

City of Taunton, Massachusetts

Main Lift Pump Station Improvements



Mayor

Shaunna O'Connell

Department of Public Works

Frederic J. Cornaglia - Commissioner

Anthony Abreau - Assistant Commissioner

City Engineer

Mike Patneade, P.E.

City Council

Phillip Duarte

Barry Sanders

Jeff Postell

John M. McCaul

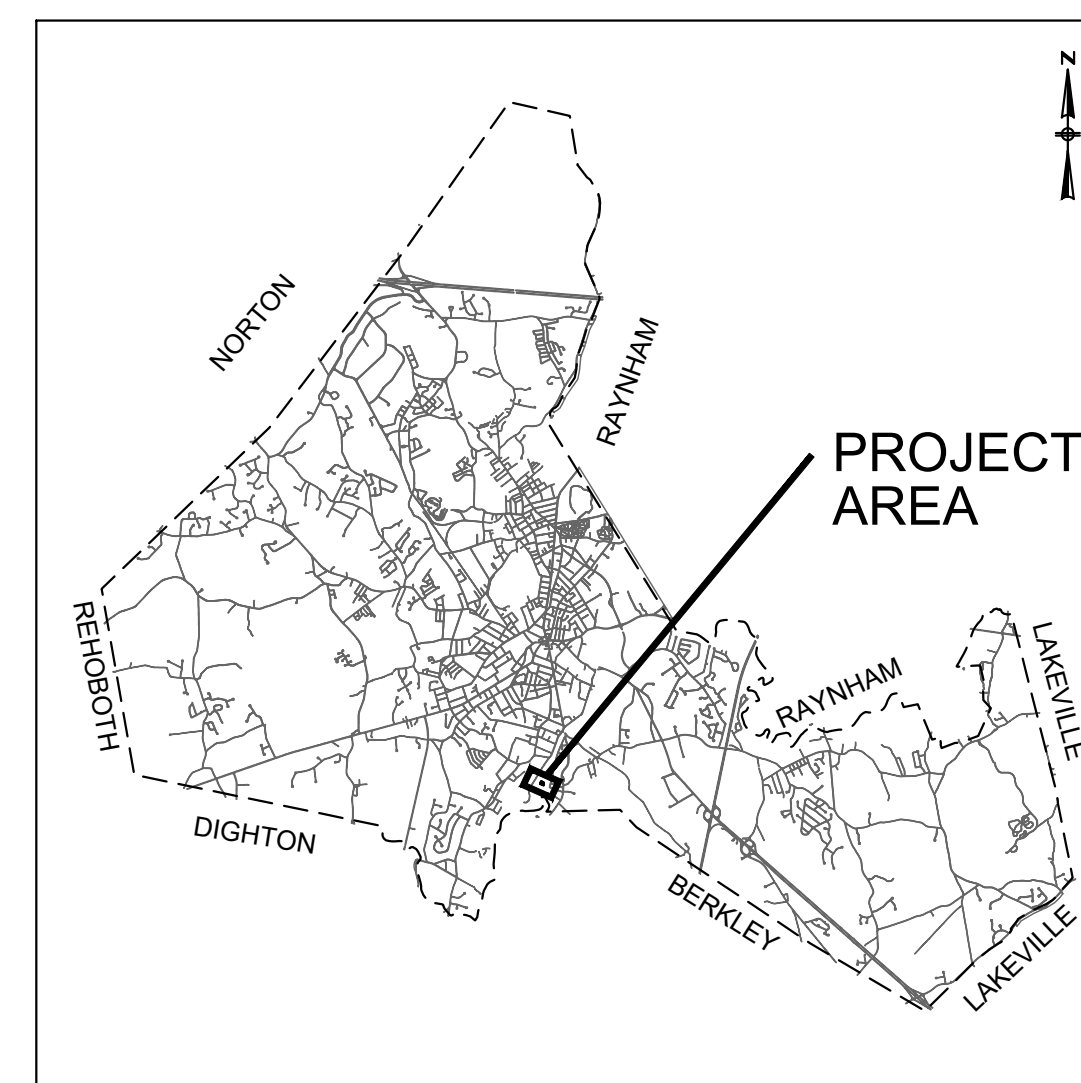
David Pottier

Lawrence J Quintal

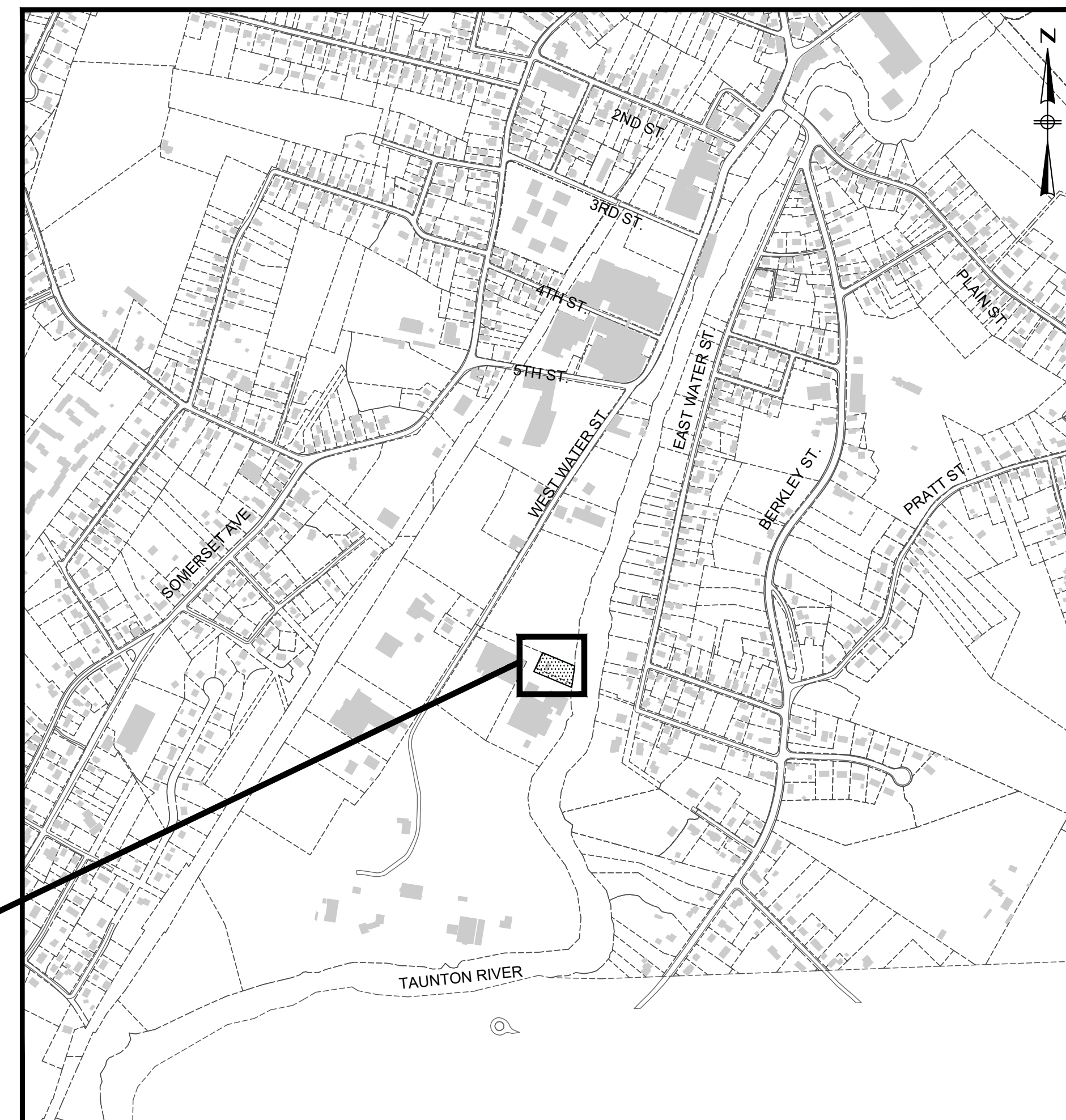
Chris Coute

Kelly A Dooner

Estele Borges



LOCATION MAP
NOT TO SCALE



PROJECT LOCATION

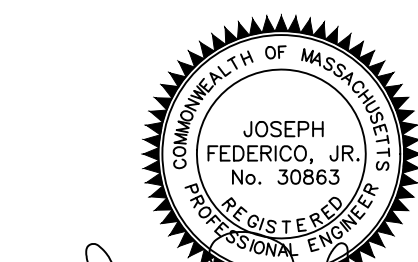
PROJECT LOCATION

LOCUS MAP
NOT TO SCALE

Contract S-2022-2
CWSRF No. 6832

Issue Date:

March 31, 2022



Joseph Federico, Jr.

Prepared By:



www.BETA-Inc.com

INDEX OF DRAWINGS

GENERAL	
