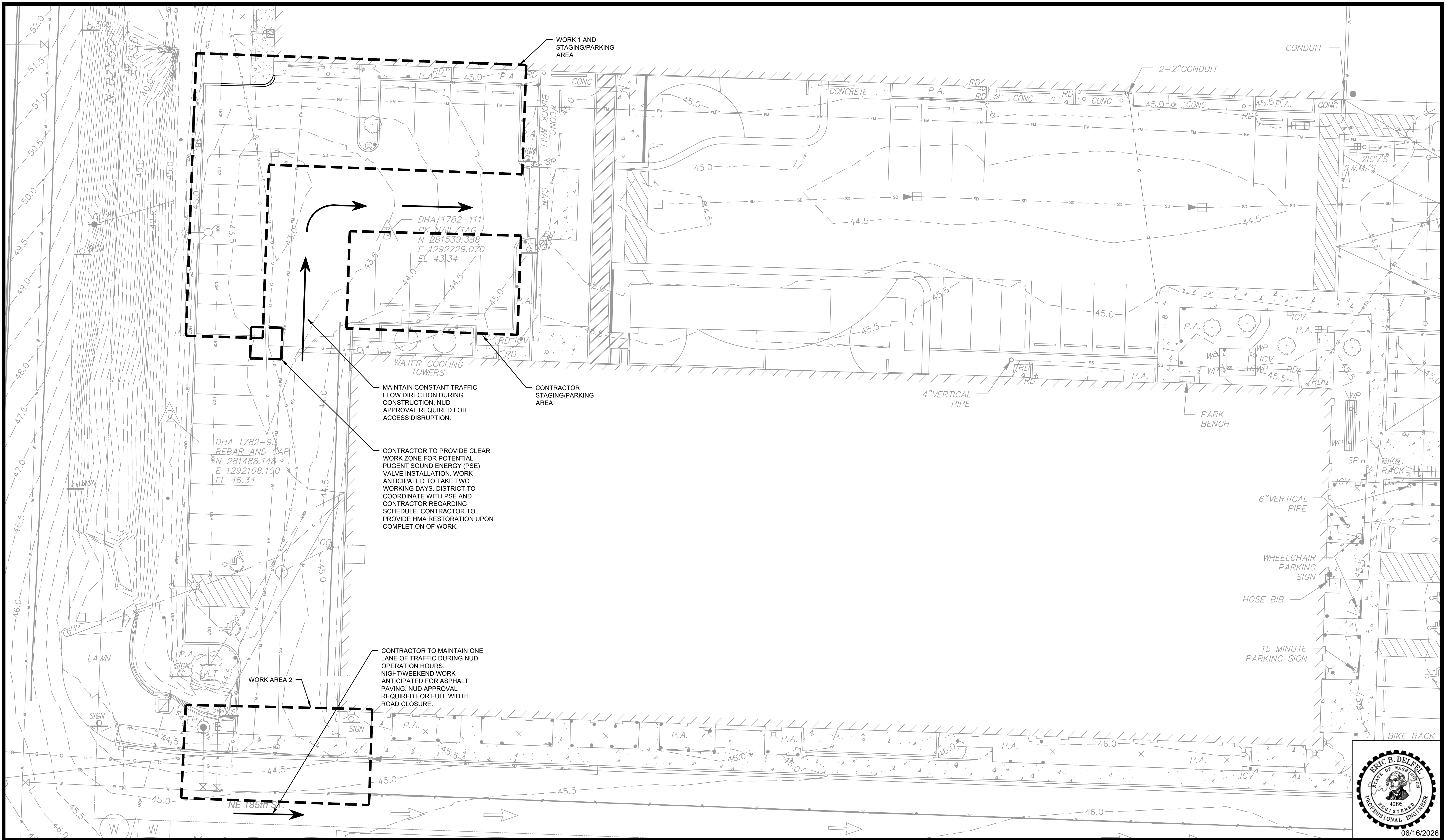
SHEET INDEX, NOTES, AND LEGEND



6/12/2026

SHEET

C-1
 OF 4



DHA 1782-111
PK NAIL TAG
N 281539.388
E 1292229.070
EL 43.34

DHA 1782-93
REBAR AND CAP
N 281488.148
E 1292168.100
EL 46.34

MAINTAIN CONSTANT TRAFFIC FLOW DIRECTION DURING CONSTRUCTION. NUD APPROVAL REQUIRED FOR ACCESS DISRUPTION.

CONTRACTOR TO PROVIDE CLEAR WORK ZONE FOR POTENTIAL PUGENT SOUND ENERGY (PSE) VALVE INSTALLATION. WORK ANTICIPATED TO TAKE TWO WORKING DAYS. DISTRICT TO COORDINATE WITH PSE AND CONTRACTOR REGARDING SCHEDULE. CONTRACTOR TO PROVIDE HMA RESTORATION UPON COMPLETION OF WORK.

CONTRACTOR TO MAINTAIN ONE LANE OF TRAFFIC DURING NUD OPERATION HOURS. NIGHT/WEKEND WORK ANTICIPATED FOR ASPHALT PAVING. NUD APPROVAL REQUIRED FOR FULL WIDTH ROAD CLOSURE.

NO	BY	APPD	REVISION	DATE

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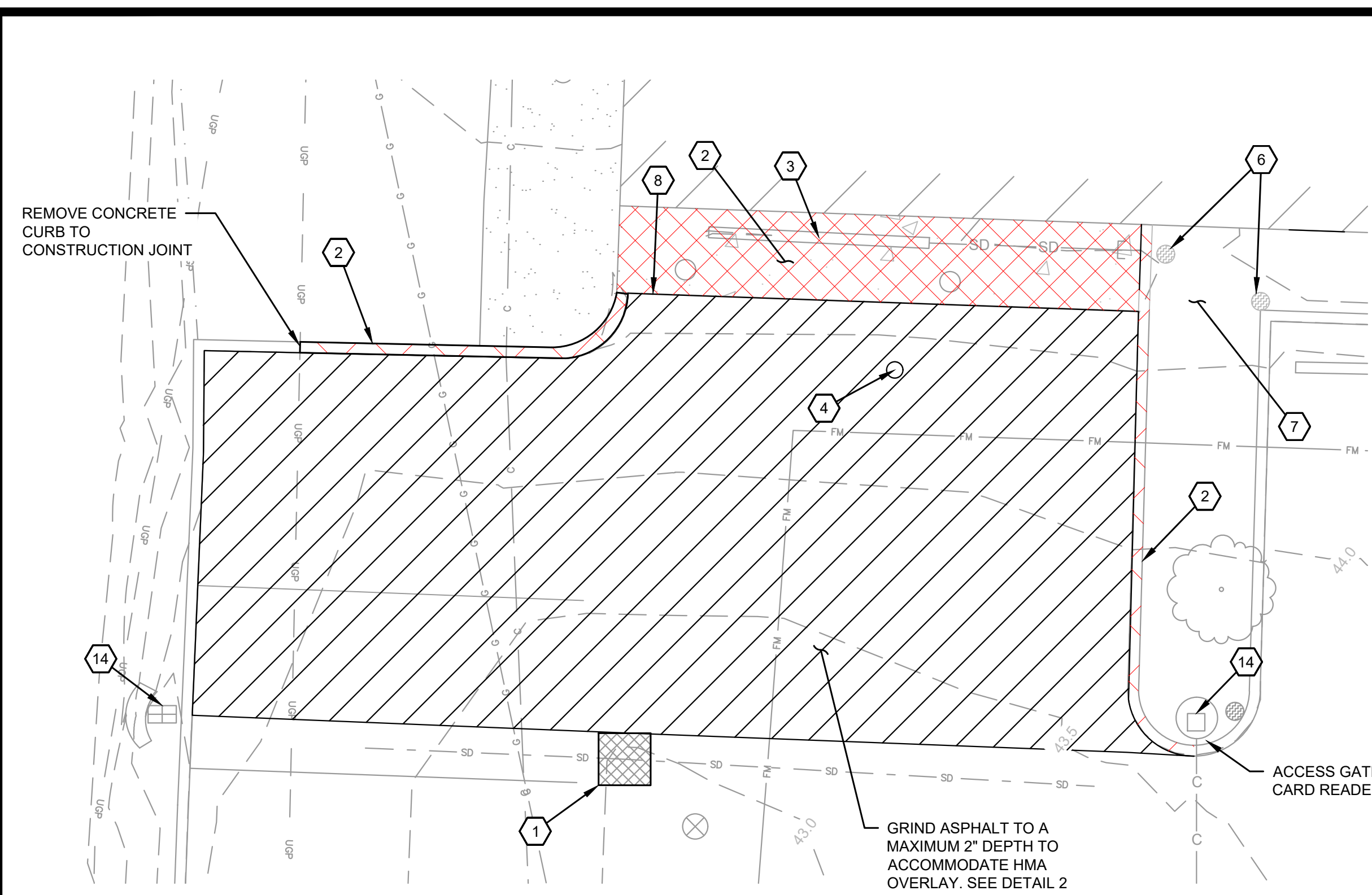


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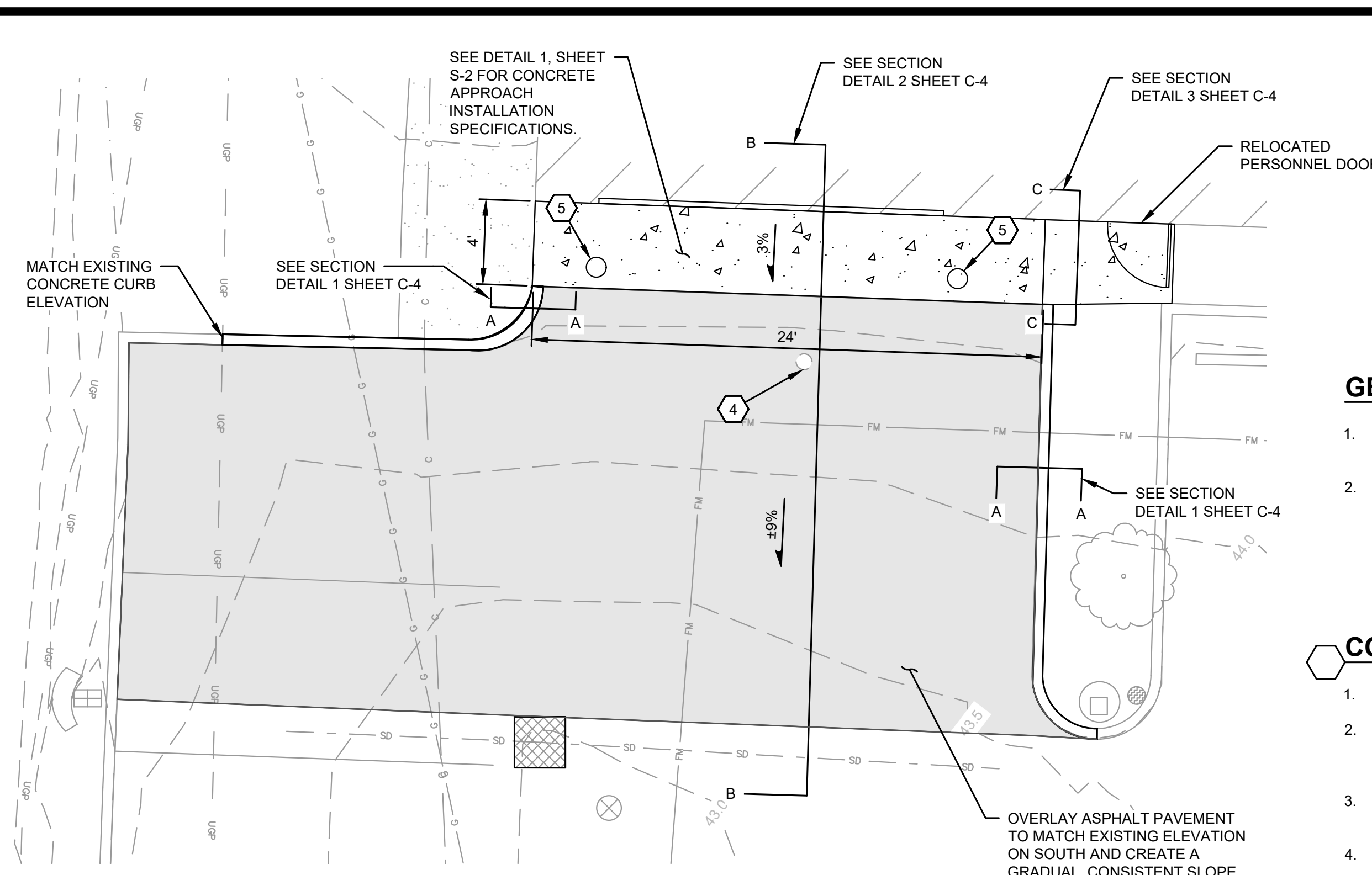
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BUILDING "B" BAY DOOR REPLACEMENT
EXISTING OVERALL SITE PLAN



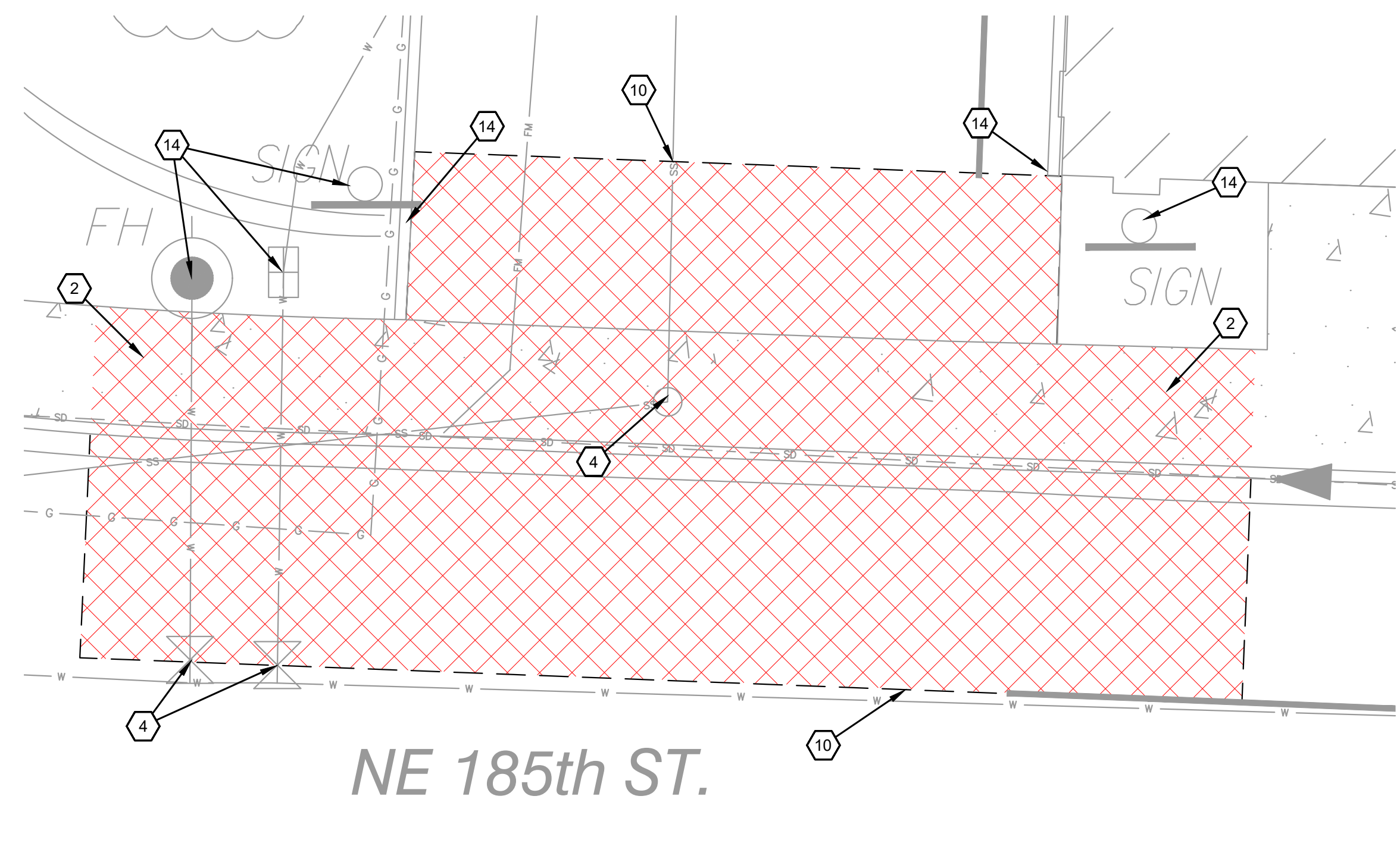
SHEET
C-2
OF 4



SITE 1 DEMO PLAN
SCALE: 1" = 5'-0"



SITE 1 MODIFICATION PLAN
SCALE: 1" = 5'-0"



SITE 2 DEMO PLAN
SCALE: 1" = 5'-0"



SITE 2 RESTORATION PLAN
SCALE: 1" = 5'-0"

GENERAL NOTES

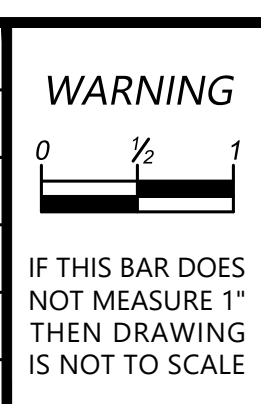
1. MAINTAIN ACCESS THROUGH PARKING LOT AND ON 185TH ST DURING CONSTRUCTION AS SHOWN ON C-2.
2. INSTALLATION OF HMA ON 185TH ST SHALL OCCUR FROM 6:00PM TO 6:00AM MONDAY - FRIDAY OR DURING WEEKENDS TO PREVENT INTERRUPTIONS OF DISTRICT OPERATIONS.

CONSTRUCTION NOTES:

1. INSTALL INLET PROTECTION PRIOR TO CONSTRUCTION.
2. REMOVE AND WASTEHAUL CONCRETE TRUCK APPROACH, CONCRETE DRIVEWAY ENTRANCE, BOLLARDS, CURB, AND SIDEWALK AS SHOWN. REMOVE CURB AND SIDEWALK TO NEAREST JOINT.
3. REMOVE TRENCH DRAIN AND CUT AND CAP STORM DRAIN LINE. DIAMETER TO BE FIELD VERIFIED.
4. PROTECT CASTINGS DURING CONSTRUCTION AND ADJUST TO FINISHED GRADE AS NEEDED.
5. INSTALL NEW BOLLARD, SEE DETAIL 4 SHEET C-4.
6. REMOVE SPRINKLER HEADS AND CAP SPRINKLER LINE.
7. REMOVE LANDSCAPING SHRUBS AS NECESSARY TO INSTALL CEMENT CONCRETE PAD FOR PERSONNEL DOOR.
8. REMOVE ASPHALT ONLY AS NEEDED TO FORM CONCRETE.
9. INSTALL 6" LIFT OF NEW HMA PAVEMENT.
10. SAWCUT AND REMOVE EXISTING ASPHALT.
11. REPLACE ROAD MARKINGS AS NEEDED.
12. INSTALL DRIVEWAY APPROACH. SEE CITY OF KENMORE STANDARD DETAIL FIGURE 8-007 SHEET C-4.
13. INSTALL NEW SIDEWALK AND CURB AND GUTTER AS REQUIRED.
14. PROTECT CURB/SIGN/METER/HYDRANT/UTILITY POST.