G-1	DRAWING INDEX & LEGEND
G-2	GENERAL NOTES
G-3	PROCESS FLOW DIAGRAM
CIVIL	
C-1	EXISTING CONDITIONS SITE PLAN
C-2	PROPOSED SITE PLAN
CD-1	CIVIL DETAILS I
CD-2	CIVIL DETAILS II
EASEMENT	
EP-1	EASEMENT PLAN 106-4
EP-2	EASEMENT PLAN 106-5
ARCHITECTURAL	
A-1	GENERAL NOTES
A-2	ABBREVIATIONS, SYMBOLS AND MOUNTING HEIGHTS
A-3	3D VIEWS
A-4	EXISTING SEWAGE PUMP STATION DRAWINGS
A-5	PUMP ROOM LEVEL PLAN
A-6	PUMP ROOM LEVEL RCP
A-7	PUMP ROOM MEZZANINE LEVEL PLAN
A-8	PUMP ROOM MEZZANINE LEVEL REFLECTED CEILING PLAN
A-9	GROUND FLOOR PLAN
A-10	GROUND FLOOR REFLECTED CEILING PLAN
A-11	ROOF PLAN
A-12	NORTH EXTERIOR ELEVATIONS
A-13	WEST EXTERIOR ELEVATIONS
A-14	SOUTH EXTERIOR ELEVATIONS
A-15	EAST EXTERIOR ELEVATIONS
A-16	BUILDING SECTIONS
A-17	BUILDING SECTIONS
A-18	BUILDING SECTIONS
A-19	WALL SECTIONS
A-20	MASONRY DETAILS
A-21	ROOF DETAILS
A-22	INTERIOR ELEVATIONS AND WC PLAN
A-23	EXTERIOR STAIR SECTIONS AND TYPICAL RAILING DETAILS
A-24	DOOR AND WINDOW SCHEDULES
A-25	SIGNAGE, ACCESSORIES AND FINISH SCHEDULES
A-26	DOOR AND WINDOW DETAILS
A-27	DOOR DETAILS
A-28	RESTROOM DETAILS AND PARTITION TYPES
STRUCTURAL	
S-1	STRUCTURAL NOTES (1 OF 2)
S-2	STRUCTURAL NOTES (2 OF 2)
S-3	EXISTING PUMP ROOM PLAN
S-4	EXISTING GROUND FLOOR PLAN
S-5	BUILDING SECTIONS (1 OF 2)
S-6	BUILDING SECTIONS (2 OF 2)
S-7	CONTROL BUILDING EXISTING BASE PLAN
S-8	CONTROL BUILDING PLAN
S-9	CONTROL BUILDING ROOF FRAMING PLAN
S-10	CONTROL BUILDING SECTIONS
	GENERATOR PAD
	CONCRETE DETAILS
	MASONRY DETAILS
	MISCELLANEOUS STRUCTURAL DETAILS