NO	BY	APPD	REVISION	DATE

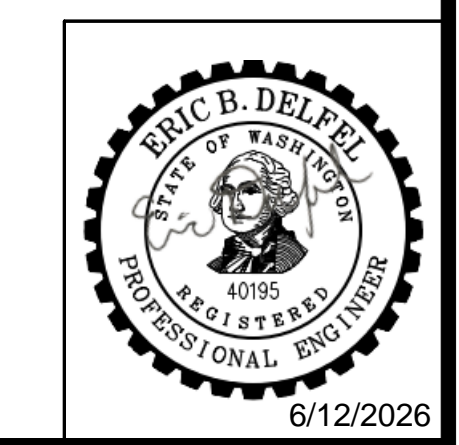


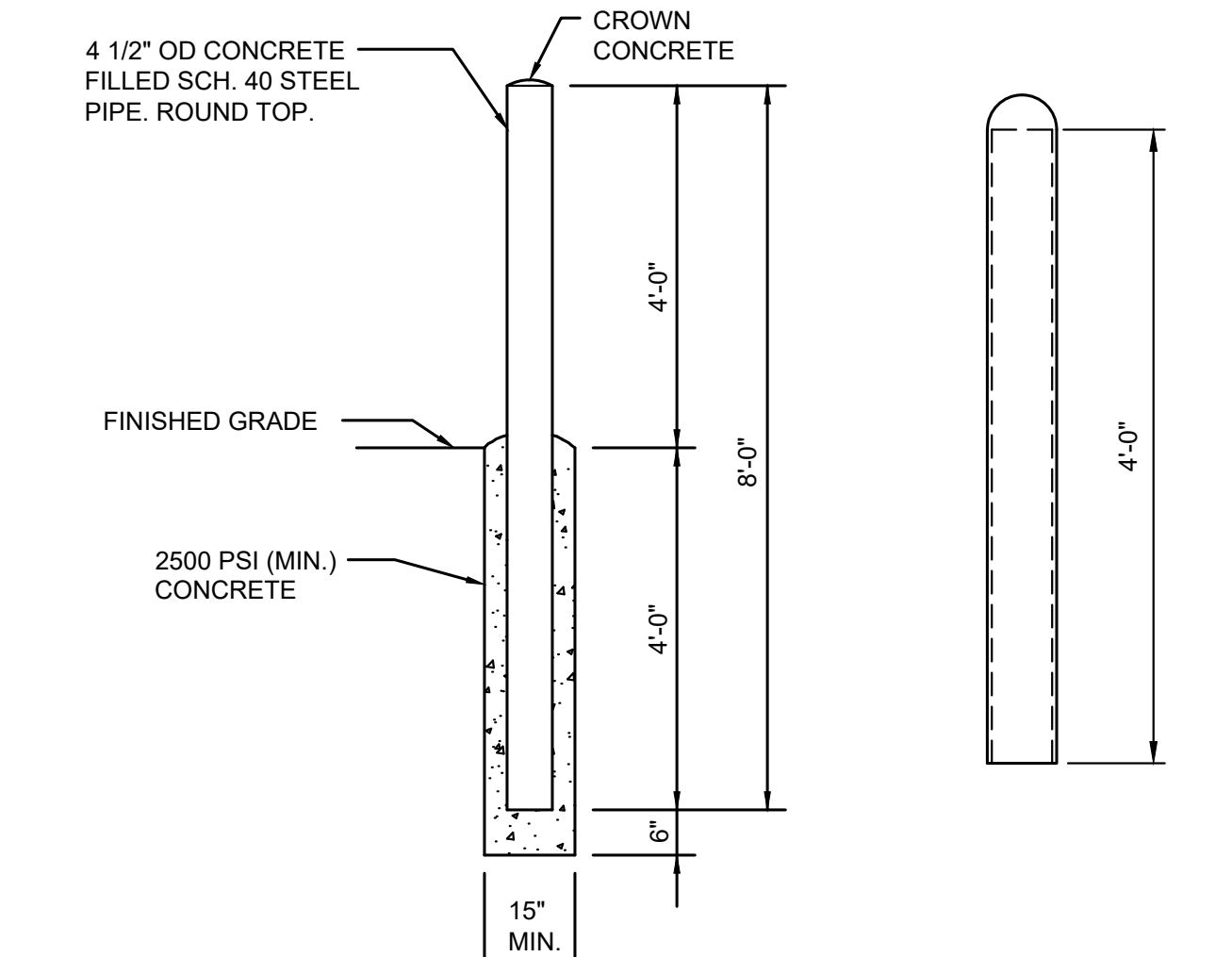
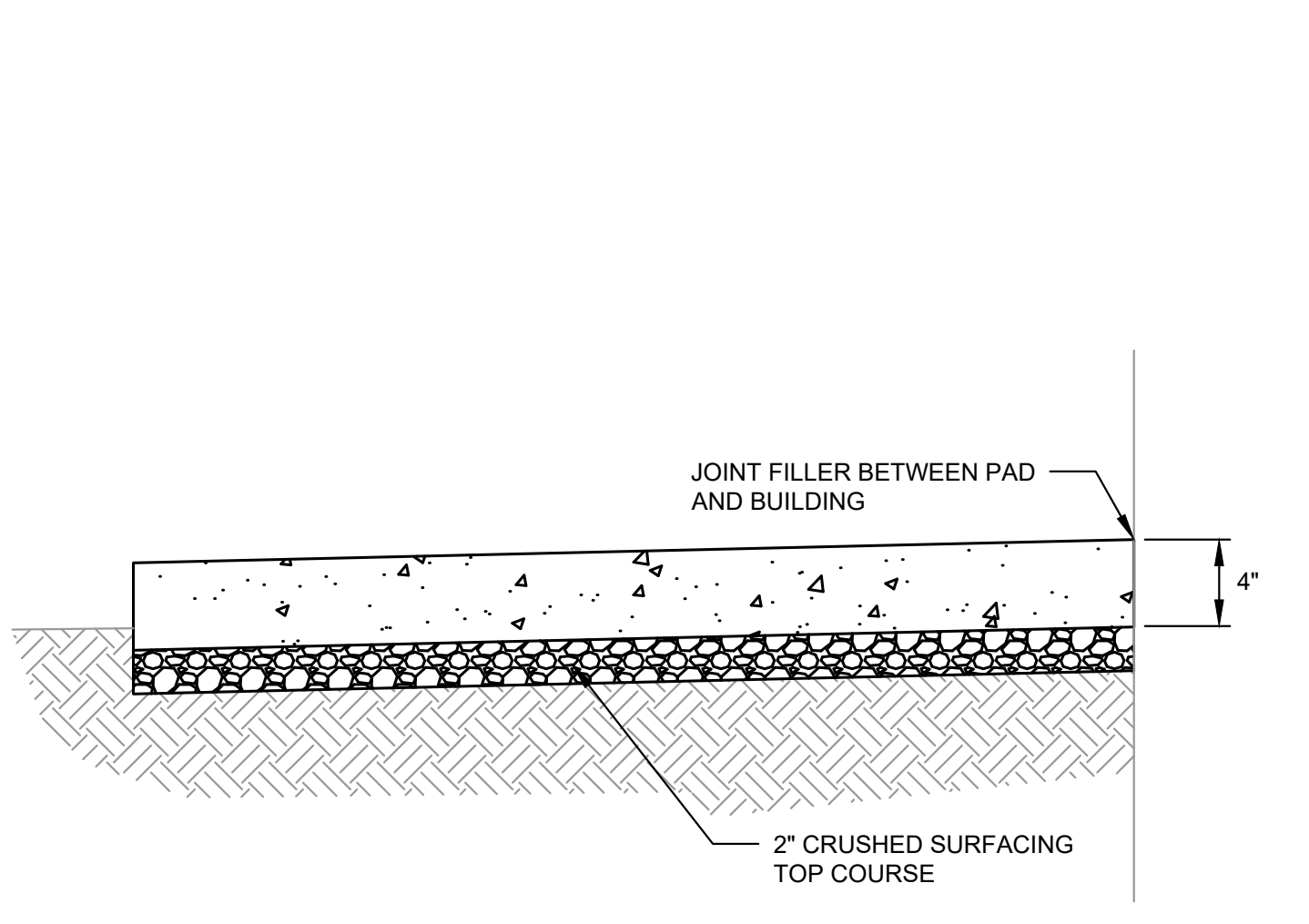
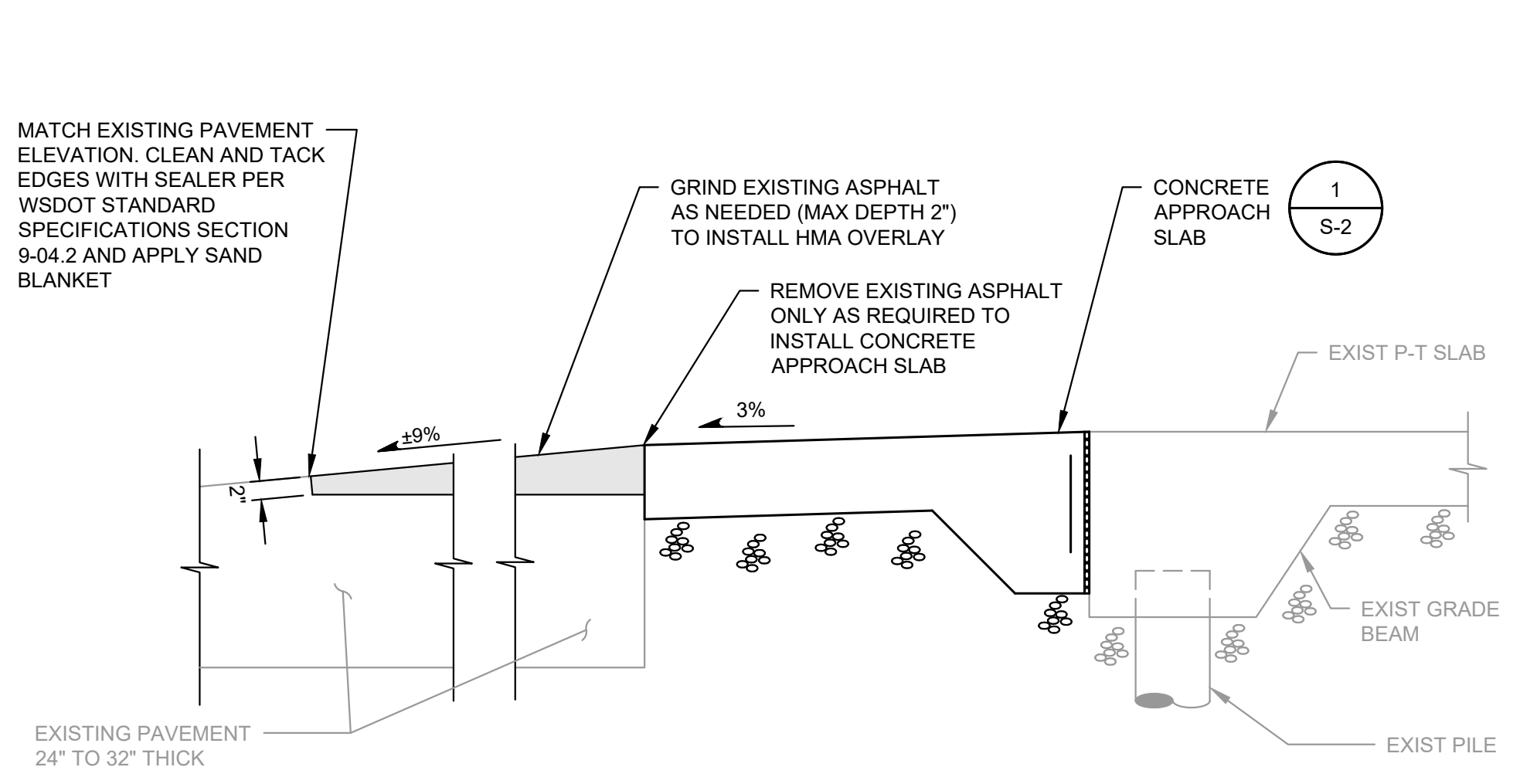
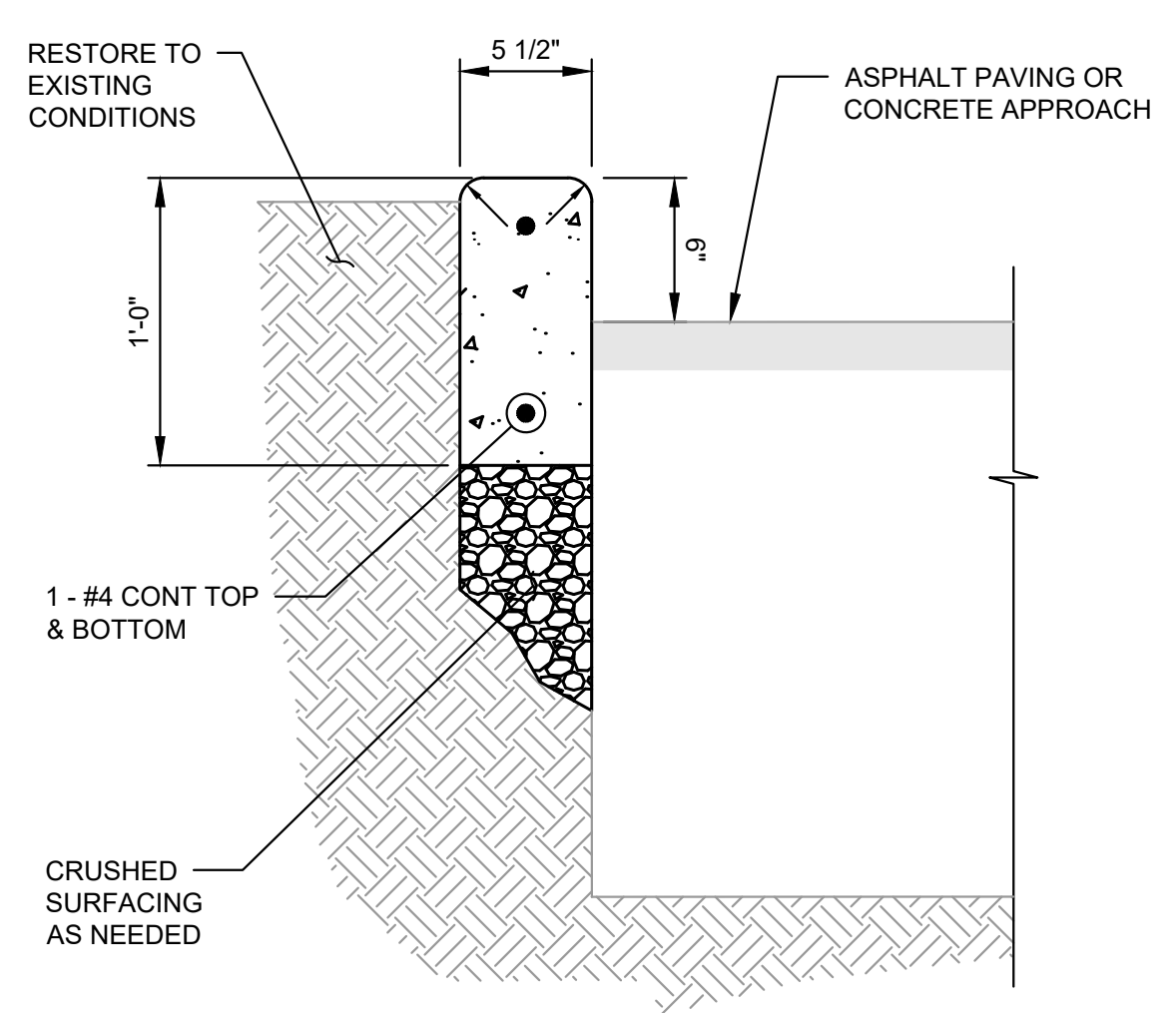
DESIGNED BY: MTM
 DRAWN BY: BS
 CHECKED BY: MTM
 APPROVAL: EBD
 DATE: JUNE 2026

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C2503
 BUILDING "B" BAY DOOR REPLACEMENT

SITE DEMOLITION, MODIFICATION, AND RESTORATION PLAN





1 SECTION A-A CURB DETAIL
NTS

2 SECTION B-B HMA RAMP AND APPROACH SLAB
NTS

3 SECTION C-C CEMENT CONCRETE PAD
NTS

4 BOLLARD DETAIL
NTS

DRIVEWAY WIDTH	W
<24 FT	1 E.J. CENTER ON DRIVEWAY WIDTH
≥24 FT	2 E.J. EQUALLY SPACED

NOTES:
 1. ALLOWABLE SLOPES AND WIDTHS ARE SHOWN. VARIATIONS FROM THE ABOVE STANDARDS MAY BE APPROVED AT THE DISCRETION OF THE CITY ENGINEER. RAMP MAY EXCEED 8.33% IF THE LENGTH IS A MINIMUM OF 15 FT.
 2. BACKFILL MATERIAL PER WSDOT STANDARD SPECIFICATION SECTION 9-03.
 3. DEPRESSED CURB TO BE BETWEEN 1/2 IN AND 1 IN HIGH.
 4. ALL CONCRETE PANELS SHALL BE FLUSH WITH ADJACENT CONCRETE PANELS WITH NO GREATER THAN 1/8 IN VERTICAL DIFFERENCE.
 5. SEE KSD 8-001 (SIDEWALKS) FOR LOCATIONS OF DUMMY JOINTS AND ADDITIONAL EXPANSION JOINTS IN DRIVEWAY APPROACH.
 6. FOR CONCRETE DRIVEWAYS, INSTALL 1/4 IN TO 3/8 IN FULL DEPTH EXPANSION JOINTS BETWEEN DRIVEWAY AND BACK OF DRIVEWAY APPROACH AND AT THE RIGHT OF WAY LINE.
 7. SEE KSD 8-008 (CURBS) FOR CURB AND GUTTER REQUIREMENTS.
 8. FOR EXISTING SIDEWALK/DRIVEWAY LOCATIONS, CONCRETE SHALL BE REMOVED FROM JOINT TO JOINT; NO SAWCUTTING IS PERMITTED.

CITY OF KENMORE ENGINEERING DEPARTMENT (425) 398-8900
DRIVEWAY APPROACH TYPE 2
FIGURE 8-007 NOT TO SCALE
 Date: 05/26/2023

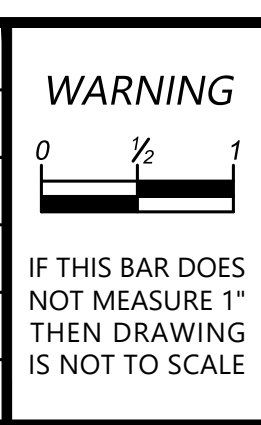
NOTES:
 1. FULL DEPTH EXPANSION JOINTS PERPENDICULAR TO THE CURB LINE SHALL BE SPACED AT 10 FT ON CENTER IF ADJACENT TO LANDSCAPED AMENITY STRIP. FOR CURB ADJACENT TO CONCRETE, ALIGN EXPANSION JOINTS WITH SIDEWALK.
 2. BACKFILL MATERIAL PER WSDOT STANDARD SPECIFICATION SECTION 9-03.
 3. SLOPE PAVEMENT TO DRAIN. PROVIDE GAPS IN CURB TO ALLOW FOR DRAINAGE AS NEEDED.
 4. SLOPE ENDS OF EXTRUDED CURB EQUAL TO SIDE SLOPE.
 5. PIN EXTRUDED CURB TO PAVEMENT WITH 6 IN LONG #3 REBAR EMBEDDED 4 INCHES IN PAVEMENT. LOCATE PINS 1 FOOT EITHER SIDE OF JOINTS AND AT ENDS.
 6. ADD 5 IN DEEP JOINTS EVERY 10 FT OF EXTRUDED CURB.
 7. FOR CURB REPLACEMENT, EXISTING CURB SHALL BE REMOVED FROM JOINT TO JOINT, NO SAWCUTTING IS PERMITTED.
 8. FOR CURB PLACEMENT ADJACENT TO LANDSCAPED AREA, NO EXPANSION JOINT REQUIRED.
 9. VERTICAL CURB SHALL BE USED IN ALL LOCATIONS WITHIN THE RIGHT OF WAY UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

CITY OF KENMORE ENGINEERING DEPARTMENT (425) 398-8900
CURBS
FIGURE 8-009 NOT TO SCALE
 Date: 08/24/2024

NOTE:
 1. Four feet of the sidewalk width shall be the minimum pedestrian accessible route free of vertical and horizontal obstructions. Gratings, Access Covers, Junction Boxes, Cable Vaults, Pull Boxes and other appurtenances within the sidewalk must have slip resistant surfaces, be flush with surface, and match grade of the sidewalk.

CEMENT CONCRETE SIDEWALK STANDARD PLAN F-30.10-03
 SHEET 1 OF 1 SHEET
 APPROVED FOR PUBLICATION
 DATE: 11/01/2014
 STATE DESIGN ENGINEER
 Washington State Department of Transportation

NO	BY	APPD	REVISION	DATE



Gray & Osborne, Inc.
 CONSULTING ENGINEERS

DESIGNED BY: MTM
 DRAWN BY: BS
 CHECKED BY: MTM
 APPROVAL: EBD
 DATE: JUNE 2026

NORTHSHORE UTILITY DISTRICT
 WATER SEWER

6830 NE 185th St. P.O. Box 82489
 Kenmore, WA 98028-2684 Kenmore, WA 98028-2684

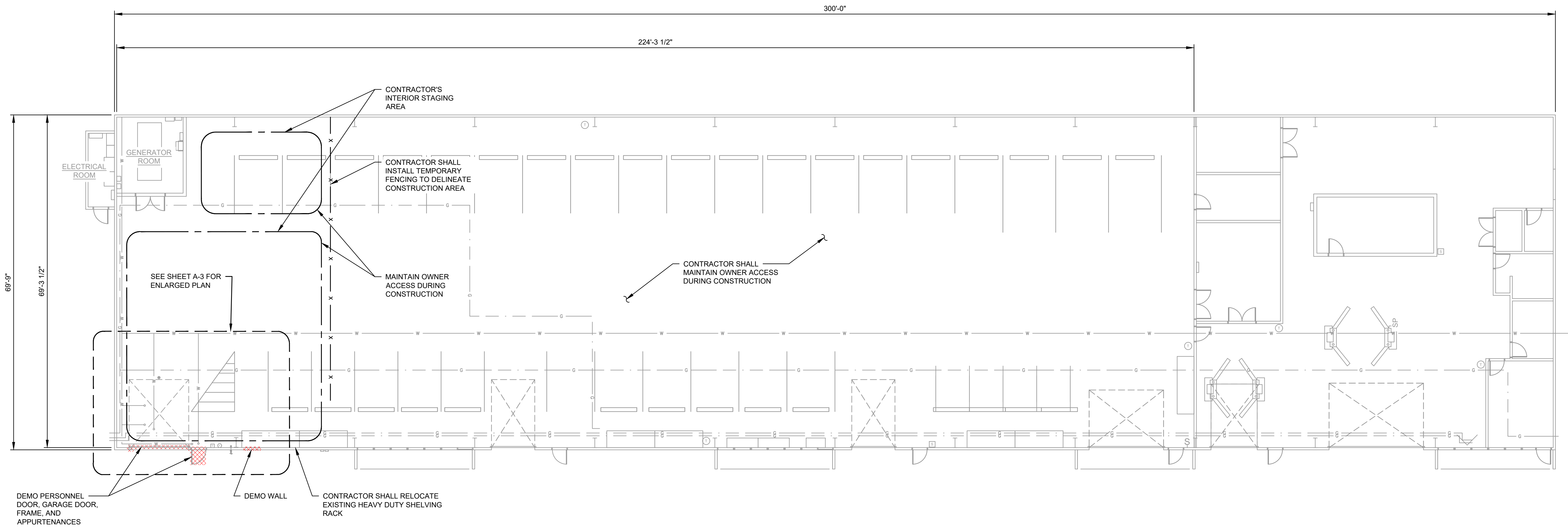
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C2503
 BUILDING "B" BAY DOOR REPLACEMENT

CIVIL DETAILS AND SECTION VIEWS

ERIC B. DELFEL
 STATE OF WASHINGTON
 REGISTERED PROFESSIONAL ENGINEER
 40195
 6/12/2026

SHEET C-4 OF 4

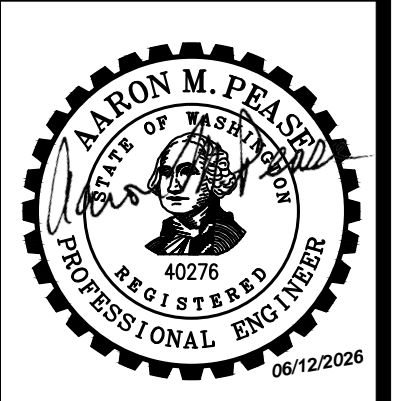


BUILDING "B" DEMO FLOOR PLAN

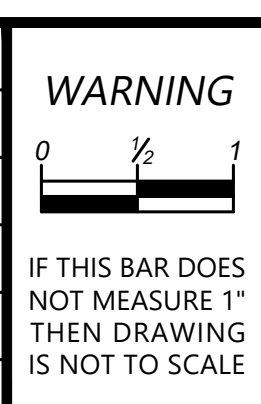
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NOTE:

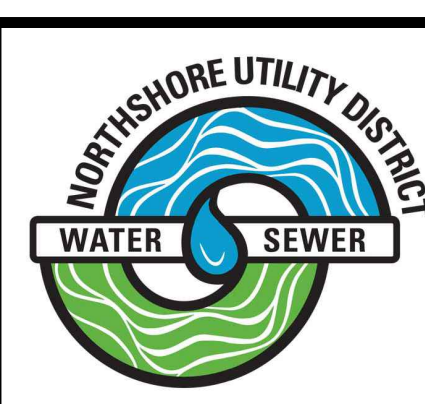
1. AFTER WALL OR DOOR DEMOLITION, CONTRACTOR SHALL SECURE FACILITY EACH NIGHT WITH HEAVY TARPS AND SECURITY FENCING OVER OPEN AREA.
2. CONTRACTOR SHALL NOT PROCEED WITH BUILDING DEMOLITION UNTIL APPROVED BY OWNER AFTER SUBMITTAL APPROVALS AND AFTER CONTRACTOR HAS FIRM DELIVERY SCHEDULE FOR NEW SECTIONAL OVERHEAD DOOR.