MECHANICAL	
M-1	BASEMENT LEVEL PLAN
M-2	MEZZANINE LEVEL PLAN
M-3	GROUND LEVEL PLAN
M-4	SECTION A-A
M-5	SECTION B-B
M-6	SECTION C-C
MD-1	MECHANICAL DETAILS I
MD-2	MECHANICAL DETAILS II
HVAC	
H-1	HVAC LEGEND & GENERAL NOTES
H-2	HVAC BASEMENT LEVEL PLAN
H-3	HVAC MEZZANINE LEVEL PLAN
H-4	HVAC GROUND LEVEL PLAN
H-5	ROOF LEVEL PLAN
H-6	HVAC BUILDING SECTION
H-7	HVAC SCHEDULE, DETAILS, AND SECTION
PLUMBING	
P-1	PLUMBING LEGEND, NOTES, AND SCHEDULE
P-2	PLUMBING BASEMENT LEVEL PLAN
P-3	PLUMBING MEZZANINE LEVEL PLAN
P-4	PLUMBING GROUND LEVEL PLAN
P-5	PLUMBING ROOF PLAN
P-6	PLUMBING DETAILS
INSTRUMENTATION AND CONTROL	
I-1	LEGEND AND NOTES
I-2	WET WELLS AND PUMPS
I-3	WET WELLS AND PUMPS
I-4	STATION MONITORING
ELECTRICAL	
E-1	ELECTRICAL LEGEND AND NOTES
E-2	ELECTRICAL ONE LINE DIAGRAM
E-3	ELECTRICAL SITE PLAN
E-4	BASEMENT LEVEL POWER AND LOW VOLTAGE PLAN
E-5	MEZZANINE LEVEL POWER AND LOW VOLTAGE PLAN
E-6	GROUND LEVEL POWER AND LOW VOLTAGE PLAN
E-7	ROOF POWER PLAN
E-8	BASEMENT LEVEL LIGHTING PLAN
E-9	MEZZANINE LEVEL LIGHTING PLAN
E-10	GROUND LEVEL LEVEL LIGHTING PLAN
E-11	ELECTRICAL SCHEDULES
E-12	ELECTRICAL WIRING DIAGRAMS
E-13	ELECTRICAL SITE DETAILS
E-14	ELECTRICAL DETAILS

LEGEND - EXISTING

CONTOUR - MAJOR	
CONTOUR - MINOR	
PARCEL LINE	
PAVED DRIVE	
FENCE	
SHEETING	
COAST LINE	
DRAIN LINE	
ELECTRIC LINE	
GAS LINE	
SEWER LINE	
FORCE MAIN	
WATER LINE	
DRAIN MANHOLE	
CATCH BASIN	
SEWER MANHOLE	
WATER GATE	
HYDRANT	
UTILITY POLE	
UTILITY LIGHT POLE	
LIGHT POLE	
SIGN	
MAG NAIL	
MONITORING WELL	
TREELINE/TREE	
BUILDINGS	
PAVEMENT	
WETLAND DELINEATION W/ FLAGS	
100-FT. WETLAND BUFFER	
25-FT RIVER FRONT AREA	
100-FT COASTAL BANK BUFFER	
BORDERING LAND SUBJECT TO FLOODING ELEV. = 13.00 (NAVD88)	

ABBREVIATIONS

BITUMINOUS	BIT.
CONCRETE	CONC.
CONCRETE RETAINING WALL	CRW
CONCRETE PAD	CPD
DESTINATION UNKNOWN	D.U.??
EDGE OF PAVEMENT	EOP
GRASS	GRS
MONITORING WELL	MW
NO PIPE VISIBLE	NPV
OVERHEAD WIRES	OHW
STONE RETAINING WALL	SRW
VENT PIPE	VP
VERTICAL GRANITE CURB	VGC

LEGEND - PROPOSED

EROSION CONTROL	
WATER LINE	
WATER VALVE	
HYDRANT	
CHAIN LINK FENCE	
LIMITS OF TEMPORARY EASEMENTS	
LIMITS OF PERMANENT EASEMENTS	

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

DRAWING INDEX & LEGEND

NO.	REVISIONS	DATE

SCALE

NONE

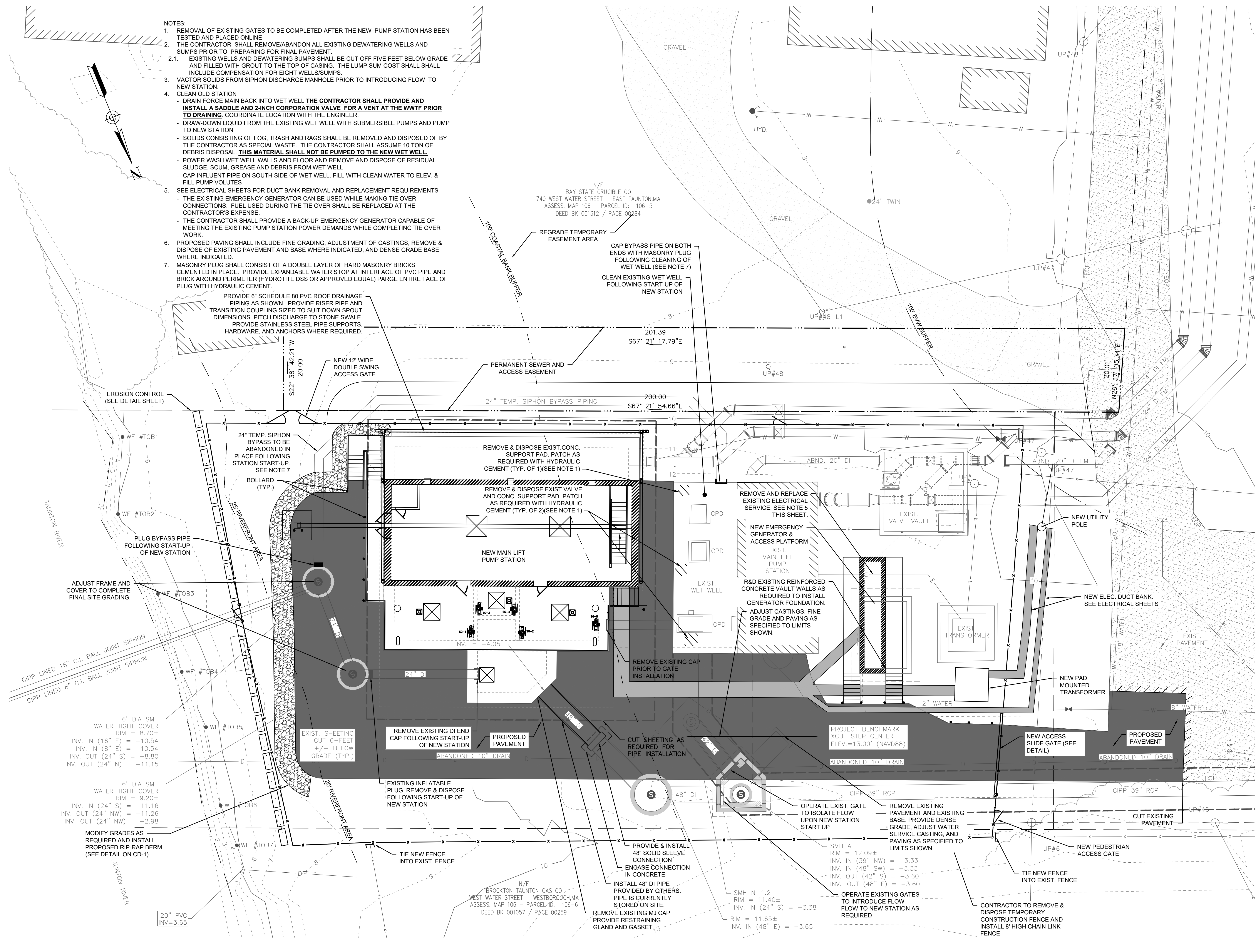
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