NO	BY	APPD	REVISION	DATE



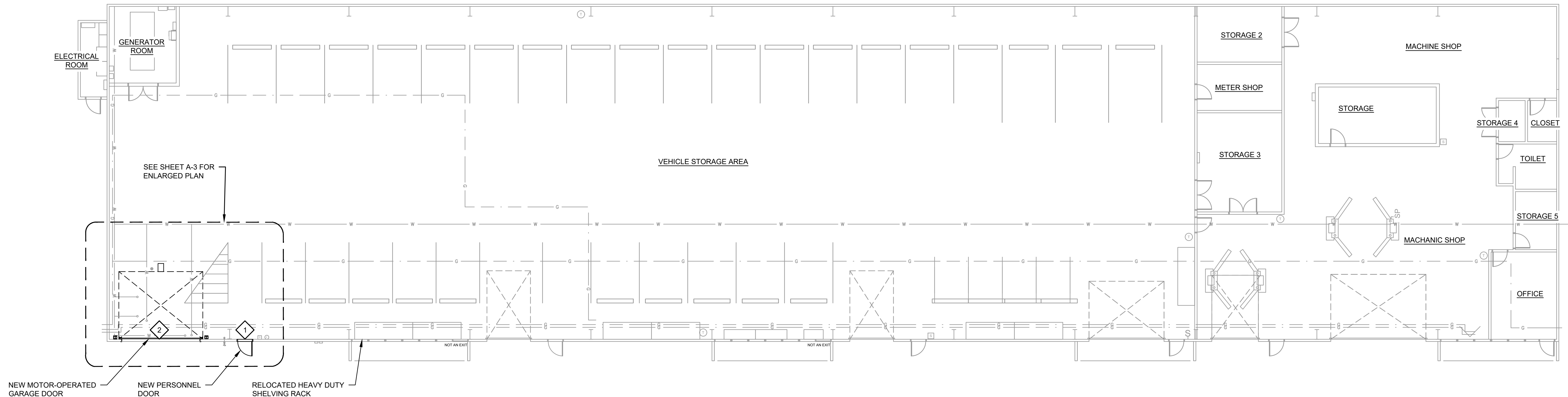
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BUILDING "B" DEMO FLOOR PLAN

SHEET
 A-1
 OF 4



BUILDING "B" FLOOR PLAN

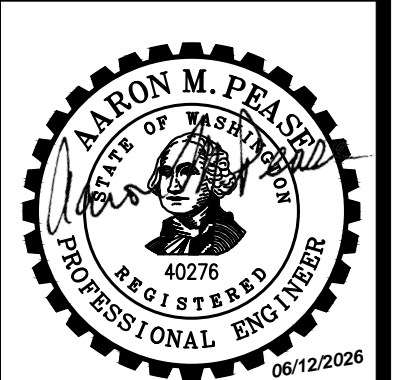
SCALE: 3/32"=1'-0"

DOOR SCHEDULE

NO.	MATERIAL & TYPE	DOOR SIZE: WIDTH x HEIGHT x THICKNESS	DOOR TYPE	FRAME TYPE	FINISH	U-FACTOR	HARDWARE GROUP
1	INSULATED HOLLOW METAL	3'-0" x 7'-0" x 1 3/4"	A	A	PAINT	0.37	1
2	INSULATED SECTIONAL OVERHEAD	16'-2" x 13'-7" x 1 3/4"	B	B	FACTORY	0.13	N/A

NOTE:

1. FRAME THROAT VARIES. COORDINATE & VERIFY FRAME DEPTH W/ FINISHED WALL SECTION.



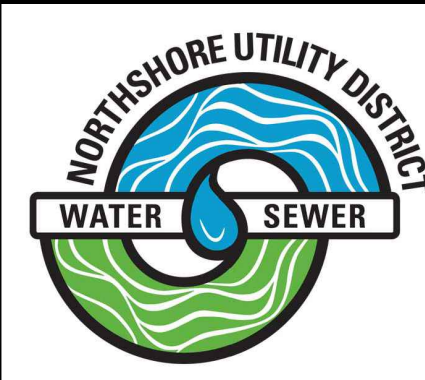
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WARNING

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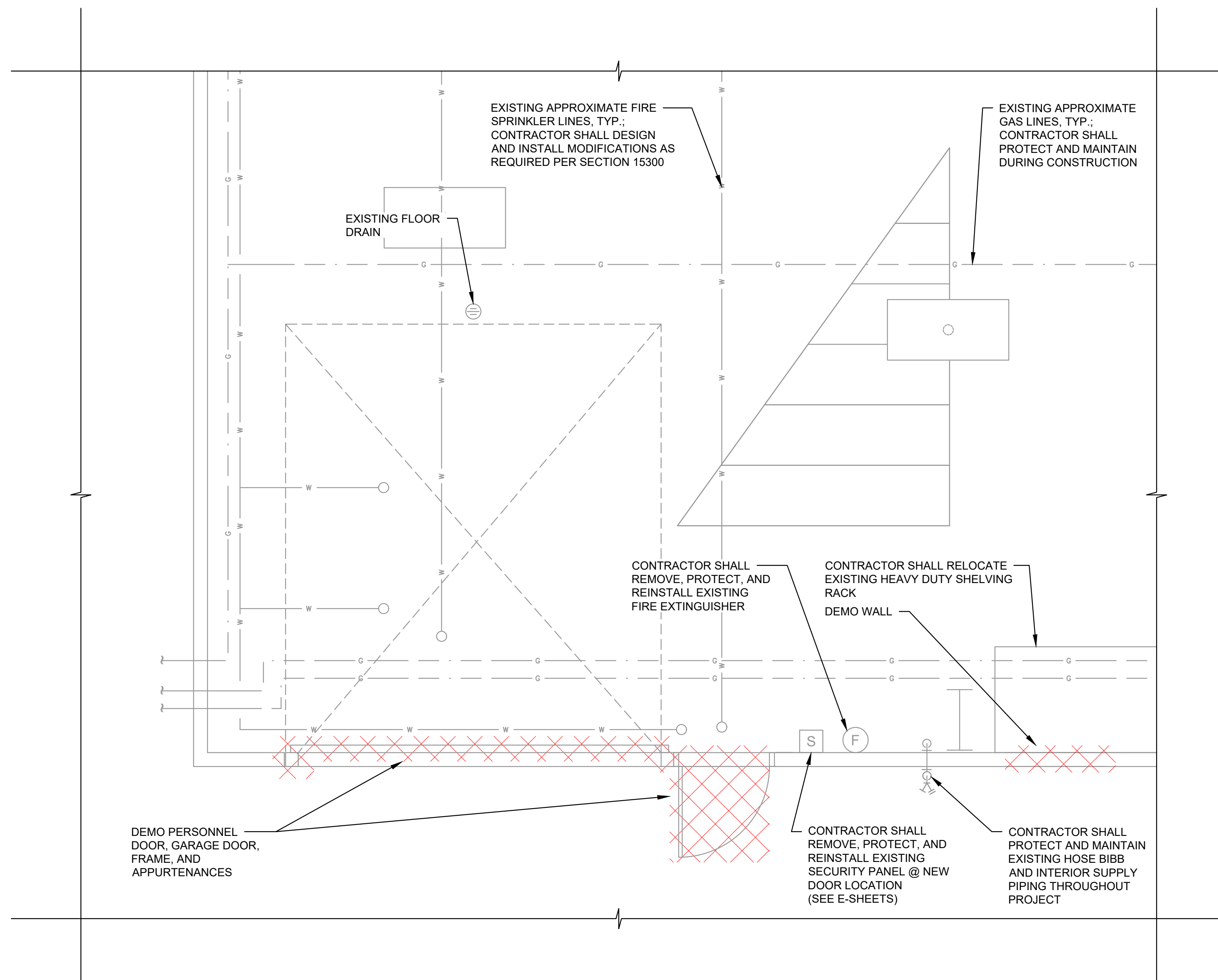
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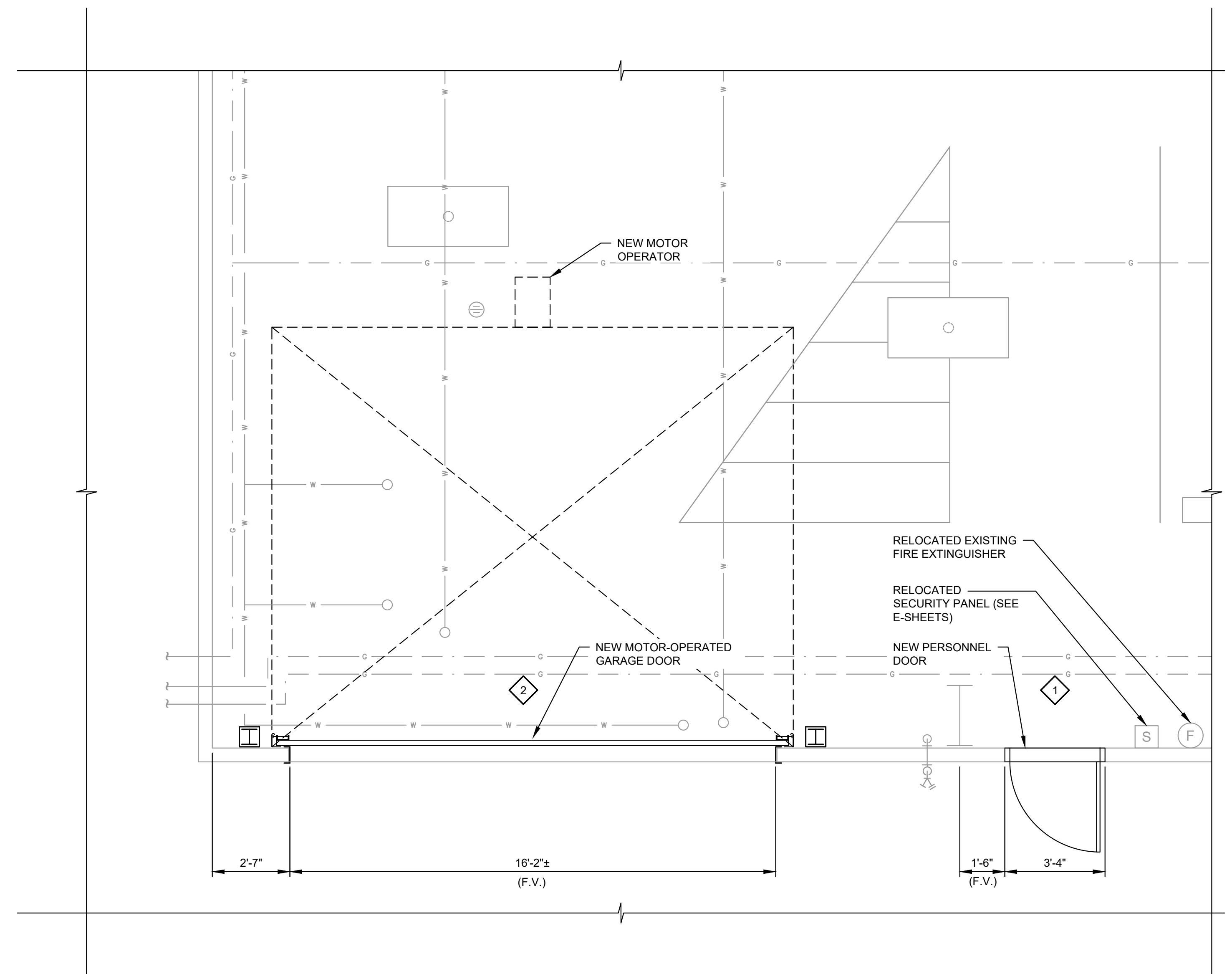
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BUILDING "B" FLOOR PLAN

SHEET
 A-2
 OF 4

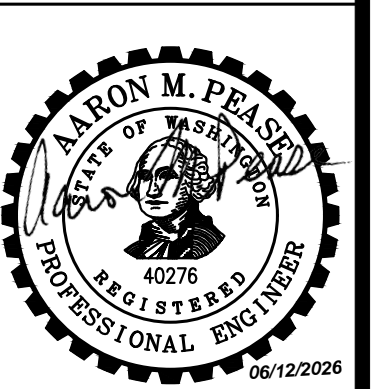


ENLARGED DEMOLITION FLOOR PLAN
SCALE: 3/8"=1'-0"



ENLARGED NEW FLOOR PLAN
SCALE: 3/8"=1'-0"

- NOTE:**
1. THE INTERIOR AND EXTERIOR PORTIONS OF THE SOUTH WALL WITHIN THE PROJECT EXTENTS SHOWN HERE SHALL BE REPAINTED IN ACCORDANCE WITH THE SPECIFICATIONS.



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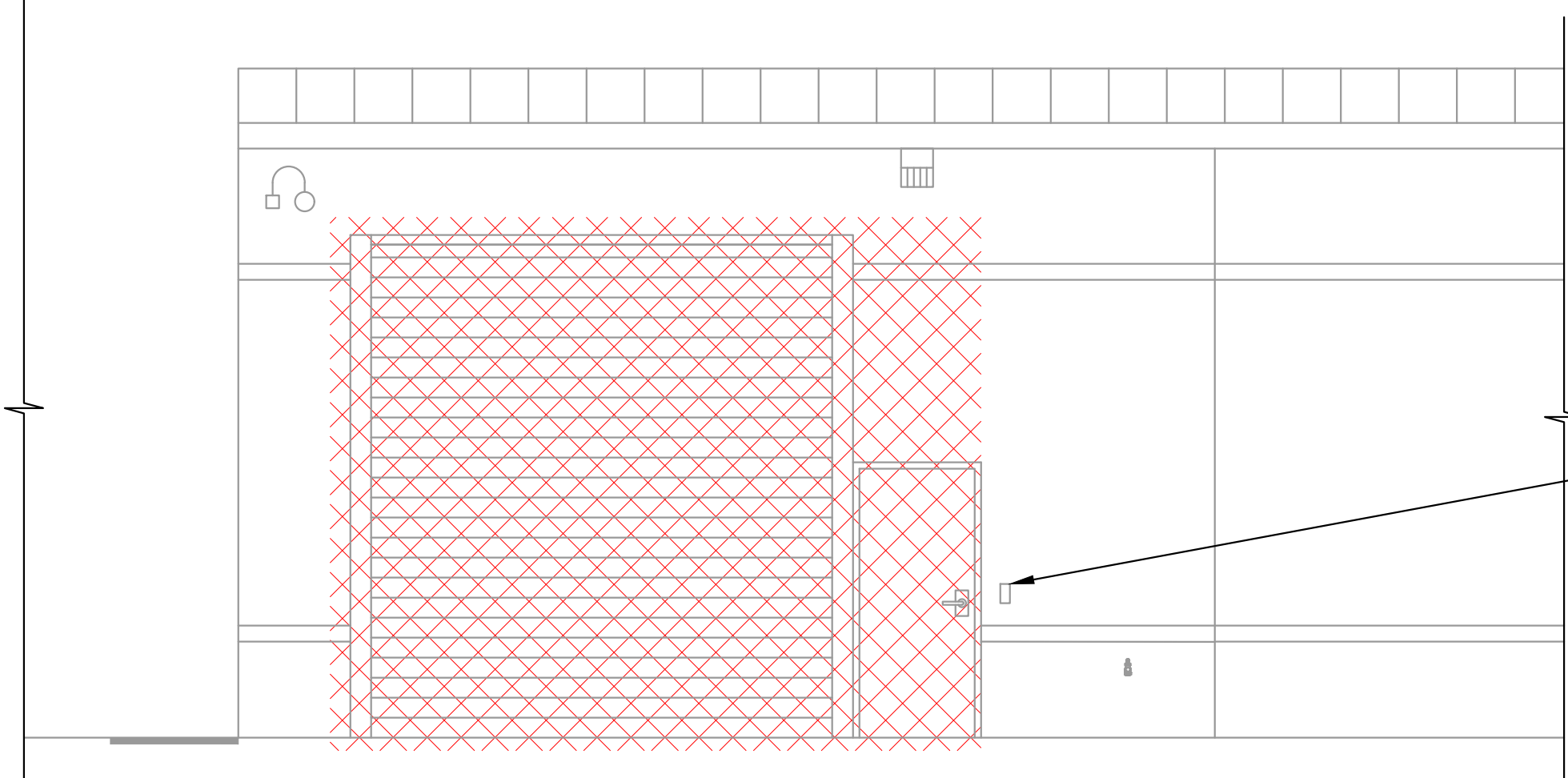
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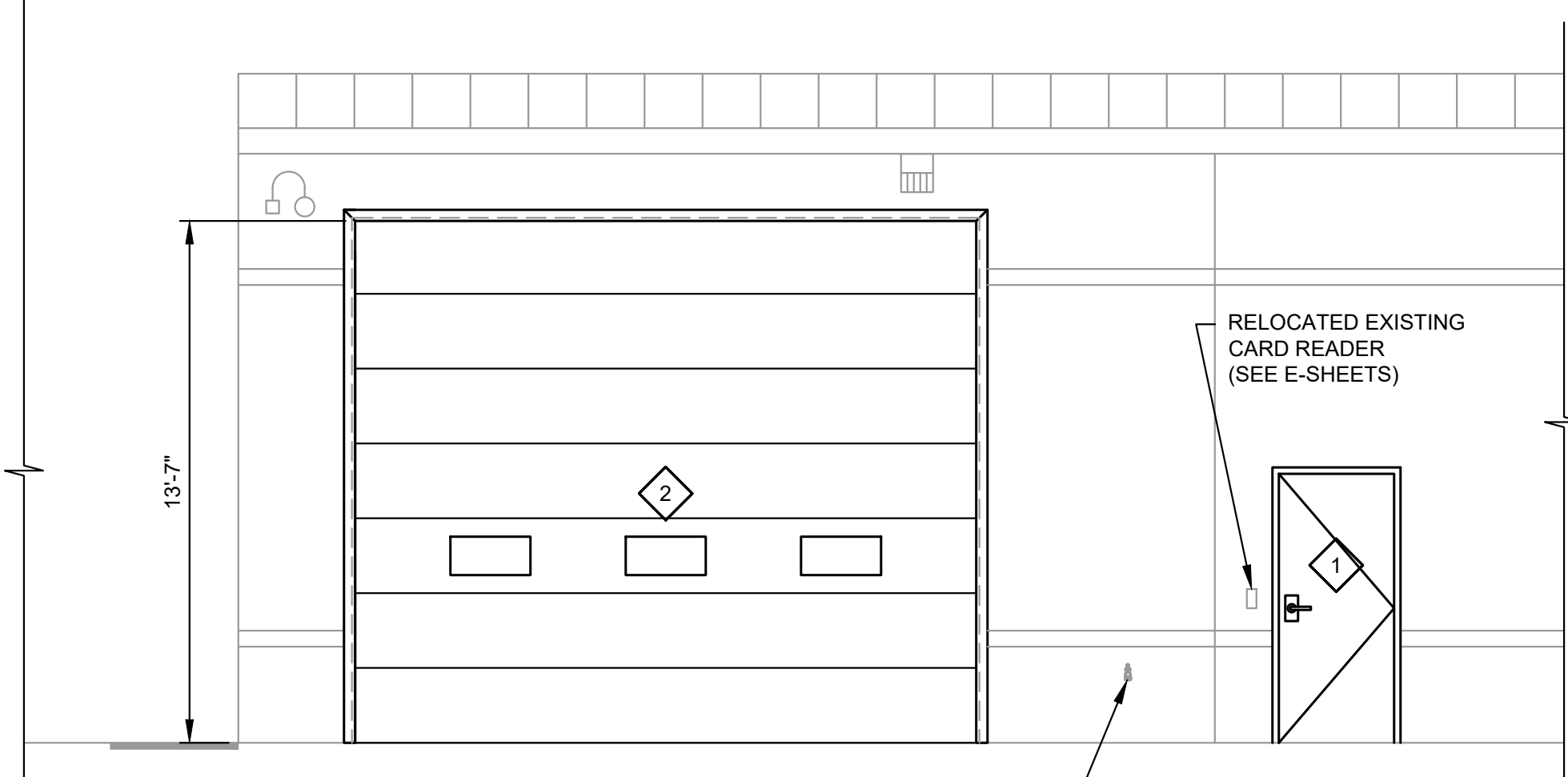
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C2503
BUILDING "B" BAY DOOR REPLACEMENT
BUILDING "B" ENLARGED DEMO AND NEW FLOOR PLANS

SHEET
A-3
OF 4



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



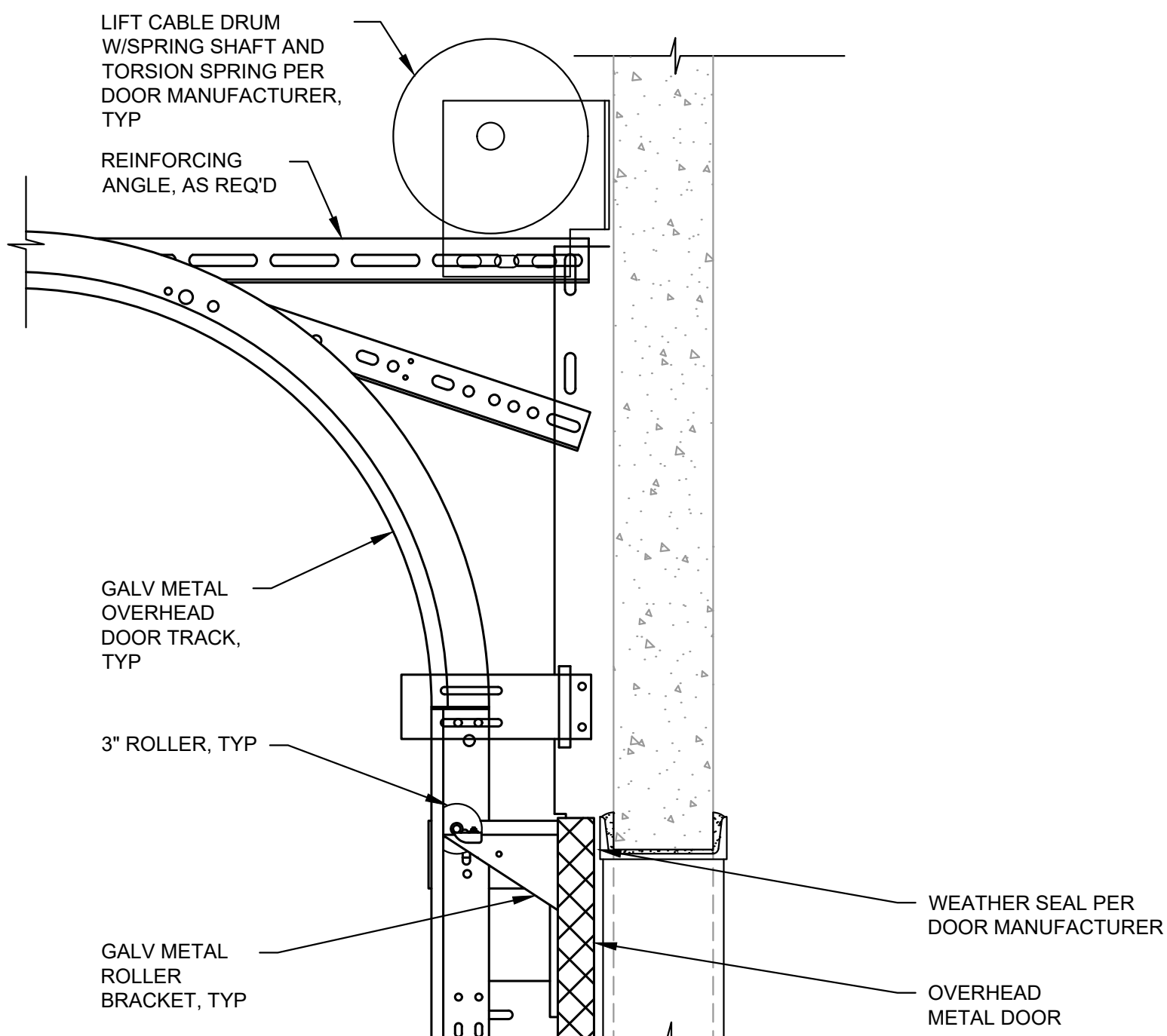
NEW ELEVATION
SCALE: 1/4"=1'-0"

CONTRACTOR SHALL REMOVE, PROTECT, AND REINSTALL EXISTING CARD READER @ NEW DOOR LOCATION (SEE E-SHEETS)

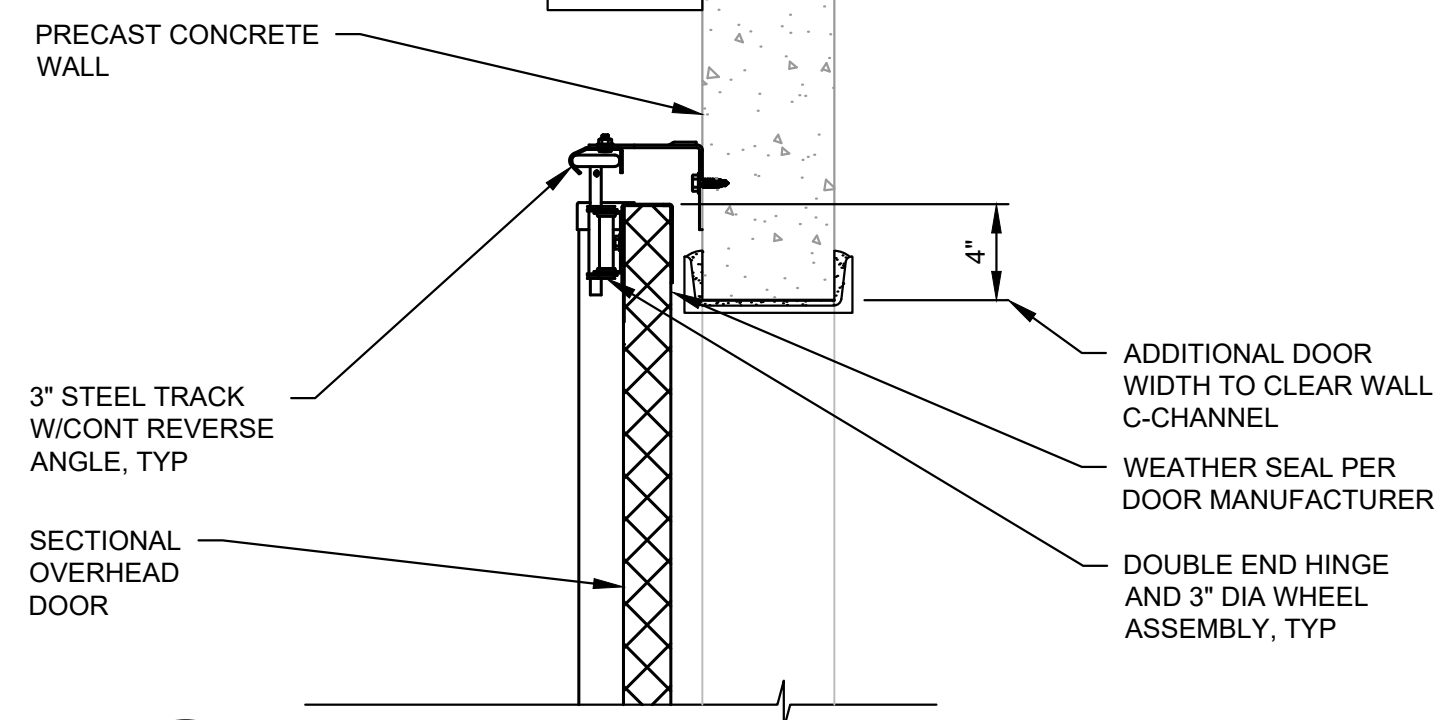
MAINTAIN EXISTING HOSE BIBB AND INTERIOR SUPPLY PIPING THROUGHOUT PROJECT

NOTE:

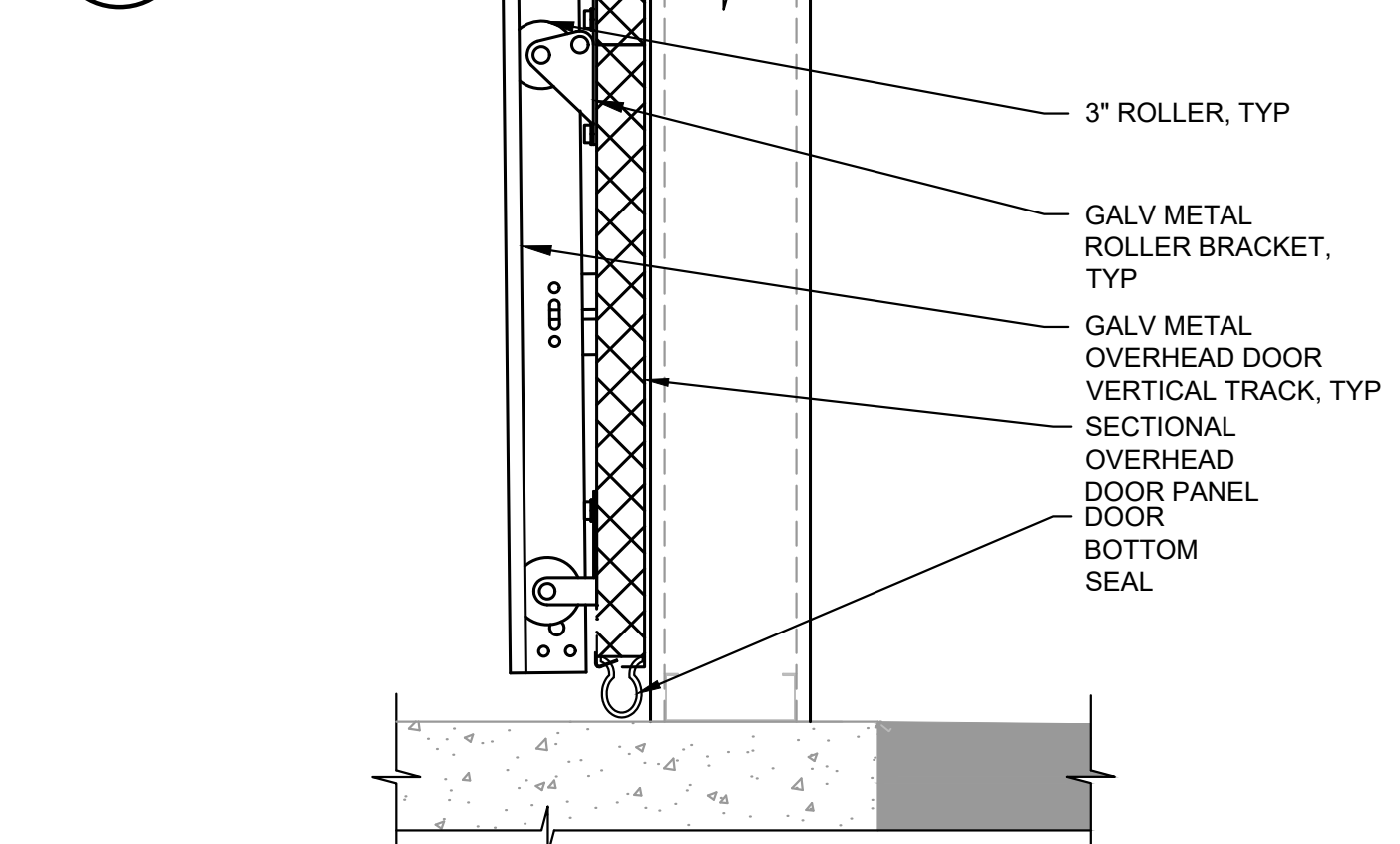
1. THE EXTERIOR PORTION OF THE SOUTH WALL WITHIN THE PROJECT EXTENTS SHOWN HERE SHALL BE REPAINTED IN ACCORDANCE WITH THE SPECIFICATIONS.



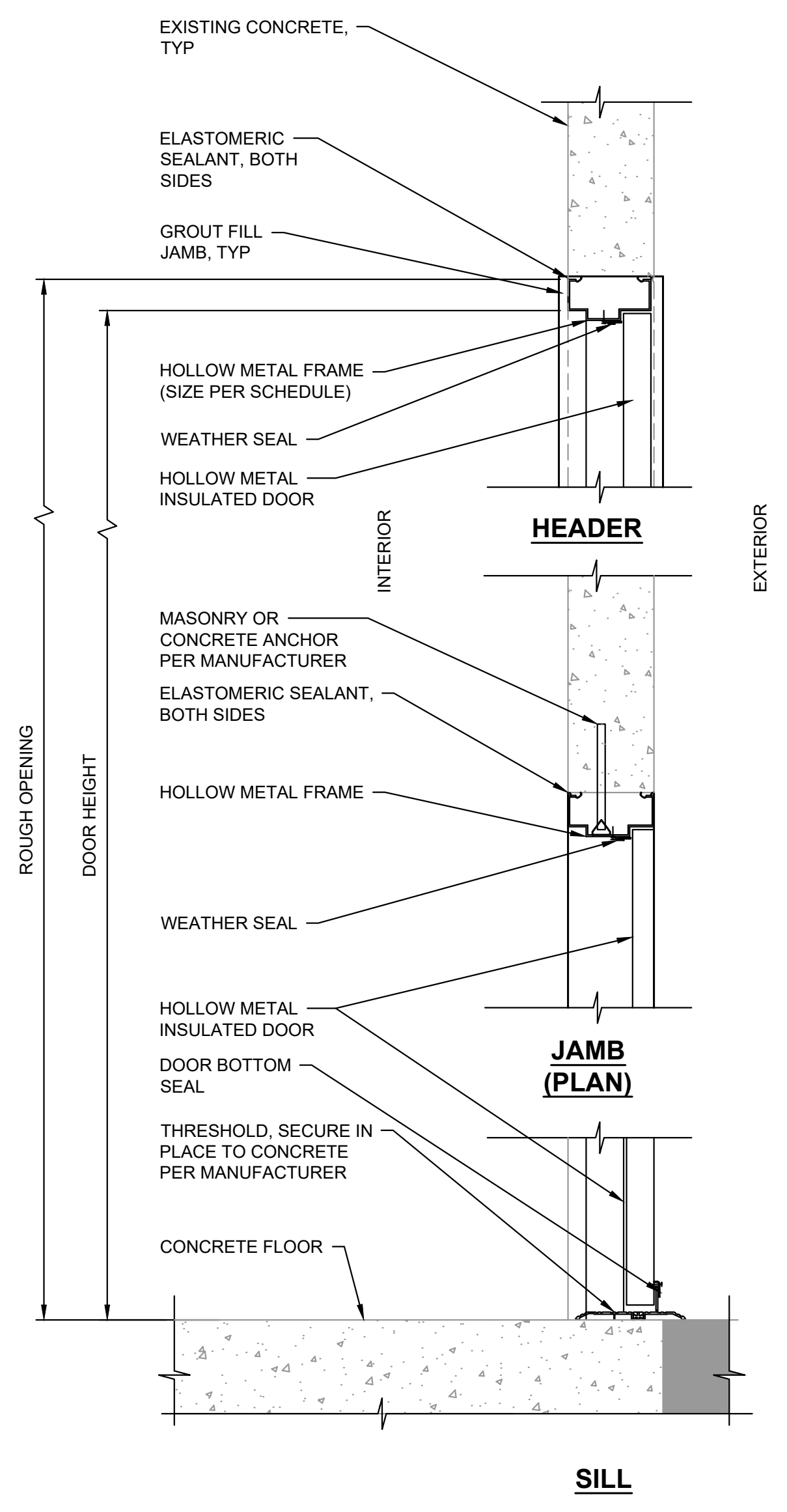
1 TYPICAL OVERHEAD DOOR HEAD DETAIL
SCALE: 1-1/2"=1'-0"



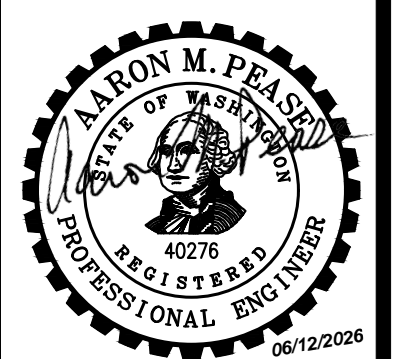
2 TYPICAL OVERHEAD DOOR JAMB DETAIL AT GIRTS
SCALE: 1-1/2"=1'-0"



3 TYPICAL OVERHEAD DOOR DOOR FOOT DETAIL
SCALE: 1-1/2"=1'-0"



4 DOOR IN EXISTING CMU/CONCRETE WALL DETAILS
SCALE: 1-1/2"=1'-0"



NO	BY	APPD	REVISION	DATE

WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



DESIGNED BY	AMP
DRAWN BY	EYS
CHECKED BY	AMP
APPROVAL	EBD
DATE	JUNE 2026



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C2503
BUILDING "B" BAY DOOR REPLACEMENT
BUILDING "B" DEMOLITION AND NEW ELEVATIONS

SHEET
A-4
OF 4

GENERAL STRUCTURAL NOTES

GENERAL

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY. USE DETAIL MARKED "TYPICAL" WHEREVER APPLICABLE. CHANGES, OMISSIONS OR SUBSTITUTIONS ARE NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER. REFER TO THE SPECIFICATIONS FOR FURTHER REQUIREMENTS. DO NOT SCALE THE DRAWINGS.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2021 EDITION OF THE INTERNATIONAL BUILDING CODE.

THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ENGINEER OF RECORD. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO ITS COMPLETION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE COMPLETION OF THE STRUCTURE.

THE GENERAL NOTES APPLY TO ALL STRUCTURES UNLESS NOTED OTHERWISE (U.N.O.). LOCATION AND SIZE OF ANCHOR BOLTS FOR SPECIFIC EQUIPMENT SHALL BE SPECIFIED BY THE VENDOR. CONTRACTOR SHALL COORDINATE LOCATIONS OF STRUCTURAL OPENINGS, PENETRATIONS AND EMBEDDED ITEMS WITH THE MECHANICAL, ARCHITECTURAL, ELECTRICAL, PLUMBING AND VENTILATION SECTIONS OF THE DRAWINGS AND WITH SUPPLIERS AND SUBCONTRACTORS AS MAY BE REQUIRED.

SPECIAL INSPECTION & TESTING

SPECIAL INSPECTIONS SHALL MEET THE REQUIREMENTS OF IBC CHAPTER 17. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DRAWINGS AND SPECIFICATIONS.

FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND ENGINEER. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE BUILDING OFFICIAL AND ENGINEER. SUBMIT A FINAL REPORT STATING THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF IBC.

SPECIAL INSPECTION REQUIRED:

STEEL: IN ACCORDANCE WITH SECTION 1705.2
CONCRETE: IN ACCORDANCE WITH SECTION 1705.3 AND TABLE 1705.3

SHOP DRAWINGS

SHOP DRAWINGS, WHERE REQUIRED, SHALL BE CHECKED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR ENGINEER REVIEW. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW OF DESIGN INTENT, PRIOR TO FABRICATION. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF DIMENSIONS AND DETAILS FOR EACH SUBCONTRACTOR.

DESIGN LOADS

ROOF SNOW LOAD:
GROUND SNOW LOAD, P_g..... 20 PSF

WIND DESIGN DATA:

ULTIMATE WIND SPEED (3-SECOND GUST), V_{ult}..... 105 MPH
NOMINAL WIND SPEED, V_{asd}..... 81 MPH
RISK CATEGORY..... III
WIND EXPOSURE..... C

EARTHQUAKE DESIGN DATA

MAPPED SPECTRAL RESPONSE ACCELERATIONS
S_s..... 1.27 g
S₁..... 0.445 g
SITE CLASS..... E
SPECTRAL RESPONSE COEFFICIENT
S_{ds}..... 1.016 g
S_{d1}..... 0.445 g
SEISMIC IMPORTANCE FACTOR, I_e..... 1.25
RISK CATEGORY..... III
SEISMIC DESIGN CATEGORY..... D

ALLOWABLE BEARING PRESSURE:.....1500 PSF (ASSUMED PER IBC)

ABOVE ARE ASSUMED PER DATA PROVIDED. CONTRACTOR MUST VERIFY IN FIELD.

EXTEND ALL EXTERIOR FOOTINGS 2'-0" MINIMUM BELOW FINISHED GRADE. UNO (UNLESS NOTED OTHERWISE); BOTTOM OF ALL FOOTINGS TO BEAR ON 12" MINIMUM PROPERLY COMPACTED CSBC OVER NATIVE, INORGANIC, UNDISTURBED SOIL. NO FOOTING SHALL BEAR HIGHER THAN 1 VERTICAL TO 1.5 HORIZONTAL SLOPE ABOVE ANY EXCAVATION, EXISTING OR PLANNED. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING TO PREVENT MOVEMENT OF WALLS IF BACKFILL IS PLACED BEFORE FLOOR SYSTEM IS IN PLACE. THERE SHALL BE 95% COMPACTION (ASTM D1557 MODIFIED PROCTOR DENSITY) OF ALL BACKFILL SOIL UNDER SLABS ON GRADE.

CAST-IN-PLACE CONCRETE

CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
28-DAY STRENGTH f_c=3,500 PSI
AIR ENTRAINMENT: 5%-7%
MAXIMUM SLUMP: 3" FOR SLABS FOOTINGS, 4" FOR WALLS, COLUMNS AND BEAMS. CONSTRUCTION TO BE IN ACCORDANCE WITH ACI 318.

SUBMIT MIX DESIGN FOR REVIEW AND PROVIDE NOT LESS THAN 6 SACKS OF CEMENT PER CUBIC YARD FOR ALL CONCRETE WITH MAXIMUM W/C=0.45.

REINFORCING STEEL

WELDED WIRE FABRIC (W.W.F.): ASTM A82 AND A185
DEFORMED BARS: ASTM A615, GRADE 60 (GRADE 40 FOR #3).
UNLESS OTHERWISE NOTED ON THESE DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST SOIL=3".
FORMED CONCRETE AGAINST SOIL=2".
WALLS, COLUMNS AND BEAMS EXPOSED TO WATER, SEWAGE & WEATHER=2".
WALLS, COLUMNS AND BEAMS DRY CONDITION=1 1/2".

PROVIDE 2-#5 MIN. U.N.O. TRIM BARS AROUND ALL OPENINGS IN CONCRETE WALLS OR SLAB EXTENDING 2'-6" PAST CORNERS, TYP. AT TIME OF CONCRETE PLACEMENT, REINFORCING SHALL BE FREE OF MUD, OIL, OR OTHER NONMETALLIC COATINGS THAT MAY DECREASE BOND.

WELDING OF REINFORCING BARS SHALL CONFORM TO ANSI/AWS D1.4. WHERE PERMITTED, LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING OF REINFORCING BARS. SPECIAL INSPECTION IS REQUIRED FOR ALL FIELD WELDING.

SUBMIT SHOP DRAWINGS OF REINFORCING STEEL FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION. REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 AND 318 (LATEST EDITION).

STRUCTURAL STEEL AND MISCELLANEOUS METALS

"W" SHAPES: ASTM A992, F_y=50 KSI.
"HP" SHAPES: ASTM A572, F_y=50, KSI.
CHANNELS, ANGLES, PLATES, AND BARS: ASTM A36, F_y=36 KSI.
PIPE: ASTM A53 OR A501, F_y=35 KSI MINIMUM.
TUBING: ASTM A500, GRADE B, F_y=46 KSI.

ALL BOLTS FOR CONNECTIONS IN SUBMERGED CONDITION SHALL BE: ASTM F593C OR F593D STAINLESS STEEL (SS) BOLTS. ALL OTHERS SHALL BE GALVANIZED ASTM F3125 GRADE A325 BOLTS HIGH STRENGTH BOLTS (H.S.B.), U.N.O. AS ASTM A307 MACHINE BOLTS (M.B.). WHERE HIGH STRENGTH BOLTS ARE USED, THEY SHALL BE INSTALLED WITH LOAD INDICATOR DEVICES (LOAD INDICATOR WASHERS OR SNAP-OFF HEADS).

ADHESIVE ANCHORS: HILTI HIT-RE 500 V3 OR APPROVED EQUAL, U.N.O. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ADHESIVE ANCHORS SHALL NOT BE INSTALLED IN FRESH CONCRETE UNTIL THE CONCRETE HAS REACHED A MINIMUM AGE OF 21 DAYS.

HEADED ANCHOR STUDS (H.A.S.): ASTM A108, F_y=50 KSI, END WELDED PER MANUFACTURER'S RECOMMENDATIONS. ALL ANCHOR BOLTS AND THREADED RODS: ASTM F1554, U.N.O., ASTM A193 GRADE B8 WHERE STAINLESS STEEL IS NOTED. ALL ANCHOR BOLTS MUST BE ACCURATELY PLACED IN THEIR FINAL LOCATION PRIOR TO POURING CONCRETE, "WET STICKING" OF ANCHOR BOLTS IS NOT ALLOWED.

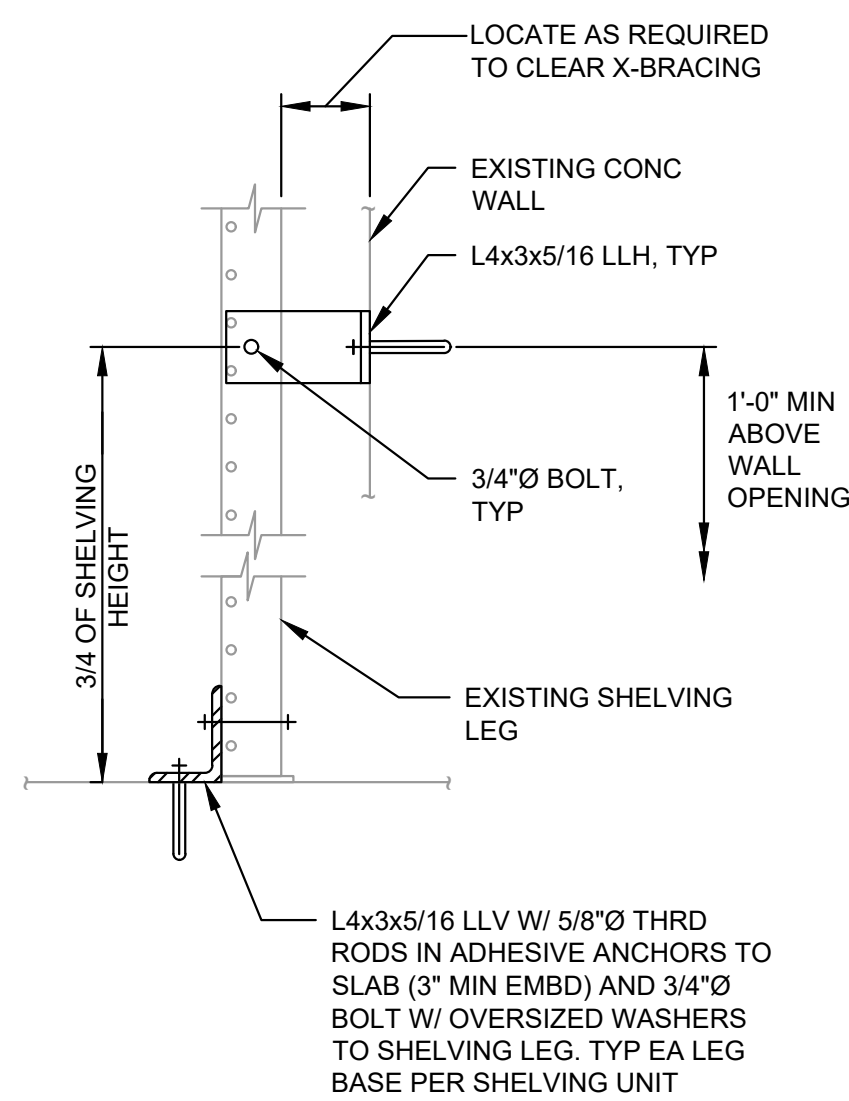
WELDING ELECTRODES OR WIRES: AWS A5.1 OR A5.5, E70XX; AWS A5.17, E70S-X; AWS A5.20, E7XT-X. FOR ALL SHOP WELDS AND FIELD WELDS OF ALL LATERAL RESISTING ELEMENTS, ELECTRODES SHALL BE E70 WITH A MINIMUM SPECIFIED CVN OF 20 FT-LBS AT -20 DEGREES FAHRENHEIT. ALL WELDS SHALL BE 3/16" MINIMUM U.N.O.

ERECTION AND FABRICATION IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS." WELDING SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE - STEEL". ALL WELDING SHALL BE PERFORMED BY AWS/WABO CERTIFIED WELDERS.

ALL COLUMNS AND BEAMS TO BE FROM UNSPLICED LENGTHS U.N.O. ON THE DRAWINGS. SUBMIT SHOP DRAWINGS SHOWING SIZES, DIMENSIONS AND REQUIRED CONNECTION DETAILS FOR REVIEW BY THE ENGINEER PRIOR TO FABRICATION.

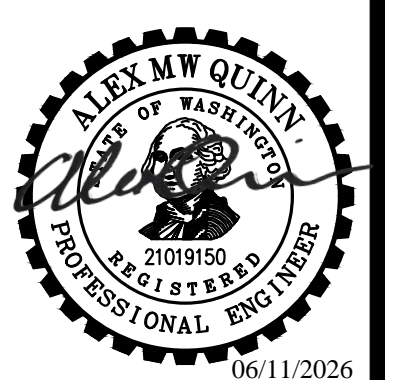
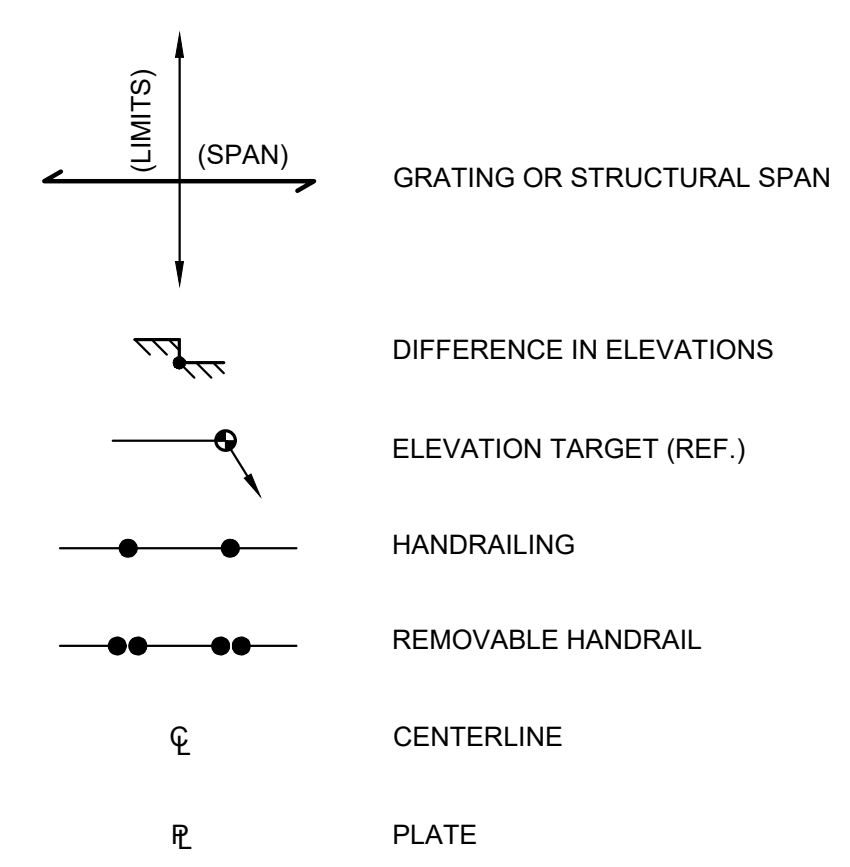
SUPPLEMENTAL STRUCTURAL ABBREVIATIONS:

ABV	ABOVE	FRM/G	FRAMING	STIRR	STIRRUP
AFF	ABOVE FINISH FLOOR	FS	FAR SIDE	STRUC	STRUCTURE(AL)
ADD'L	ADDITIONAL	FTG	FOOTING	SYM	SYMMETRICAL
ADJ	ADJACENT	GA	GAUGE	T	TOP
AL	ALUMINUM	GB	GRADE BEAM	T&G	TONGUE AND GROOVE
APPRX	APPROXIMATE	GLB	GLUE-LAMINATED BEAM	TMPRY	TEMPORARY
ARCH	ARCHITECTURAL	HAS	HEADER ANCHOR STUDS	TN	TOE NAIL
@	AT	HDR	HEADER	TO	TOP OF
BEL	BELOW	HF	HEM-FIR	TOS	TOP OF SLAB
BF	BRACED FRAME	HGR	HANGER	TRANS	TRANSVERSE
BM	BEAM	HSB	HIGH STRENGTH BOLT (A325 UNO)	TYP	TYPICAL
BN	BOUNDARY NAIL	HSS	HOLLOW STRUCTURAL STEEL	UNO	UNLESS NOTED OTHERWISE
BNDRY	BOUNDRY	IBC	INTERNATIONAL BUILDING CODE	VFY	VERIFY
BO	BOTTOM OF	IF	INSIDE FACE	WHS	WELDED HEADED STUD
BOS	BOTTOM OF SLAB	INT	INTERIOR	WP	WORK POINT
BOT	BOTTOM	JST	JOIST	WS	WESTERN SPECIES
BRDG	BRIDGE(ING)	K	KIPS (1000 POUNDS)	WTS	WELDED THREADED STUD
BRG	BEARING	LAT	LATERAL	X-STG	EXTRA STRONG
CAM	CAMBER(ED)	LDGR	LEDGER	XX-STG	DOUBLE EXTRA STRONG
CANT	CANTILEVER(ED)	LLH	LONG LEG HORIZONTAL		
CDF	CONTROLLED DENSITY FILL	LLV	LONG LEG VERTICAL		
CG	CENTER OF GRAVITY	LS	LAG SCREW		
CIP	CAST IN PLACE	LSL	LAMINATED STRAND LUMBER		
CJ	CONTROL JOINT	LT WT	LIGHT WEIGHT		
CJP	COMPLETE JOINT PENETRATION	LVL	LAMINATED VENEER LUMBER		
COL	COLUMN	MAS	MASONRY		
CONST	CONSTRUCTION	MAT'L	MATERIAL		
CONT	CONTINUOUS	MB	MACHINE BOLT (A307)		
CTSK	COUNTERSINK	MFR	MANUFACTURER		
d	DEPTH	MRF	MOMENT RESISTING FRAME		
d	PENNY (NAILS)	MTL	METAL		
DBL	DOUBLE	(N)	NEW MEMBER		
DF	DOUGLAS FIR	NS	NEAR SIDE		
DIAG	DIAGONAL	OH	OVERHANG		
DIAPH	DIAPHRAGM	ORNT	ORIENTATE (ION)		
do	DITTO (DO OVER)	PAR	PARALLEL		
DWG	DRAWING	P/C	PRECAST CONCRETE		
DWL	DOWEL	PERP	PERPENDICULAR		
EA	EACH	PSL	PARALLEL STRAND LUMBER		
EF	EACH FACE	PT	PRESSURE TREAT(ED)		
EJ	EXPANSION JOINT	P/T	POST TENSIONED		
EMBD	EMBED(MENT)	QTY	QUANTITY		
EN	EDGE NAIL	REF	REFERENCE		
ENG	ENGINEER	REINF	REINFORCEMENT		
EQ	EQUAL	SHT	SHEET		
ES	EACH SIDE	SHTG	SHEATHING		
EXIST	EXISTING MEMBER	SIM	SIMILAR		
EXT	EXTERIOR	SKW	SKEW(ED)		
FFE	FINISHED FLOOR ELEVATION	SPC	SPACING		
FN	FACE NAIL	SS	STAINLESS STEEL		
FND	FOUNDATION	STGR	STAGGER		
FO	FACE OF	STIFF	STIFFENER		

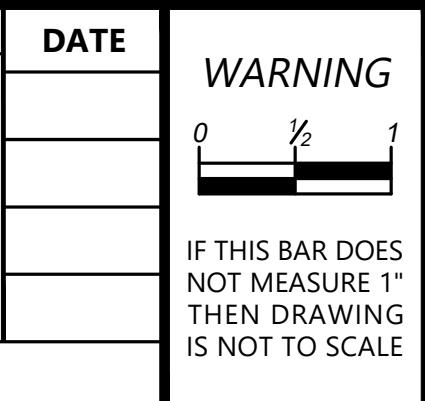


1 EXISTING SHELVING RE-INSTALLATION
TYP SCALE: 1 1/2"=1'-0"

STRUCTURAL LEGEND



NO	BY	APPD	REVISION	DATE



DESIGNED BY	AMP
DRAWN BY	EYS
CHECKED BY	AMP
APPROVAL	EBD
DATE	JUNE 2026

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C2503
BUILDING "B" BAY DOOR REPLACEMENT
**STRUCTURAL NOTES, SUPPLEMENTAL
STRUCTURAL ABBREVIATIONS, AND
STRUCTURAL LEGEND**

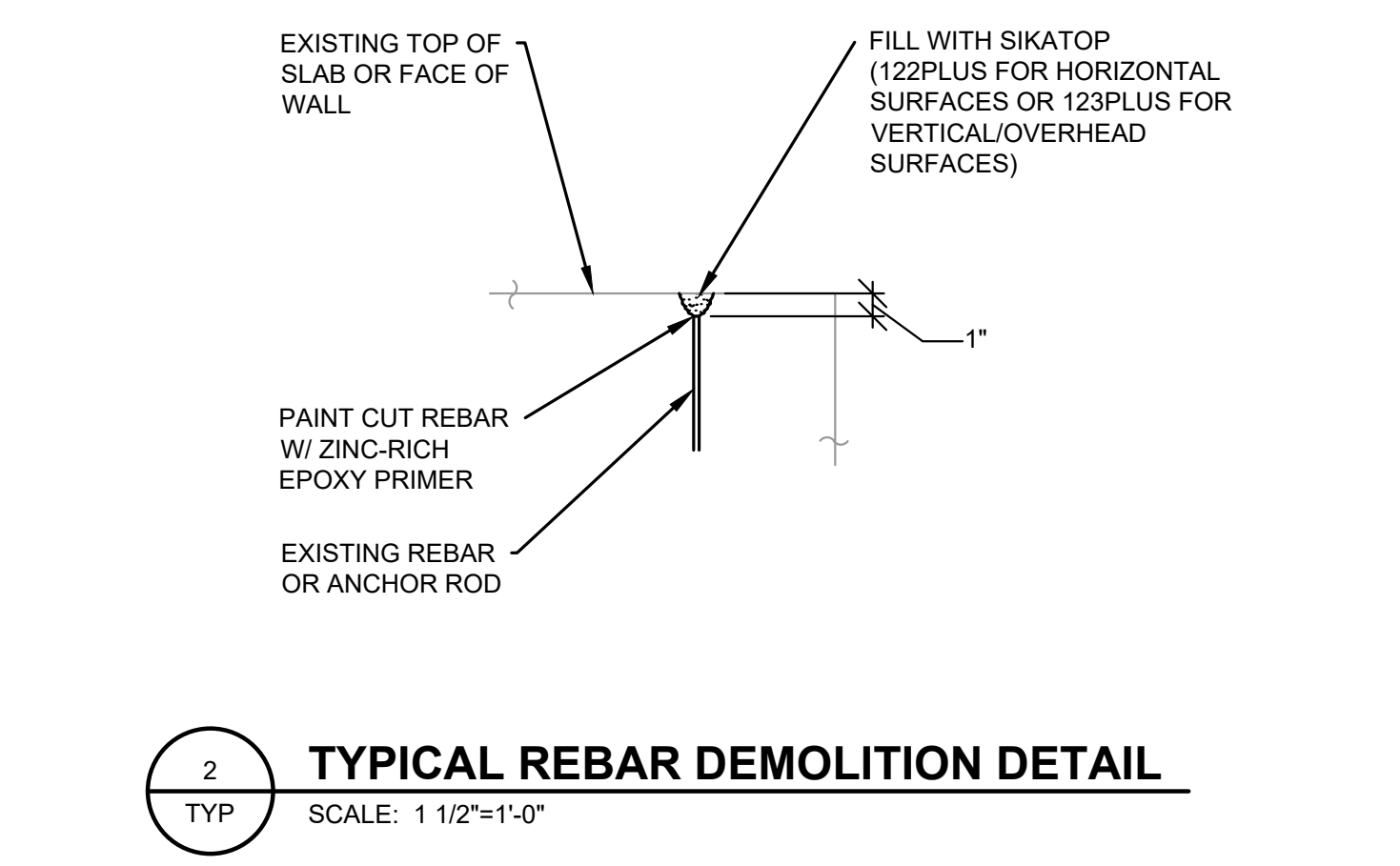
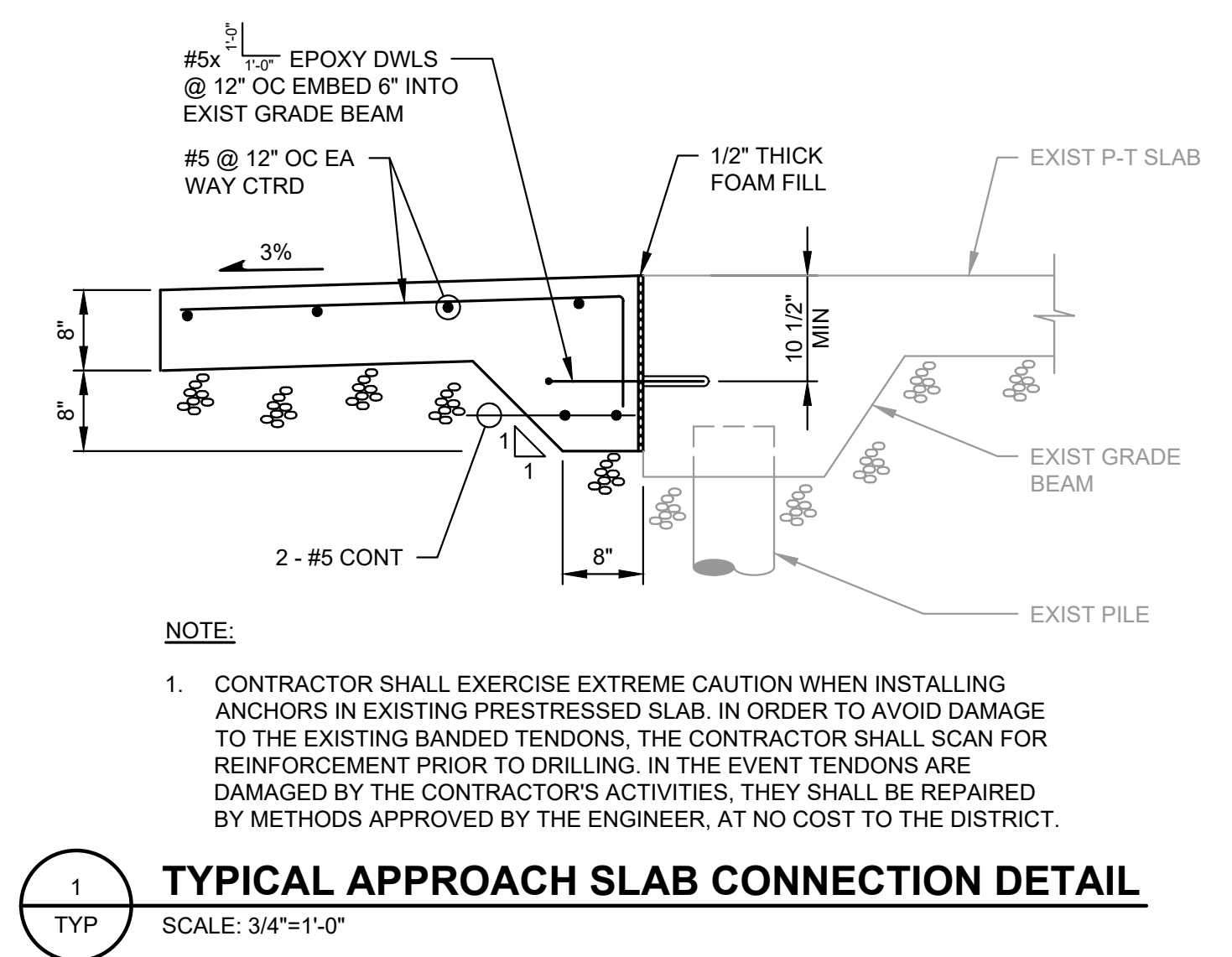
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S-1
OF 4

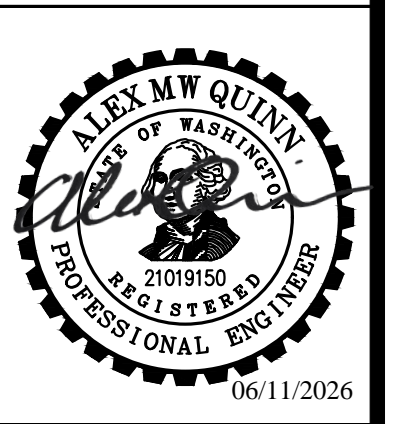
SPECIAL INSPECTIONS AND TESTS OF STEEL CONSTRUCTION				
TYPE	QC	QA	REFERENCED STANDARD	
INSPECTION TASKS PRIOR TO WELDING				
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS.	P	O	AISC 360 TABLE N5.4-1	
WPS AVAILABLE.	P	P		
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P		
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O		
WELDER IDENTIFICATION SYSTEM ^[a]	O	O		
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) <ul style="list-style-type: none"> • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE) 	O	O		
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) <ul style="list-style-type: none"> • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) 	P	O		
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O		
FIT-UP OF FILLET WELDS <ul style="list-style-type: none"> • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) 	O	O		
CHECK WELDING EQUIPMENT	O	-		
INSPECTION TASKS DURING WELDING				
CONTROL AND HANDLING OF WELDING CONSUMABLES <ul style="list-style-type: none"> • PACKAGING • EXPOSURE CONTROL 	O	O	AISC 360 TABLE N5.4-2	
NO WELDING OVER CRACKED TACK WELDS	O	O		
ENVIRONMENTAL CONDITIONS <ul style="list-style-type: none"> • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE 	O	O		
WPS FOLLOWED <ul style="list-style-type: none"> • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH) 	O	O		
WELDING TECHNIQUES <ul style="list-style-type: none"> • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS 	O	O		
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P		
INSPECTION TASKS AFTER WELDING				
WELDS CLEANED	O	O		AISC 360 TABLE N5.4-3
SIZE, LENGTH AND LOCATION OF WELDS	P	P		
WELDS MEET VISUAL ACCEPTANCE CRITERIA <ul style="list-style-type: none"> • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY 	P	P		
ARC STRIKES	P	P		
K-AREA ^[a]	P	P		
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ^[b]	P	P		
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P		
REPAIR ACTIVITIES	P	P		
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P		
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O		

SPECIAL INSPECTIONS AND TESTS OF STEEL CONSTRUCTION (CONT'D)				
INSPECTION TASKS PRIOR TO BOLTING				
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	AISC 360 TABLE N5.6-1	
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O		
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O		
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O		
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE LAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O		
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O		
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O	AISC 360 TABLE N5.6-2	
INSPECTION TASKS DURING BOLTING				
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	O	O		
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	O	O		
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O		
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O		
INSPECTION TASKS AFTER BOLTING				
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	AISC 360 TABLE N5.6-3	
INSPECTION OF ANCHOR ROD PLACEMENT AND EMBEDDED ITEMS				
DIAMETER, GRADE, TYPE, AND LENGTH	P	P	AISC 360 SECTION N5.7	
EXTENT OF EMBEDMENT INTO CONCRETE	P	P		
INSPECTION OF FABRICATED OR ERECTED STEEL				
VERIFY COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS	P	P		

SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION				
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: <ul style="list-style-type: none"> a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND; c. INSPECT ALL OTHER WELDS. 	X	X	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. ⁹ <ul style="list-style-type: none"> a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a. 	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	1908.9
9. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.11.2	-
10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.11.1.2(b)	-



- SPECIAL INSPECTION NOTES:**
- ITEMS MARKED WITH AN "X" REQUIRE INSPECTION BY A SPECIAL INSPECTOR APPROVED BY THE BUILDING OFFICIAL.
 - ITEMS MARKED "NA" ARE NOT APPLICABLE TO THIS PROJECT.
 - TESTING AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER, BUILDING OFFICIAL, AND CONTRACTOR. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OF WAS NOT COMPLETED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
 - OWNER WILL CONTRACT FOR SPECIAL INSPECTION SERVICES.
 - QA: QUALITY ASSURANCE TASK, PERFORMED BY THE QUALITY ASSURANCE INSPECTOR.
 - QC: QUALITY CONTROL TASK, PERFORMED BY THE CONTRACTOR'S OR FABRICATOR'S QUALITY CONTROL INSPECTOR.
 - O: ITEMS TO BE OBSERVED ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 - P: ITEMS TO BE PERFORMED FOR EACH JOINT OR MEMBER.



NO	BY	APPD	REVISION	DATE

WARNING
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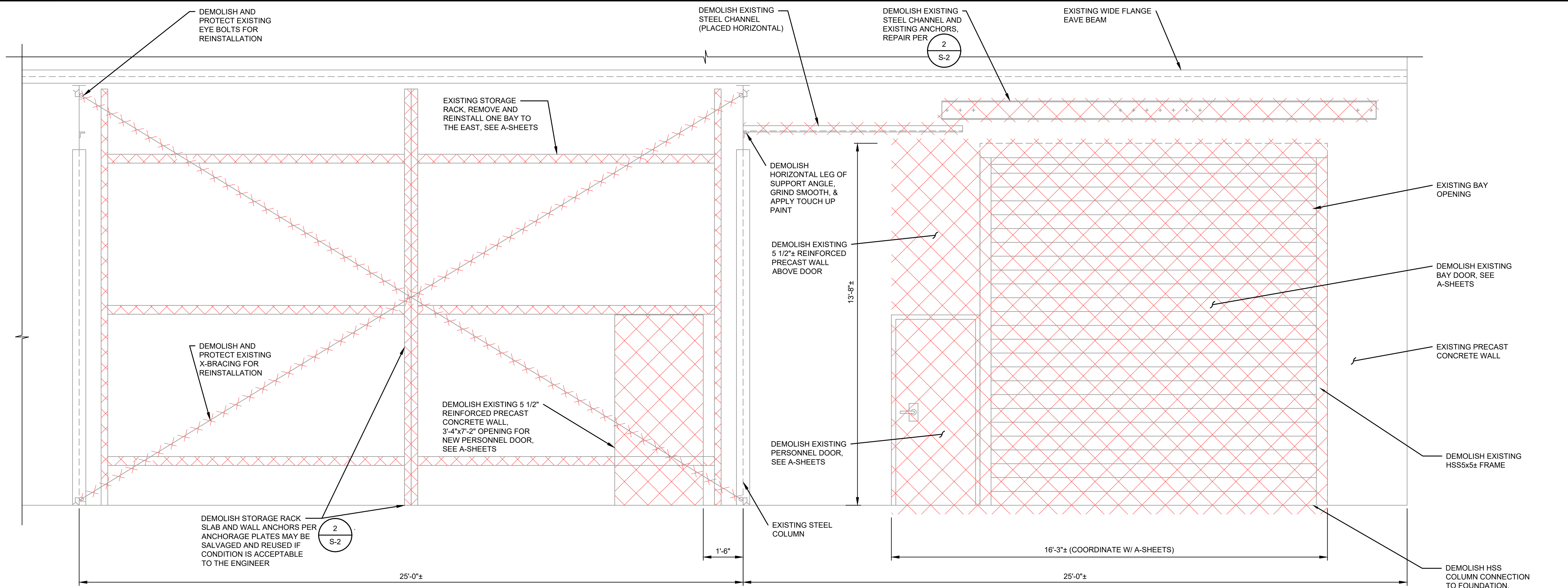
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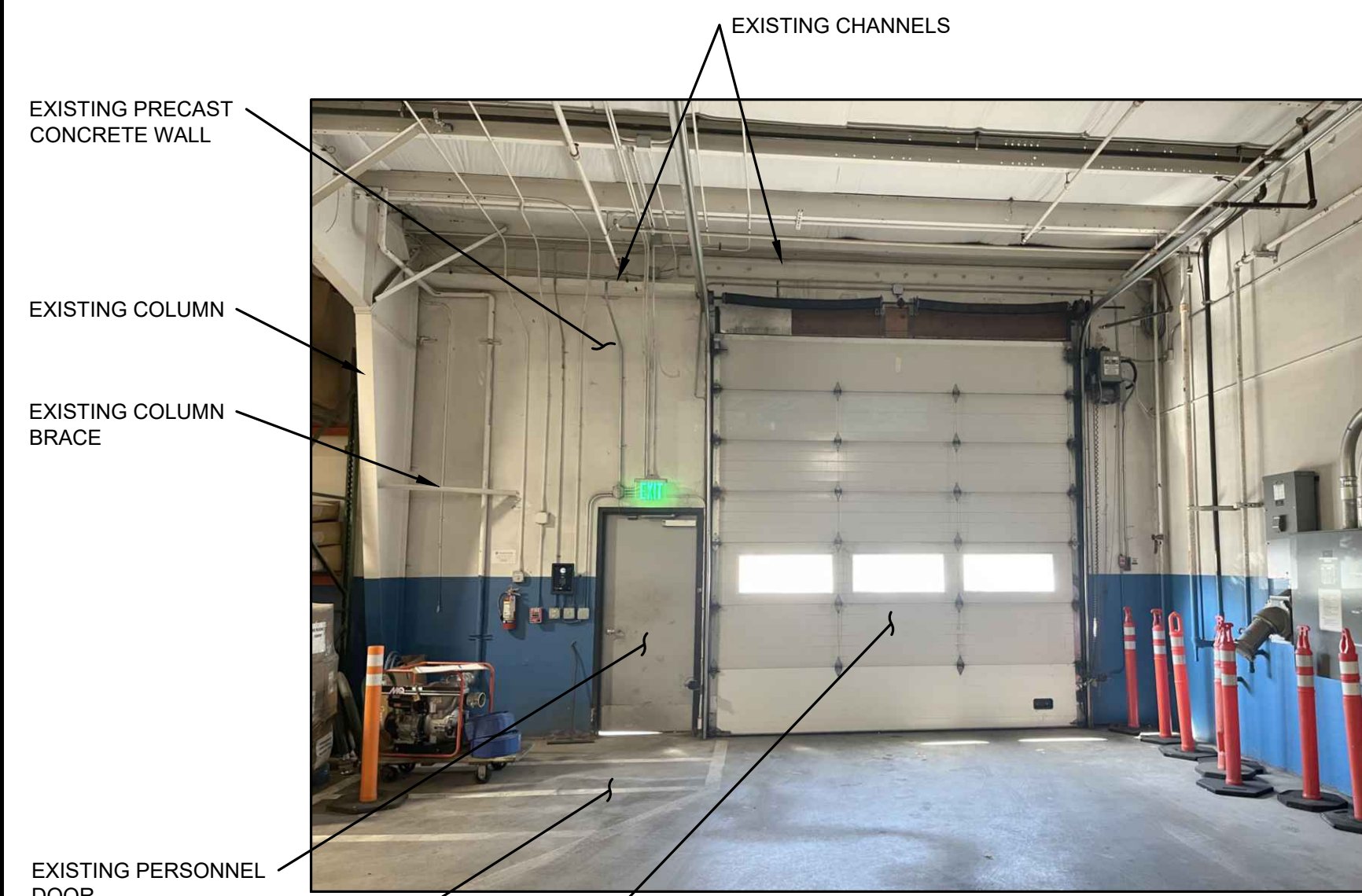
C2503
BUILDING "B" BAY DOOR REPLACEMENT
SPECIAL INSPECTION SCHEDULES AND TYPICAL DETAIL

SHEET
S-2
OF 4

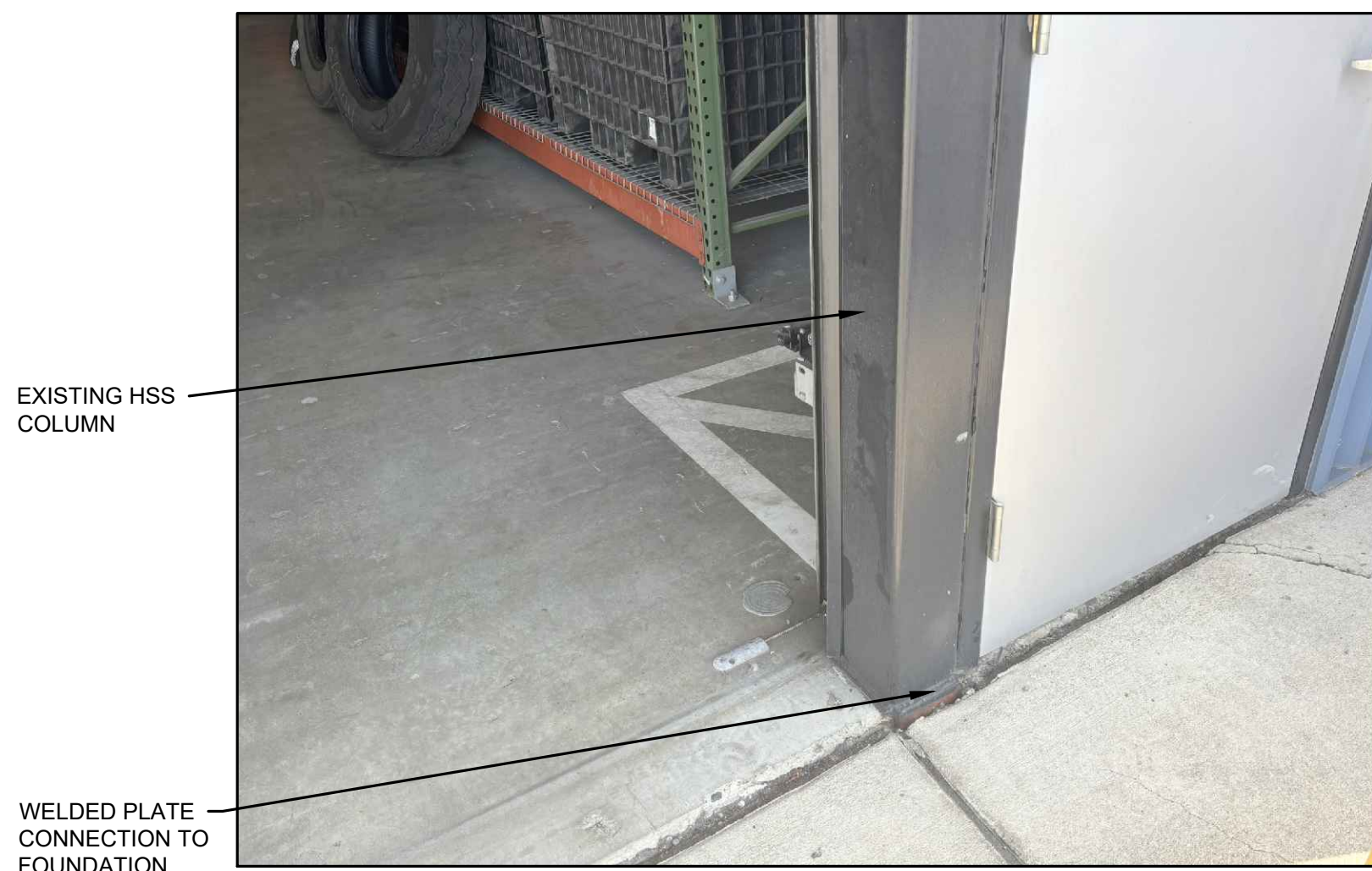


DEMOLITION ELEVATION

SCALE: 1/2"=1'-0"



1 PHOTO DETAIL
NTS



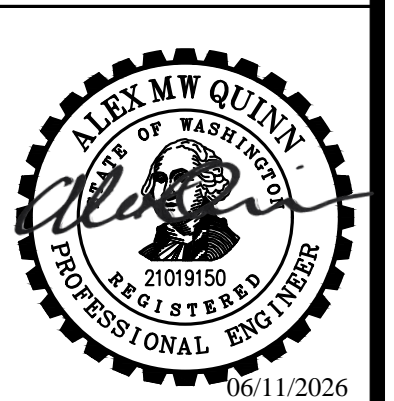
2 PHOTO DETAIL
NTS



3 PHOTO DETAIL
NTS

NOTES:

1. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT OF CONCRETE WALLS UNTIL STRUCTURAL STEEL HAS BEEN FULLY INSTALLED.
2. OVERCUTTING AT CORNERS OF CONCRETE DEMOLITION IS NOT ALLOWED.
3. NOTIFY ENGINEER OF COMPLETION OF DEMOLITION FOR INSPECTION. REINSTALLATION OF THE X-BRACING MAY BE OMITTED BASED ON THE FIELD INVESTIGATION OF THE ENGINEER.
4. THE ENGINEER WILL COMPLETE THE FIELD INSPECTION WITHIN 5 BUSINESS DAYS AND THE CONTRACTOR SHALL BE AVAILABLE TO REINSTALL THE X-BRACING IF NEEDED WITHIN 5 BUSINESS DAYS AFTER THAT.
5. DIMENSIONS SHOWN ON THE STRUCTURAL PLANS ARE BASED ON BEST AVAILABLE INFORMATION AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO STARTING WORK. NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND.



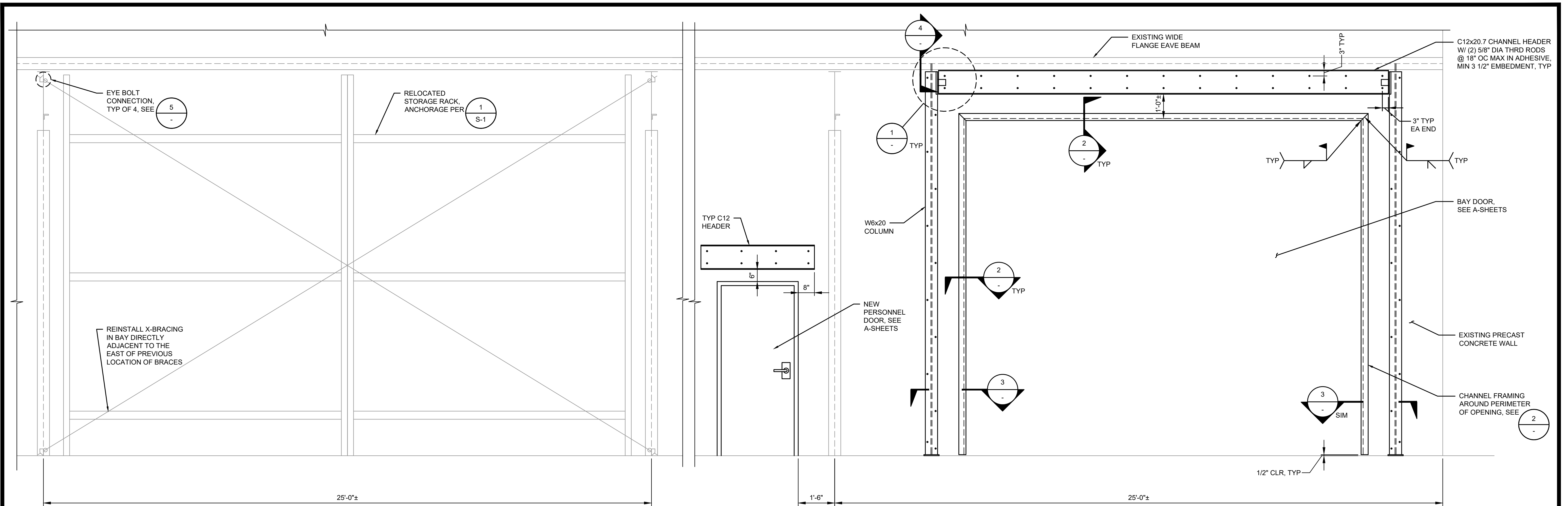
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 BUILDING "B" BAY DOOR REPLACEMENT
DEMOLITION ELEVATION

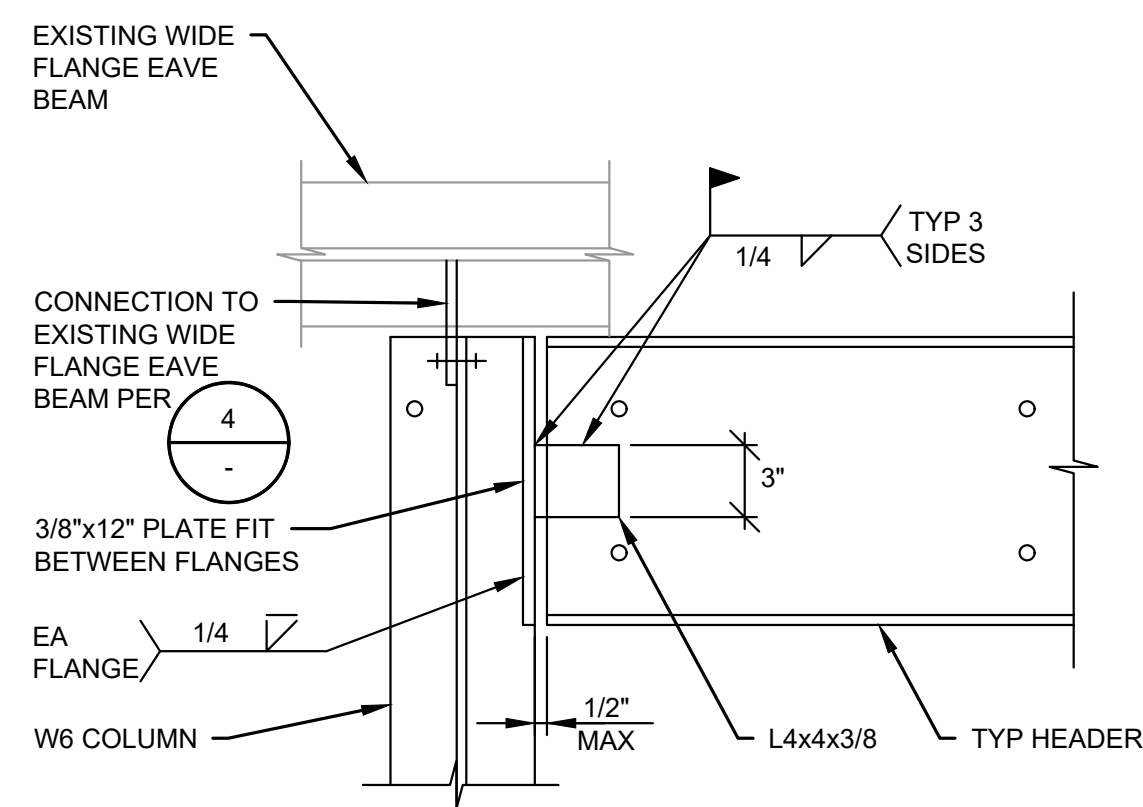


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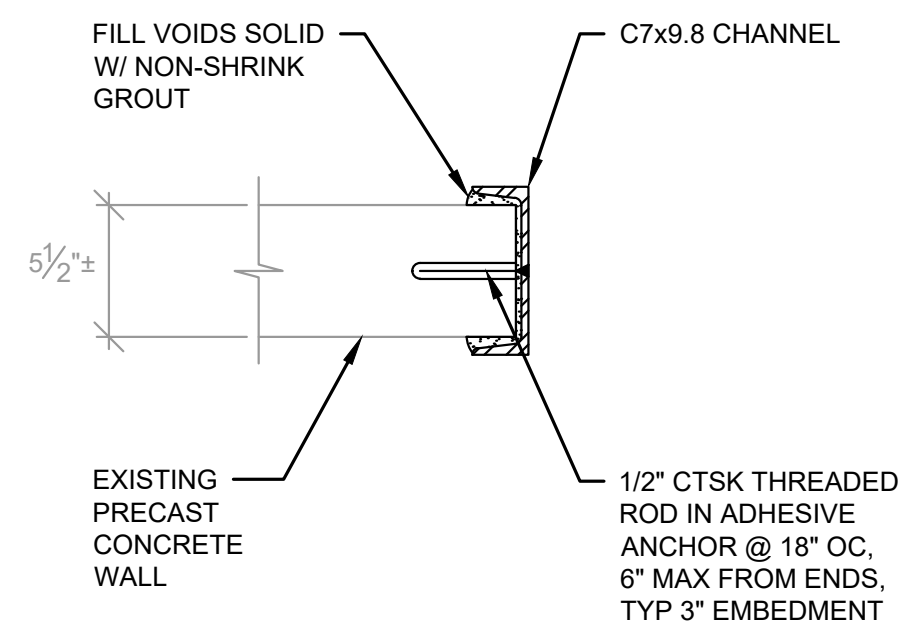
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN INSTALLING ANCHORS IN EXISTING PRESTRESSED SLAB. IN ORDER TO AVOID DAMAGE TO THE EXISTING BANDED TENDONS, THE CONTRACTOR SHALL SCAN FOR REINFORCEMENT PRIOR TO DRILLING. IN THE EVENT TENDONS ARE DAMAGED BY THE CONTRACTOR'S ACTIVITIES, THEY SHALL BE REPAIRED BY METHODS APPROVED BY THE ENGINEER, AT NO COST TO THE DISTRICT.
- DIMENSIONS SHOWN ON THE STRUCTURAL PLANS ARE BASED ON BEST AVAILABLE INFORMATION AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO STARTING WORK. NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND.

NEW BAY DOOR ELEVATION

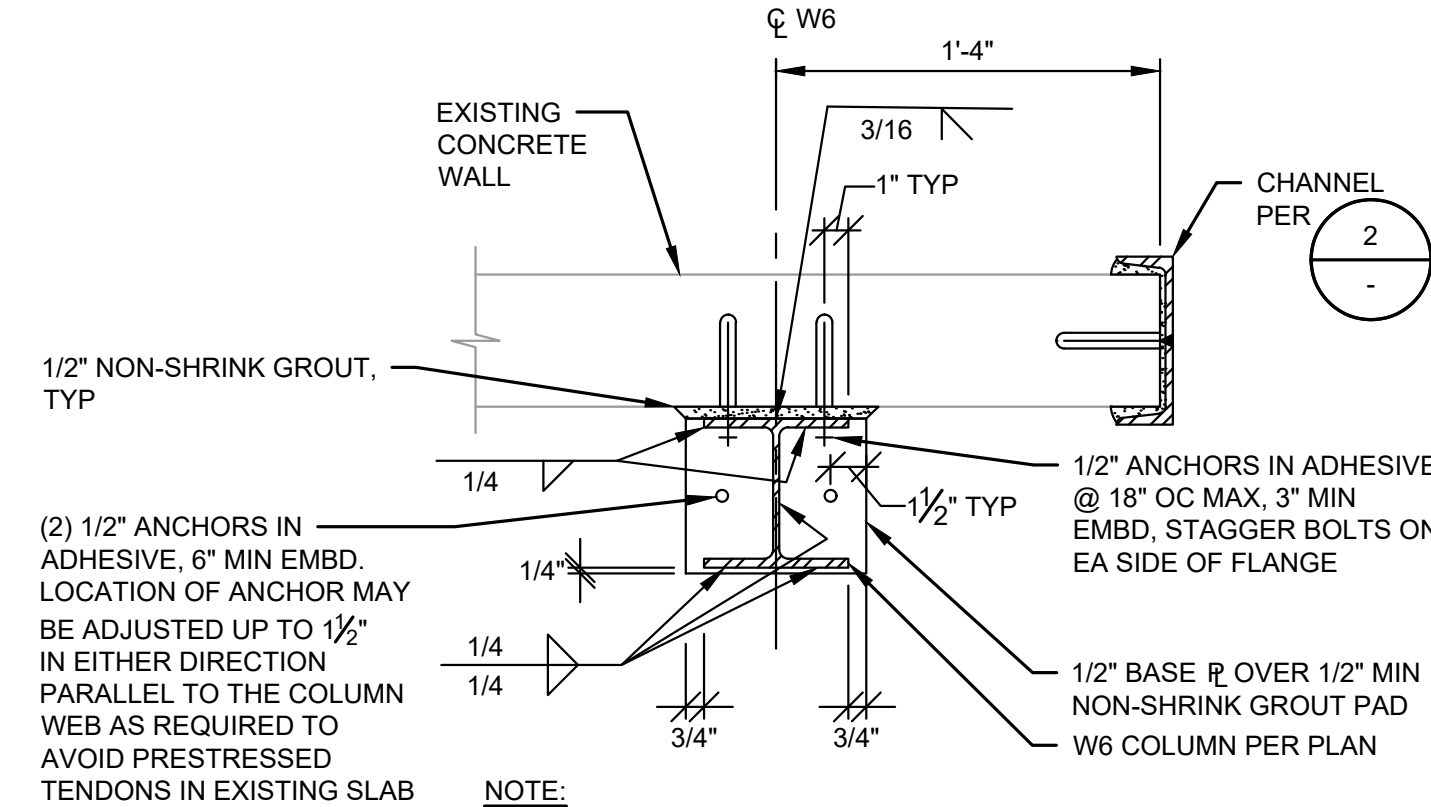
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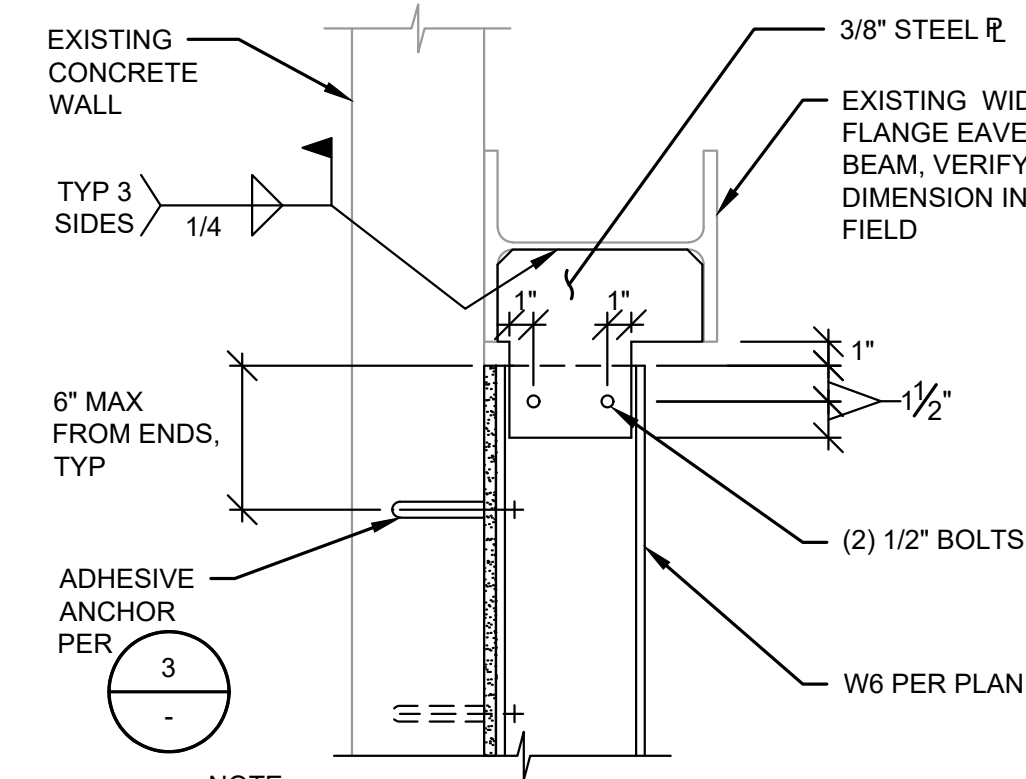
1 DETAIL
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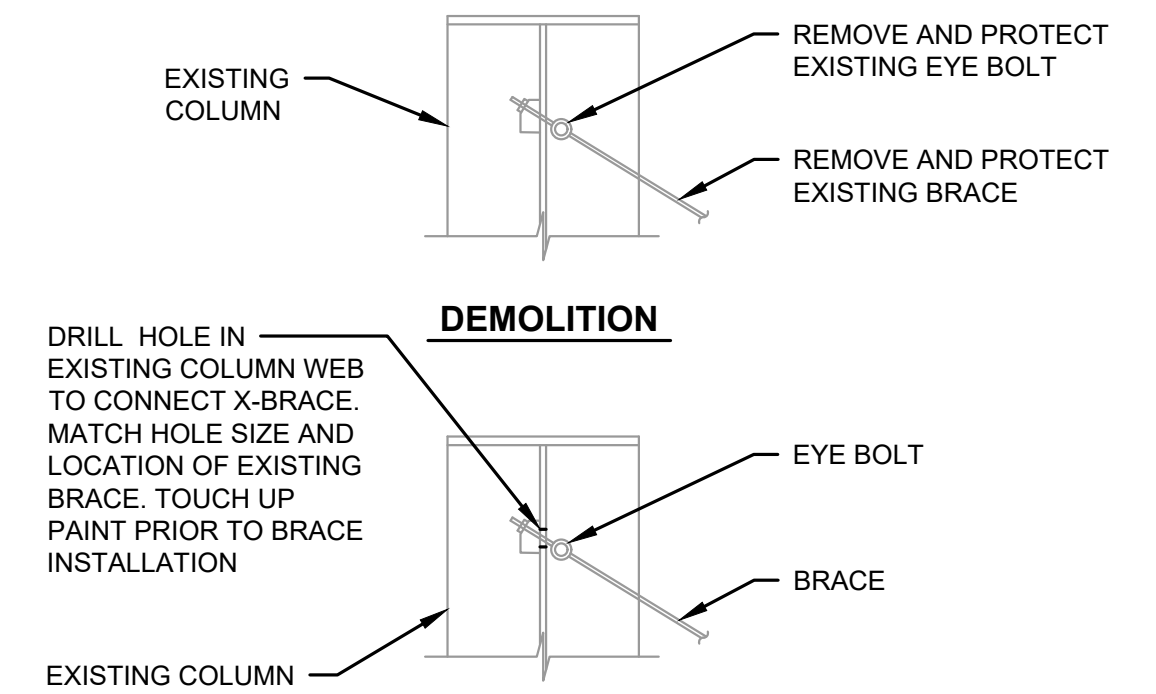
2 SECTION
SCALE: 1 1/2"=1'-0"



3 SECTION
SCALE: 1 1/2"=1'-0"

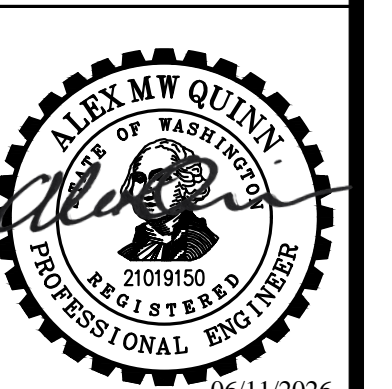


4 SECTION
SCALE: 1 1/2"=1'-0"



NOTES: RE-INSTALLATION

- REINSTALL BRACING IN SAME LOCATION ON STEEL FRAMING AS IT WAS REMOVED FROM.
- FLAME CUTTING HOLES IN EXISTING MEMBERS IS NOT ALLOWED.



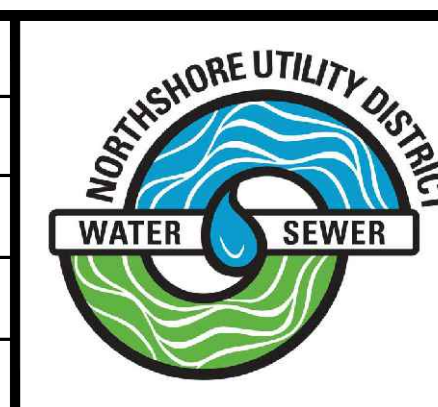
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C2503
BUILDING "B" BAY DOOR REPLACEMENT
**RECONFIGURATION ELEVATION AND
DETAIL**

SHEET
S-4
OF 4

ABBREVIATIONS

A AMPERE (AMP)	FVNR FULL VOLTAGE NON REVERSING	LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT	PMU POWER MONITOR UNIT
AC ALTERNATING CURRENT	FVR FULL VOLTAGE REVERSING	LINE POWER LINE/POWER BLOCK	POT POTENTIOMETER
AF BREAKER FRAME SIZE (IN AMPS)	FY FLOW COMPUTATION	LV LOW VOLTAGE	PVC POLYVINYL CHLORIDE CONDUIT
AI ANALOG INPUT	G GROUND CONDUCTOR	M MAGNETIC CONTACTOR	RGS RIGID GALVANIZED STEEL CONDUIT
AL ALUMINUM	GEC GROUNDING ELECTRODE CONDUCTOR	mA MILLIAMPERES	RVSS REDUCED-VOLTAGE SOFT START
AM AMMETER	GFCI GROUND FAULT CIRCUIT INTERRUPTER	MCC MOTOR CONTROL CENTER	RMC RIGID METALLIC CONDUIT
AO ANALOG OUTPUT	GND GROUND	MCM THOUSAND CIRCULAR MILLS	RNC RIGID NONMETALLIC CONDUIT
AT BREAKER TRIP (SETTING IN AMPS)	H HORN	MCP MOTOR CIRCUIT PROTECTOR	RTU REMOTE TELEMETRY UNIT
ATS AUTOMATIC TRANSFER SWITCH	HA HAND-AUTO	MOV METAL OXIDE VARISTOR	s SECOND
AWG AMERICAN WIRE GAUGE	HIM HUMAN INTERFACE MODULE	MS MOTOR STARTER	SHD SHIELDED
BATT BATTERY	HMI HUMAN MACHINE INTERFACE	MSDS MOTOR SAFETY DISCONNECT SWITCH	SPD SURGE PROTECTION DEVICE
BKR BREAKER	HOA HAND-OFF-AUTO	MTS MANUAL TRANSFER SWITCH	SS STAINLESS STEEL
CP CONTROL PANEL	HOR HAND-OFF-REMOTE	MTU MASTER TELEMETRY UNIT	SUSE SUITABLE FOR USE AS A SERVICE ENTRANCE
CPT CONTROL POWER TRANSFORMER	HP HORSEPOWER	mV MILLIVOLT	TB TERMINAL BLOCK
CST CONTROL STATION	IC INTERRUPTING CAPACITY	MW MEGAWATT	TDAD TIME DELAY AFTER DE-ENERGIZATION
CT CURRENT TRANSFORMER	JCXXX JUNCTION BOX, CONTROL	N NEUTRAL CONDUCTOR	TDAE TIME DELAY AFTER ENERGIZATION
CU COPPER	JPXXX JUNCTION BOX, POWER	NEC NATIONAL ELECTRICAL CODE	TQS TORQUE SWITCH
DC DIRECT CURRENT	JSXXX JUNCTION BOX, SIGNAL	NEMA NATIONAL ELECTRIC MANUFACTURERS ASSOC.	TP/TSP TWISTED PAIR/TWISTED SHIELDED PAIR
DI DISCRETE INPUT	KA KILOAMPERES	NESC NATIONAL ELECTRICAL SAFETY CODE	TST/TT TWISTED SHIELDED TRIAD/TWISTED TRIAD
DIST DISTRIBUTION	KAIC KILOAMPERES-INTERRUPTING CAPACITY	NFPA NATIONAL FIRE PROTECTION AGENCY	T/M THERMAL MAGNETIC
DO DISCRETE OUTPUT	KCM THOUSAND CIRCULAR MILLS	OCPPD OVERCURRENT PROTECTION DEVICE	UPS UNINTERRUPTIBLE POWER SUPPLY
DTWV DISCHARGE-TO-WASTE VALVE	KV KILOVOLT	OE OVERHEAD ELECTRIC	V VOLT
EIOM EXTENDED I/O MODULE	kVA KILOVOLT-AMPERE	OIU OPERATOR INTERFACE UNIT	VA VOLT-AMPERE
ETC ELAPSED TIME/COUNTER METER	kVAh KILOVOLT-AMPERE HOUR	OL OVERLOAD, THERMAL	VFD VARIABLE FREQUENCY DRIVE
ETM ELAPSED TIME METER	KVAR KILOVAR (REACTIVE KILOVOLT-AMPERE)	OLR OVERLOAD RELAY	VMR VOLTAGE MONITORING RELAY
ENCL ENCLOSURE	KVARh KILOVAR-HOUR	P POLE	W WATT
EXIST EXISTING	kW KILOWATT	PF POWER FACTOR	WAN WIDE AREA NETWORK
FDR FEEDER	kWh KILOWATT-HOUR	PH PHASE	Wh WATT-HOUR
FLA FULL LOAD AMPS	LA LIGHTNING ARRESTOR	PLC PROGRAMMABLE LOGIC CONTROL	WP WEATHER PROOF
FUSE FUSE	LAN LOCAL AREA NETWORK	PMR PHASE MONITOR RELAY	XFMR POWER TRANSFORMER

GENERAL ELECTRICAL NOTES:

SITE AND BUILDING PLANS:

- CONDUIT ROUTING IS SHOWN FOR CLARITY. ACTUAL ROUTING MAY BE MORE DIRECT AND IS LEFT TO THE CONTRACTOR. NON-ELECTRICAL BURIED PIPING HAS ROUTING PRIORITY OVER ELECTRICAL BURIALS.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO PROTECT EXISTING UTILITIES.
- THROUGHOUT THIS DOCUMENT, THE TERMS "DEMOL" AND "DEMOLISH" MEAN TO REMOVE, THEN WASTEHAUL OR RETURN TO THE OWNER, PER THE OWNER'S DIRECTION.
- THROUGHOUT THIS DOCUMENT, THE TERMS "PROVIDE" AND "INSTALL" MEAN TO PROVIDE AND INSTALL.

INDOOR INSTALLATIONS:

- ALL EXPOSED PORTIONS OF CONDUITS FROM UNDERGROUND SHALL BE RGS. ALL OVERHEAD CONDUITS SHALL BE EMT.

OUTDOOR INSTALLATIONS:

- ALL MOUNTING FASTENERS (NUTS, BOLTS SCREWS, WASHERS, ETC.) SHALL BE 316 STAINLESS STEEL.
- ALL MOUNTING BRACKETS AND BRACING SHALL BE 316L STAINLESS STEEL.
- ALL EXPOSED PORTIONS OF CONDUITS SHALL BE RGS UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONSTRUCTION PRIORITY SHALL BE TO ENTER THE BOTTOM OF ENCLOSURES. ALL CONNECTION INTO ENCLOSURES SHALL BE WATERTIGHT. WHERE SIDE OR TOP ENTRY IS USED CONNECTIONS SHALL BE MADE USING MYERS-TYPE HUBS.

GENERAL NOTES:

- ALL J-BOXES SHALL BE 4X4 MIN. INTERIOR SHALL BE NEMA TYPE 1 MIN, EXTERIOR SHALL BE NEMA 3R CAST.

ELECTRICAL WORK SUMMARY:

THIS SUMMARY OF ELECTRICAL WORK IS INCLUDED AS A COURTESY AND IS INTENDED TO PROVIDE A GENERAL UNDERSTANDING OF ELECTRICAL DESIGN INTENT AND MAJOR ELECTRICAL CONSTRUCTION TASKS. IT IS NOT PROVIDED AS A COMPLETE LIST OF WORK AND SHALL NOT BE USED FOR BIDDING PURPOSES. REFER TO ALL PLANS AND SPECIFICATIONS.

- EXISTING GARAGE DOOR IS BEING REPLACED WITH A LARGER DOOR. THIS REQUIRES RELOCATION AND/OR REPLACEMENT OF GARAGE DOOR OPENER, CONTROLS, AND SECURITY EQUIPMENT. ADDITIONALLY, IT REQUIRES THE RELOCATION OF A PERSONNEL DOOR AND THE SECURITY HARDWARE ASSOCIATED WITH IT. NO SIGNIFICANT NEW ELECTRICAL EQUIPMENT IS BEING ADDED.

SYMBOL LEGEND

ONE LINE SYMBOLS		ELEMENTARY WIRING DIAGRAM SYMBOLS	
	CAPACITOR		CONNECTION POINT
	REACTOR/CHOKE		TERMINAL POINT
	CIRCUIT BREAKER, MAGNETIC ONLY CIRCUIT BREAKER, THERMAL-MAGNETIC		SCREW TERMINAL
	CONNECTION POINT		MOUNTED ON OUTER DOOR
	CONTACTOR		MOUNTED ON INNER DOOR
	CURRENT TRANSFORMER		LOCKABLE DEVICE
	FUSE		NC CONTACT
	FUSIBLE DISCONNECT		NC CONTACTOR
	ANALOG AMMETER		NO CONTACT
	THERMAL OVERLOAD RELAY		NO CONTACTOR
	GROUND EQUIPMENT/CHASSIS		SOLID STATE CONTACTOR
	SOLID NEUTRAL		ALTERNATING RELAY
	TRANSFORMER		CONTROL RELAY
	CONDUIT DOWN		CONTACTOR
	CONDUIT UP		"BYPASS" CONTACTOR
	CONDUIT STUB UP/END CAP		"ISOLATION" CONTACTOR
	DISCONNECT SWITCH		SOLID STATE CONTACT RELAY
	FUSED DISCONNECT SWITCH		MOTOR RELAY
	COMMUNICATION OUTLET		TIME DELAY RELAY (TDAE)
	TELEPHONE OUTLET		TIME DELAY RELAY (TDAD)
	SPECIAL OUTLET		LIGHT FIXTURE
	SIMPLEX RECEPTACLE		"PUSH TO TEST" LED PILOT LIGHT
	DUPLEX RECEPTACLE		FUSED SWITCH W/ LED
	DUPLEX RECEPTACLE (HIDDEN)		TDAE, N.O., TIME DELAY CLOSE, INSTANTANEOUS RE-OPEN
	QUAD RECEPTACLE		TDAE, N.C., TIME DELAY OPEN, INSTANTANEOUS RE-CLOSE
	QUAD RECEPTACLE (HIDDEN)		TDAD, N.O., INSTANTANEOUS CLOSE, TIME DELAY RE-OPEN
	FLOOR MOUNTED RECEPTACLE		TDAD, N.C., INSTANTANEOUS OPEN, TIME DELAY RE-CLOSE
	LED LIGHT POLES		HAND-OFF-AUTO SWITCHES
	SINGLE DUAL		ON-OFF-RESET SWITCH
	#12 AWG GROUND CONDUCTOR #12 AWG NEUTRAL CONDUCTOR #12 AWG BRANCH CONDUCTOR		SELECTOR SWITCHES
	CROSSMARKS INDICATE QUANTITY AND USE OF CONDUCTORS		

KEYED NOTES

	REFERENCE SHEET C-3. CURB (LEFT) WILL BE MODIFIED BUT SECURITY STAND AND EQUIPMENT TO REMAIN IN PLACE AS FOUND. FIELD LOCATE CONDUIT AS NECESSARY TO ENSURE CONDUIT IS NOT DAMAGED. DESIGN EXPECTATION IS THAT DEPTH OF COVER IS AT LEAST ONE FOOT DEEPER THAN THE EXTENT OF EXPECTATIONS FOR SURFACE CHANGES.
	RELOCATE CARD READER. RECONNECT TO INTERIOR SYSTEMS, DOOR STRIKE, AND FRAME INTRUSION (MAGNETIC)
	EMPTY BOX TO BE DEMOLISHED. PATCH PENETRATION IF NOT WITHIN THE LIMITS OF STRUCTURAL MODIFICATION.
	NEW GARAGE OPENER IS 1/2HP, 120V WHICH MATCHES THE EXISTING INSTALLATION. FIELD IDENTIFY FEEDING CIRCUIT AND LABEL AT THE PANELBOARD. POWER CONDUCTORS MAY BE REUSED AS FOUND. CONDUIT AND WIRE TO SENSORS AND INDOOR MANUAL CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER. ADDITIONAL AFTER MARKET DEFEAT SWITCH, BASED ON MOTION DETECTION, WAS ADDED BY OWNER. AUDIT CURRENT INSTALLATION AND REMAKE CONNECTIONS TO MAINTAIN EXISTING FUNCTIONALITY IN NEW INSTALLATION.
	EXISTING DISCONNECT SWITCH SHALL BE REUSED AS FOUND.
	DEMOLISH DOOR INTRUSION SWITCH, DEDICATED CONDUIT, AND ASSOCIATED CONNECTION TO SECURITY PAD. THIS FUNCTIONALITY WILL NOT BE REPLACED AS PART OF THE NEW DOOR INSTALLATION.
	DEMOLISH UNUSED DISCONNECT FOR PREVIOUSLY DEMOLISHED HEATER. DEMOLISH CONDUIT TO 10' ABOVE SLAB, MIN. CAP ENDS OF CONDUCTORS AND LEAVE IN NEW J-BOX. TONE CONDUCTORS BACK TO SERVING PANELBOARD. ENSURE BREAKER IS OFF, LABEL NEW J-BOX WITH SERVING PANELBOARD NAME AND CIRCUIT NUMBER.
	REFERENCE SHEET A-3. RELOCATE RECEPTACLE AND FIRE PULL TO RIGHT. ORIENTATION LEFT TO CONTRACTOR, FIRE PULL SHALL BE AT COMPRABLE ELEVATION ABOVE SLAB. ASSUME NEW CONDUIT FROM CEILING TO BOXES, REUSE OF WIRE. IF EXISTING CONDUCTORS ARE INSUFFICIENT LENGTH SPLICING IN NEW J-BOX, HIGH ON WALL, SHALL BE ALLOWED. RECEPTACLE IS POWERED FROM PANELBOARD 2B1-1, CIRCUIT 8.
	DOOR SENSOR TO BE DEMOLISHED (UNUSED) CONDUIT CLOSEST TO THE EXISTING DOOR FRAME WILL NOT BE REPLACED ONCE NEW CONNECTIONS ARE MADE.
	SECURITY PAD IS POWERED OVER AN ETHERNET CABLE RUNNING THROUGH THE PATH SHOWN. THIS ETHERNET CABLE SHALL NOT BE SPLICED. EXTREME CARE SHALL BE TAKEN TO DEMOLISH THE EXISTING CONDUIT PATH WHILE SALVAGING THE CABLE TO THE ROOF LINE. REROUTE THROUGH NEW, RELOCATED, CONDUIT PATH.
	RELOCATE EXIT SIGN TO ABOVE NEW DOOR. DEMOLISH CONDUITS THAT ARE NOT NEEDED AFTER THE RELOCATION. ASSUME NEW CONDUIT FROM CEILING TO FIXTURE. REUSE OF WIRE. IF EXISTING CONDUCTORS ARE INSUFFICIENT LENGTH SPLICING IN NEW J-BOX, HIGH ON WALL, SHALL BE ALLOWED.
	RELOCATE EXHAUST FAN ON/OFF SWITCH (FAN IS ROOF MOUNTED). EXACT LOCATION TO BE FIELD DETERMINED WITH OWNER AFTER STRUCTURAL MODIFICATIONS AND LAYOUT OF SECURITY EQUIPMENT WHICH TAKES PRIORITY.
	REFERENCE SHEET S-3. AUDIT FUNCTION OF EXISTING RUN AND REPLACE AFTER STRUCTURAL CHANGES. CENTRAL J-BOX IS ASSOCIATED WITH UNUSED PENETRATION.
	EXCEPT FOR GARAGE DOOR MOTOR AND CONTROLS, NEW/RELOCATED DEVICES SHALL BE REROUTED TO THE LEFT SIDE OF THE STRUCTURAL PARTITION.

GENERAL SYMBOLS

	CONDUIT
	TAG LABEL
	GFCI PANELBOARD CIRCUIT
	AREA ID TAG
	DEMOLITION (DEMO)
	INTRINSICALLY SAFE AREA
	CLEARANCE AREA

LINETYPES

	EXPOSED CONDUIT
	UNDERGROUND (BURIED) CONDUIT
	GROUNDING ELECTRODE CONDUCTORS
	EMBEDDED CONDUIT (WALLS, CONCRETE, ETC.)

NOTE: UNLESS NOTED OTHERWISE.

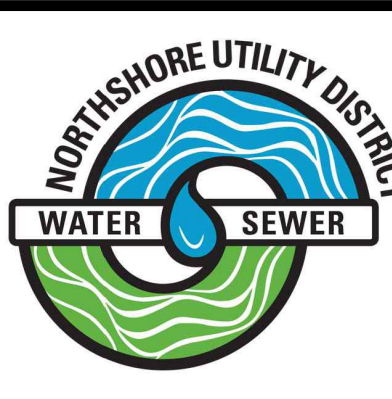
NOTE: THIS IS A GENERAL LEDGER SHEET. ALL SYMBOLS MAY NOT APPLY.

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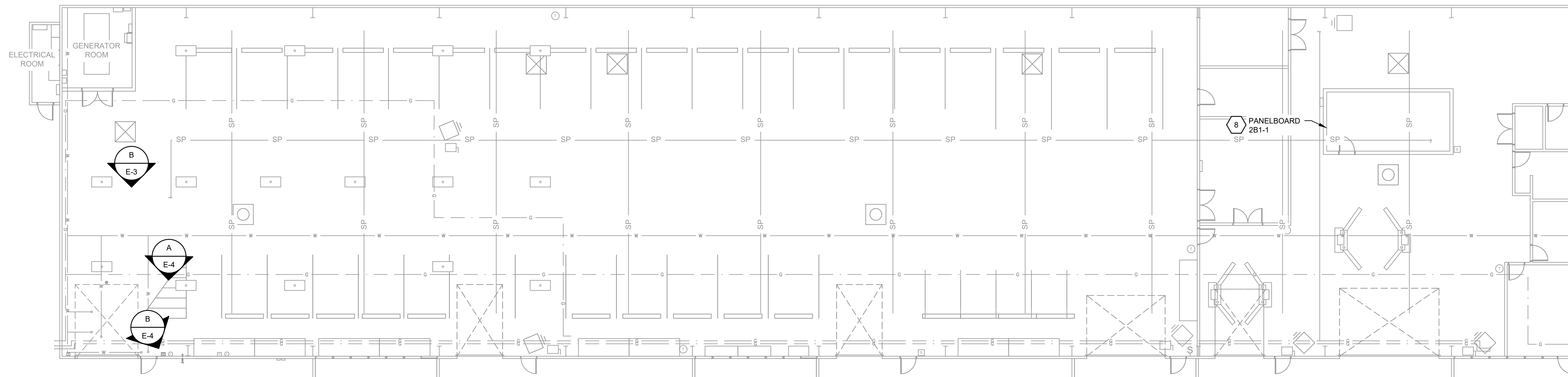
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BUILDING "B" BAY DOOR REPLACEMENT

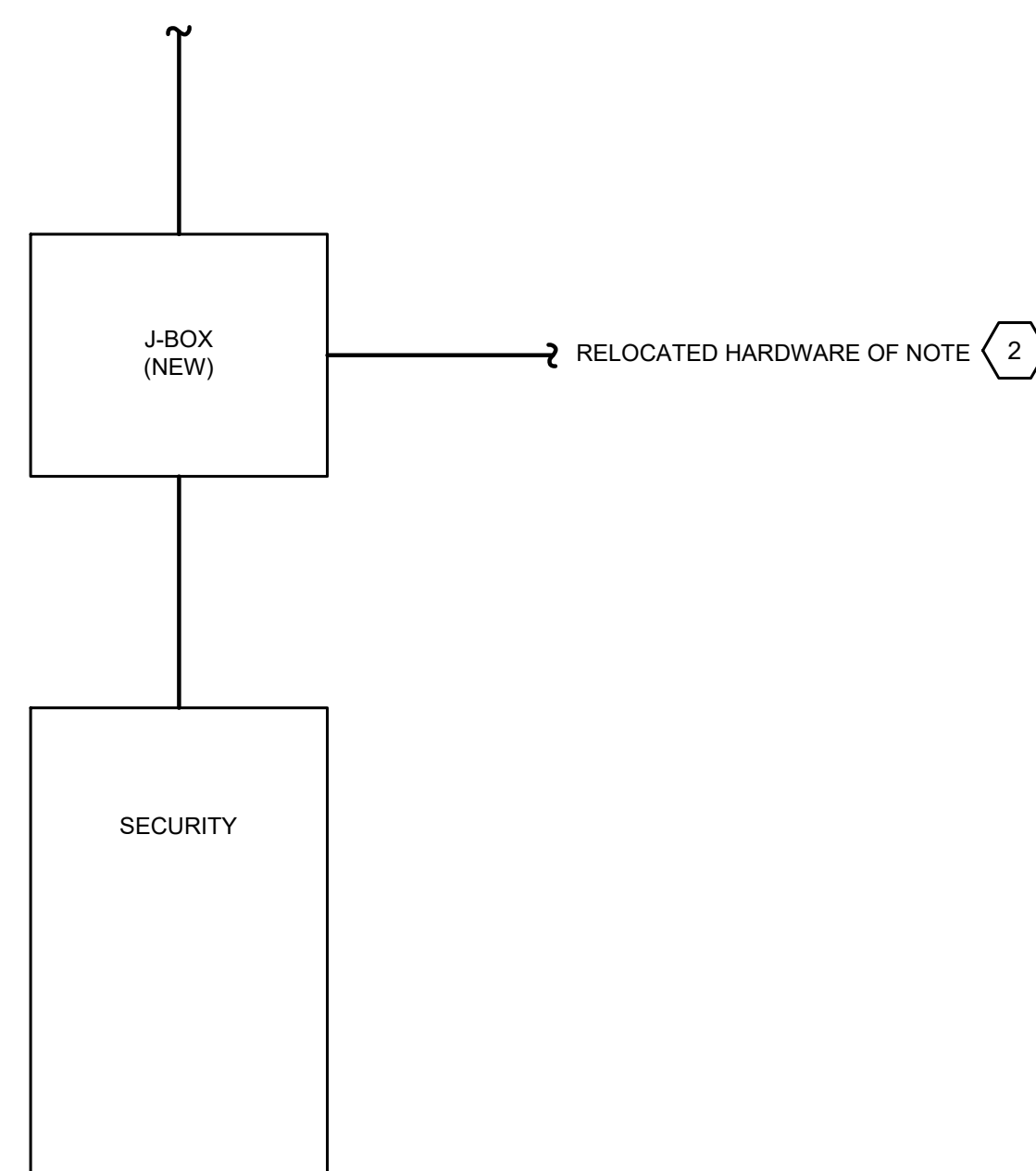
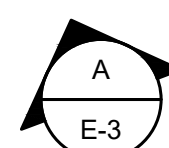
ELECTRICAL SYMBOLS AND ABBREVIATIONS



SHEET
E-1
OF 5



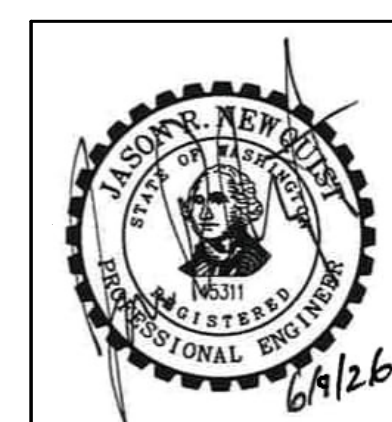
1 **EXISTING BUILDING ELECTRICAL PLAN**
SCALE: 3/32" = 1'-0"



2 **MODIFIED CONNECTION DIAGRAM**
NOT TO SCALE

KEYED NOTES

- 1 = REFERENCE SHEET C-3. CURB (LEFT) WILL BE MODIFIED BUT SECURITY STAND AND EQUIPMENT TO REMAIN IN PLACE AS FOUND. FIELD LOCATE CONDUIT AS NECESSARY TO ENSURE CONDUIT IS NOT DAMAGED. DESIGN EXPECTATION IS THAT DEPTH OF COVER IS AT LEAST ONE FOOT DEEPER THAN THE EXTENT OF EXPECTATIONS FOR SURFACE CHANGES.
- 2 = RELOCATE CARD READER. RECONNECT TO INTERIOR SYSTEMS, DOOR STRIKE, AND FRAME INTRUSION (MAGNETIC)
- 3 = EMPTY BOX TO BE DEMOLISHED. PATCH PENETRATION IF NOT WITHIN THE LIMITS OF STRUCTURAL MODIFICATION.
- 4 = NEW GARAGE OPENER IS 1/2HP, 120V WHICH MATCHES THE EXISTING INSTALLATION. FIELD IDENTIFY FEEDING CIRCUIT AND LABEL AT THE PANELBOARD. POWER CONDUCTORS MAY BE REUSED AS FOUND. CONDUIT AND WIRE TO SENSORS AND INDOOR MANUAL CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER. ADDITIONAL AFTER MARKET DEFEAT SWITCH, BASED ON MOTION DETECTION, WAS ADDED BY OWNER. AUDIT CURRENT INSTALLATION AND REMAKE CONNECTIONS TO MAINTAIN EXISTING FUNCTIONALITY IN NEW INSTALLATION.
- 5 = EXISTING DISCONNECT SWITCH SHALL BE REUSED AS FOUND.
- 6 = DEMOLISH DOOR INTRUSION SWITCH, DEDICATED CONDUIT, AND ASSOCIATED CONNECTION TO SECURITY PAD. THIS FUNCTIONALITY WILL NOT BE REPLACED AS PART OF THE NEW DOOR INSTALLATION.
- 7 = DEMOLISH UNUSED DISCONNECT FOR PREVIOUSLY DEMOLISHED HEATER. DEMOLISH CONDUIT TO 10' ABOVE SLAB, MIN. CAP ENDS OF CONDUCTORS AND LEAVE IN NEW J-BOX. TONE CONDUCTORS BACK TO SERVING PANELBOARD. ENSURE BREAKER IS OFF, LABEL NEW J-BOX WITH SERVING PANELBOARD NAME AND CIRCUIT NUMBER.
- 8 = REFERENCE SHEET A-3. RELOCATE RECEPTACLE AND FIRE PULL TO RIGHT. ORIENTATION LEFT TO CONTRACTOR, FIRE PULL SHALL BE AT COMPRABLE ELEVATION ABOVE SLAB. ASSUME NEW CONDUIT FROM CEILING TO BOXES, REUSE OF WIRE. IF EXISTING CONDUCTORS ARE INSUFFICIENT LENGTH SPLICING IN NEW J-BOX, HIGH ON WALL, SHALL BE ALLOWED. RECEPTACLE IS POWERED FROM PANELBOARD 2B1-1, CIRCUIT 8.
- 9 = DOOR SENSOR TO BE DEMOLISHED (UNUSED) CONDUIT CLOSEST TO THE EXISTING DOOR FRAME WILL NOT BE REPLACED ONCE NEW CONNECTIONS ARE MADE.
- 10 = SECURITY PAD IS POWERED OVER AN ETHERNET CABLE RUNNING THROUGH THE PATH SHOWN. THIS ETHERNET CABLE SHALL NOT BE SPLICED. EXTREME CARE SHALL BE TAKEN TO DEMOLISH THE EXISTING CONDUIT PATH WHILE SALVAGING THE CABLE TO THE ROOF LINE. REROUTE THROUGH NEW, RELOCATED, CONDUIT PATH.
- 11 = RELOCATE EXIT SIGN TO ABOVE NEW DOOR. DEMOLISH CONDUITS THAT ARE NOT NEEDED AFTER THE RELOCATION. ASSUME NEW CONDUIT FROM CEILING TO FIXTURE, REUSE OF WIRE. IF EXISTING CONDUCTORS ARE INSUFFICIENT LENGTH SPLICING IN NEW J-BOX, HIGH ON WALL, SHALL BE ALLOWED.
- 12 = RELOCATE EXHAUST FAN ON/OFF SWITCH (FAN IS ROOF MOUNTED). EXACT LOCATION TO BE FIELD DETERMINED WITH OWNER AFTER STRUCTURAL MODIFICATIONS AND LAYOUT OF SECURITY EQUIPMENT WHICH TAKES PRIORITY.
- 13 = REFERENCE SHEET S-3. AUDIT FUNCTION OF EXSITING RUN AND REPLACE AFTER STRUCTURAL CHANGES. CENTRAL J-BOX IS ASSOCIATED WITH UNUSED PENETRATION.
- 14 = EXCEPT FOR GARAGE DOOR MOTOR AND CONTROLS, NEW/RELOCATED DEVICES SHALL BE REROUTED TO THE LEFT SIDE OF THE STRUCTURAL PARTITION.



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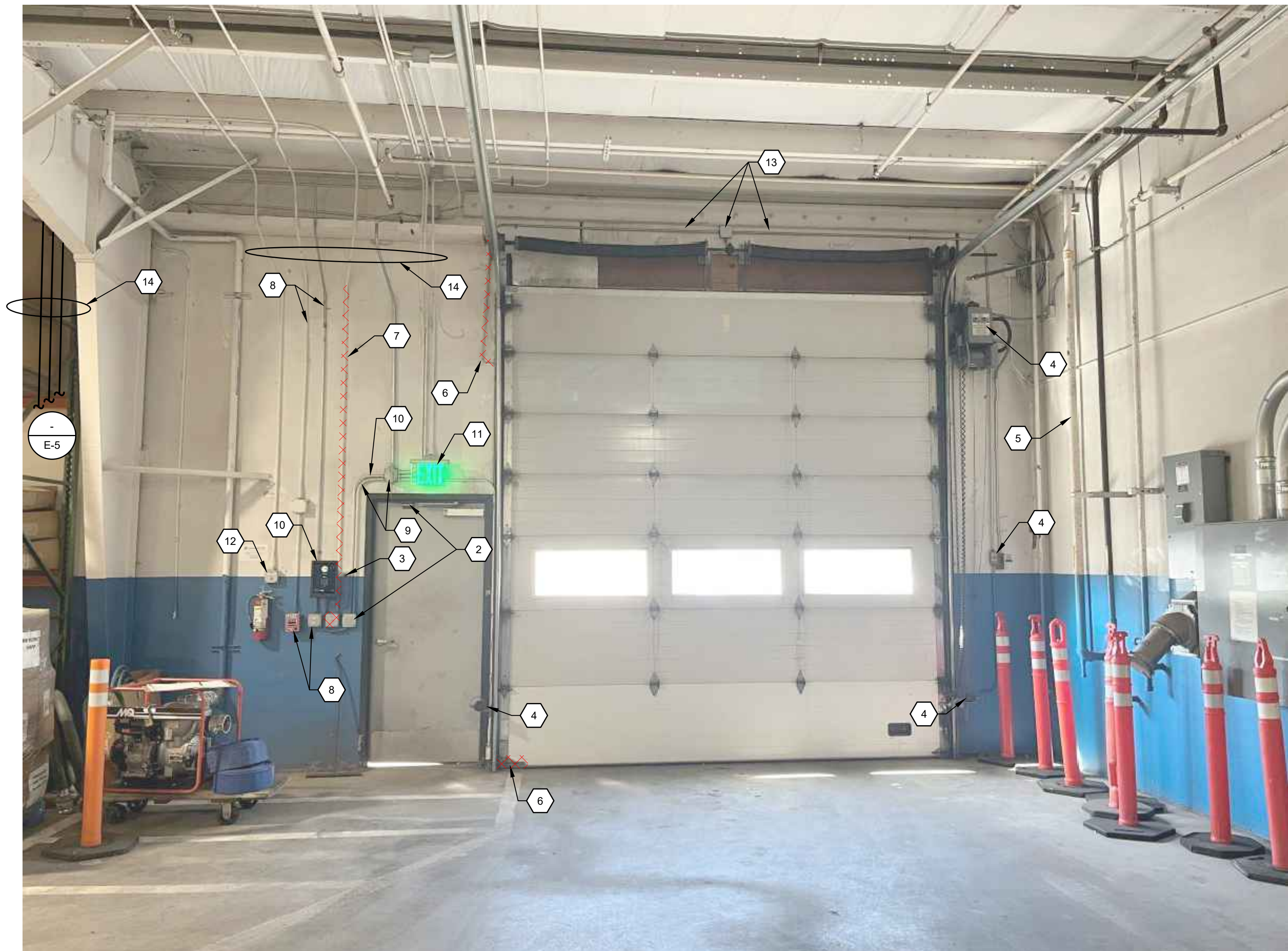
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C2503
BUILDING "B" BAY DOOR REPLACEMENT

**EXISTING BUILDING ELECTRICAL PLAN AND
MODIFIED CONNECTION DIAGRAM**

SHEET
E-2
OF 5

KEYED NOTES	
1	REFERENCE SHEET C-3. CURB (LEFT) WILL BE MODIFIED BUT SECURITY STAND AND EQUIPMENT TO REMAIN IN PLACE AS FOUND. FIELD LOCATE CONDUIT AS NECESSARY TO ENSURE CONDUIT IS NOT DAMAGED. DESIGN EXPECTATION IS THAT DEPTH OF COVER IS AT LEAST ONE FOOT DEEPER THAN THE EXTENT OF EXPECTATIONS FOR SURFACE CHANGES.
2	RELOCATE CARD READER, RECONNECT TO INTERIOR SYSTEMS, DOOR STRIKE, AND FRAME INTRUSION (MAGNETIC)
3	EMPTY BOX TO BE DEMOLISHED. PATCH PENETRATION IF NOT WITHIN THE LIMITS OF STRUCTURAL MODIFICATION.
4	NEW GARAGE OPENER IS 1/2HP, 120V WHICH MATCHES THE EXISTING INSTALLATION. FIELD IDENTIFY FEEDING CIRCUIT AND LABEL AT THE PANELBOARD. POWER CONDUCTORS MAY BE REUSED AS FOUND. CONDUIT AND WIRE TO SENSORS AND INDOOR MANUAL CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER. ADDITIONAL AFTER MARKET DEFEAT SWITCH, BASED ON MOTION DETECTION, WAS ADDED BY OWNER. AUDIT CURRENT INSTALLATION AND REMAKE CONNECTIONS TO MAINTAIN EXISTING FUNCTIONALITY IN NEW INSTALLATION.
5	EXISTING DISCONNECT SWITCH SHALL BE REUSED AS FOUND.
6	DEMOLISH DOOR INTRUSION SWITCH, DEDICATED CONDUIT, AND ASSOCIATED CONNECTION TO SECURITY PAD. THIS FUNCTIONALITY WILL NOT BE REPLACED AS PART OF THE NEW DOOR INSTALLATION.
7	DEMOLISH UNUSED DISCONNECT FOR PREVIOUSLY DEMOLISHED HEATER. DEMOLISH CONDUIT TO 10' ABOVE SLAB, MIN. CAP ENDS OF CONDUCTORS AND LEAVE IN NEW J-BOX. TONE CONDUCTORS BACK TO SERVING PANELBOARD. ENSURE BREAKER IS OFF, LABEL NEW J-BOX WITH SERVING PANELBOARD NAME AND CIRCUIT NUMBER.
8	REFERENCE SHEET A-3. RELOCATE RECEPTACLE AND FIRE PULL TO RIGHT. ORIENTATION LEFT TO CONTRACTOR, FIRE PULL SHALL BE AT COMPRABLE ELEVATION ABOVE SLAB. ASSUME NEW CONDUIT FROM CEILING TO BOXES. REUSE OF WIRE. IF EXISTING CONDUCTORS ARE INSUFFICIENT LENGTH SPLICING IN NEW J-BOX, HIGH ON WALL, SHALL BE ALLOWED. RECEPTACLE IS POWERED FROM PANELBOARD 2B1-1, CIRCUIT 8.
9	DOOR SENSOR TO BE DEMOLISHED (UNUSED) CONDUIT CLOSEST TO THE EXISTING DOOR FRAME WILL NOT BE REPLACED ONCE NEW CONNECTIONS ARE MADE.
10	SECURITY PAD IS POWERED OVER AN ETHERNET CABLE RUNNING THROUGH THE PATH SHOWN. THIS ETHERNET CABLE SHALL NOT BE SPLICED. EXTREME CARE SHALL BE TAKEN TO DEMOLISH THE EXISTING CONDUIT PATH WHILE SALVAGING THE CABLE TO THE ROOF LINE. REROUTE THROUGH NEW, RELOCATED, CONDUIT PATH.
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13	REFERENCE SHEET S-3. AUDIT FUNCTION OF EXSITING RUN AND REPLACE AFTER STRUCTURAL CHANGES. CENTRAL J-BOX IS ASSOCIATED WITH UNUSED PENETRATION.
14	EXCEPT FOR GARAGE DOOR MOTOR AND CONTROLS, NEW/RELOCATED DEVICES SHALL BE REROUTED TO THE LEFT SIDE OF THE STRUCTURAL PARTITION.



B
-
BAY DOOR INTERIOR PHOTO DETAIL
NOT TO SCALE



A
-
BAY DOOR EXTERIOR PHOTO DETAIL
NOT TO SCALE

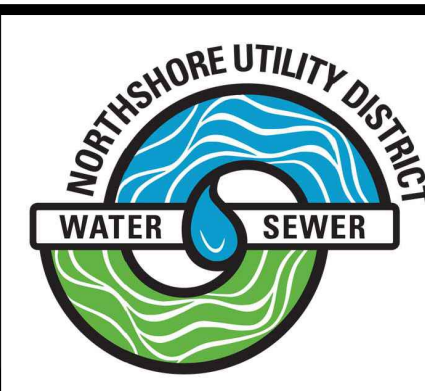


NO	BY	APPD	REVISION	DATE

WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



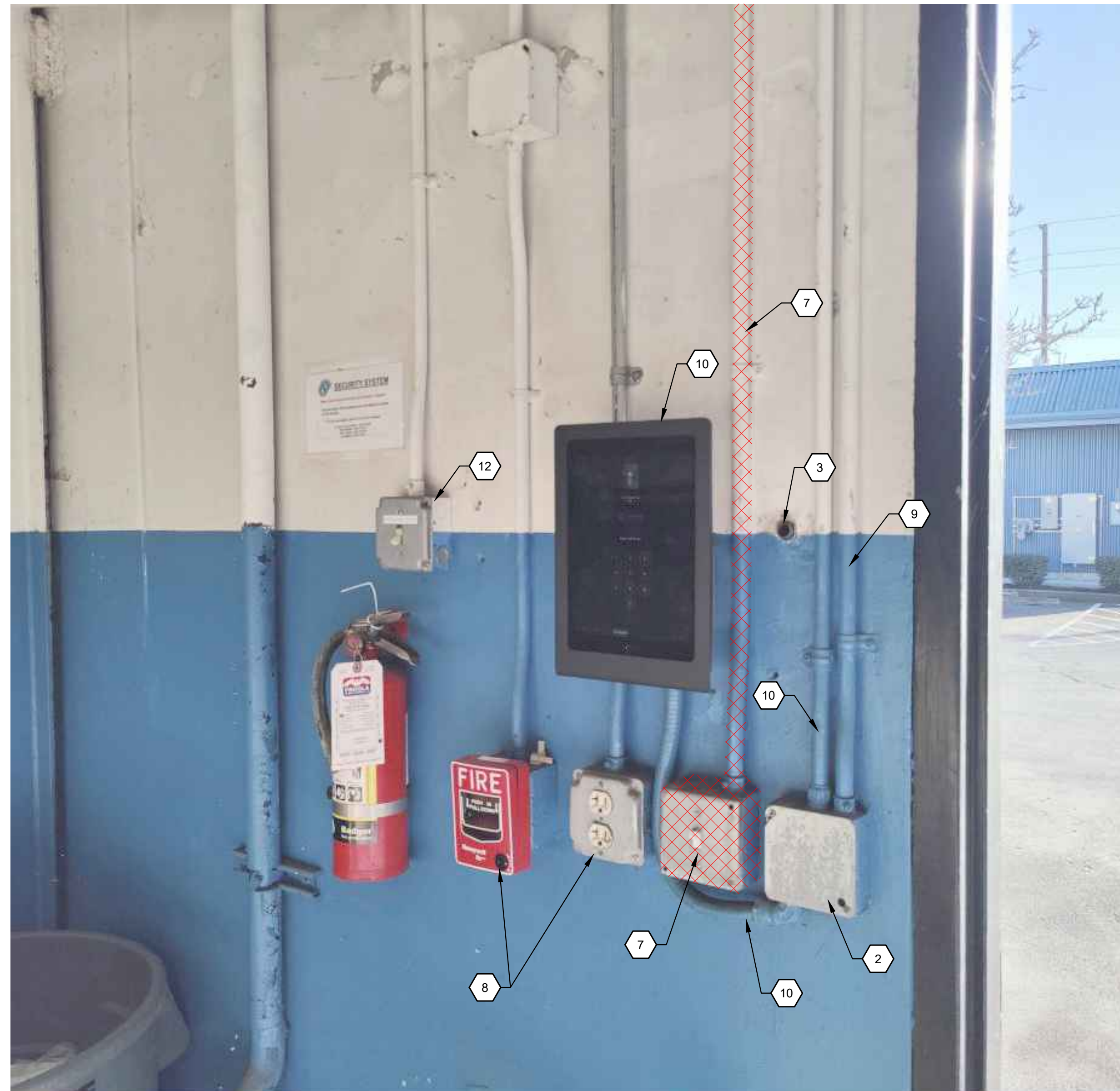
DESIGNED BY	PAM
DRAWN BY	DCK
CHECKED BY	PAM
APPROVAL	JRN
DATE	JUNE 2026



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C2503
BUILDING "B" BAY DOOR REPLACEMENT
BAY DOOR EXTERIOR AND INTERIOR DETAIL PHOTOS

SHEET
E-3
OF 5



B ELECTRICAL EQUIPMENT AND CONDUITS DETAIL PHOTO
NOT TO SCALE

A BAY DOOR WALL
ELECTRICAL EQUIPMENT AND CONDUITS PHOTO DETAIL
NOT TO SCALE

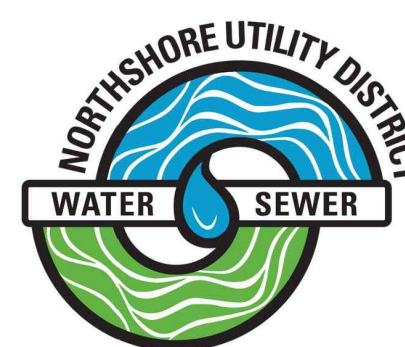
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2	= RELOCATE CARD READER. RECONNECT TO INTERIOR SYSTEMS, DOOR STRIKE, AND FRAME INTRUSION (MAGNETIC)
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NO	BY	APPD	REVISION	DATE

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DESIGNED BY	PAM
DRAWN BY	DCK
CHECKED BY	PAM
APPROVAL	JRN
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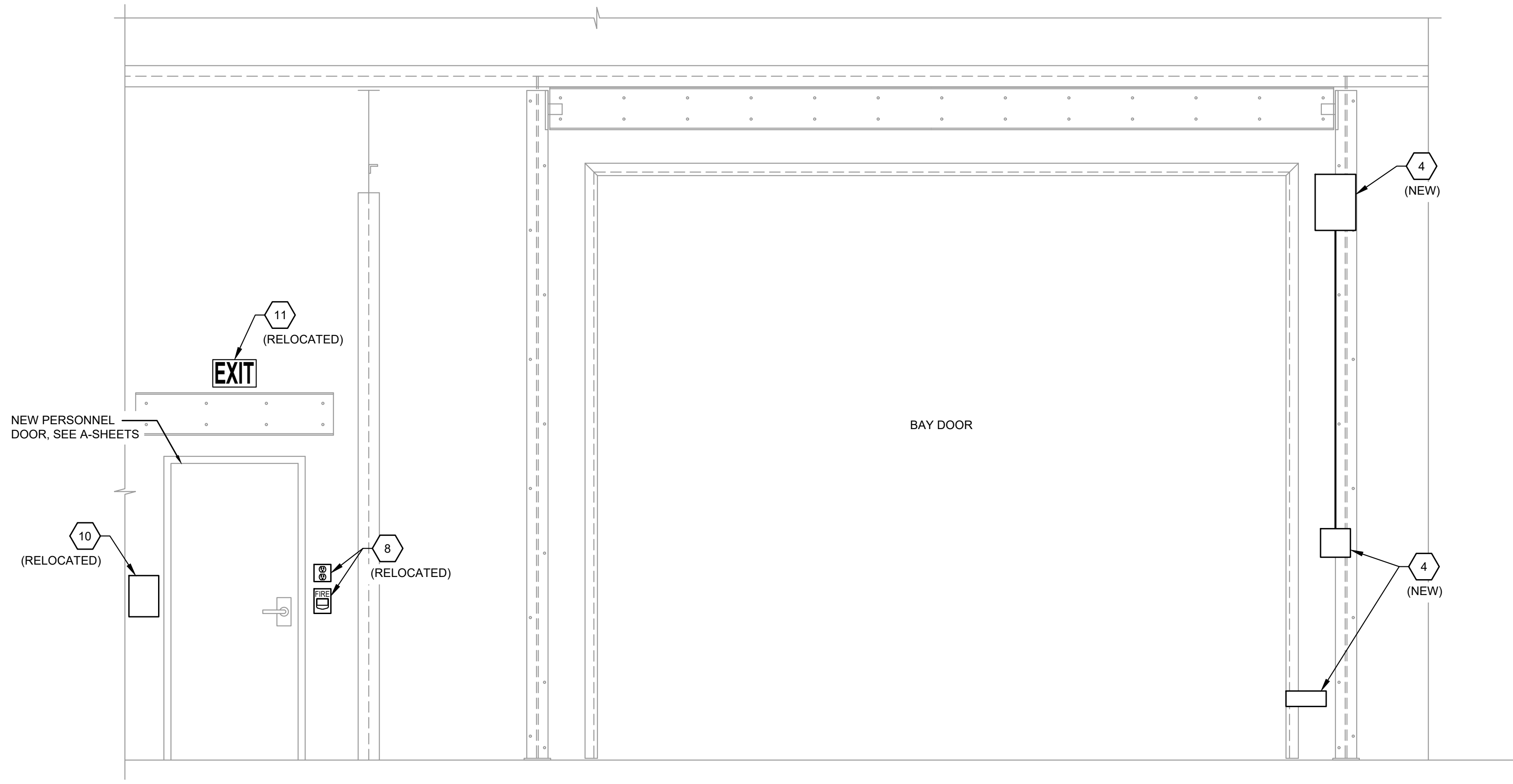


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C2503
BUILDING "B" BAY DOOR REPLACEMENT
ELECTRICAL EQUIPMENT AND CONDUITS DETAIL PHOTOS



SHEET
E-4
OF 5



NOTES:

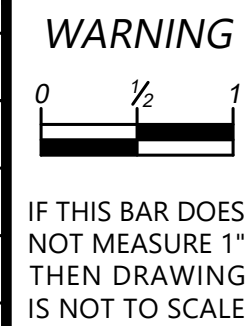
1. NEW CONDUIT NOT SHOWN HERE.

1
-
MODIFIED BAY DOOR ELEVATION
SCALE: 1/2" = 1'-0"

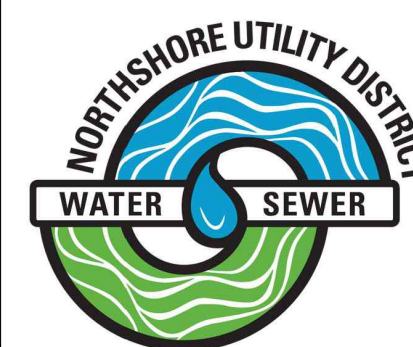
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MODIFIED BAY DOOR ELEVATION

SHEET
 E-5
 OF 5