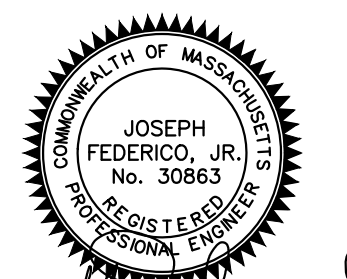
G-1

3/28/2022 11:00 AM J:\TAUNTON\MAIN LIFT PUMP STATION\AUTOCAD\DRAWINGS\FILES\CONTRACT 3 - MAIN LIFT PS BUILDOUT\CONTRACT SITE PLAN - PROPOSED.DWG

- NOTES:
- REMOVAL OF EXISTING GATES TO BE COMPLETED AFTER THE NEW PUMP STATION HAS BEEN TESTED AND PLACED ONLINE.
 - THE CONTRACTOR SHALL REMOVE/ABANDON ALL EXISTING DEWATERING WELLS AND SUMPS PRIOR TO PREPARING FOR FINAL PAVEMENT.
 - EXISTING WELLS AND DEWATERING SUMPS SHALL BE CUT OFF FIVE FEET BELOW GRADE AND FILLED WITH GROUT TO THE TOP OF CASING. THE LUMP SUM COST SHALL INCLUDE COMPENSATION FOR EIGHT WELLS/SUMPS.
 - VECTOR SOLIDS FROM SIPHON DISCHARGE MAN-HOLE PRIOR TO INTRODUCING FLOW TO NEW STATION.
 - CLEAN OLD STATION
 - DRAIN FOR MAIN BACK INTO WET WELL. THE CONTRACTOR SHALL PROVIDE AND INSTALL A SADDLE AND 2-INCH CORPORATION VALVE FOR A VENT AT THE WWTF PRIOR TO DRAINING. COORDINATE LOCATION WITH THE ENGINEER.
 - DRAW-DOWN LIQUID FROM THE EXISTING WET WELL WITH SUBMERSIBLE PUMPS AND PUMP TO NEW STATION.
 - SOLIDS CONSISTING OF FOG, TRASH AND RAGS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AS SPECIAL WASTE. THE CONTRACTOR SHALL ASSUME 10 TON OF DEBRIS DISPOSAL. **THIS MATERIAL SHALL NOT BE PUMPED TO THE NEW WET WELL.**
 - POWER WASH WET WELL WALLS AND FLOOR AND REMOVE AND DISPOSE OF RESIDUAL SLUDGE, SCUM, GREASE AND DEBRIS FROM WET WELL.
 - CAP INFLUENT PIPE ON SOUTH SIDE OF WET WELL. FILL WITH CLEAN WATER TO ELEV. & FILL PUMP VOLUTES.
 - SEE ELECTRICAL SHEETS FOR DUCT BANK REMOVAL AND REPLACEMENT REQUIREMENTS
 - THE EXISTING EMERGENCY GENERATOR CAN BE USED WHILE MAKING TIE OVER CONNECTIONS. FUEL USED DURING THE TIE OVER SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL PROVIDE A BACK-UP EMERGENCY GENERATOR CAPABLE OF MEETING THE EXISTING PUMP STATION POWER DEMANDS WHILE COMPLETING TIE OVER WORK.
 - PROPOSED PAVING SHALL INCLUDE FINE GRADING, ADJUSTMENT OF CASTINGS, REMOVE & DISPOSE OF EXISTING PAVEMENT AND BASE WHERE INDICATED, AND DENSE GRADE BASE WHERE INDICATED.
 - MASONRY PLUG SHALL CONSIST OF A DOUBLE LAYER OF HARD MASONRY BRICKS CEMENTED IN PLACE. PROVIDE EXPANDABLE WATER STOP AT INTERFACE OF PVC PIPE AND BRICK AROUND PERIMETER (HYDROTITE DSS OR APPROVED EQUAL) PARGE ENTIRE FACE OF PLUG WITH HYDRAULIC CEMENT.
 - PROVIDE 6" SCHEDULE 80 PVC ROOF DRAINAGE PIPING AS SHOWN. PROVIDE RISER PIPE AND TRANSITION COUPLING SIZED TO SUIT DOWN SPOUT DIMENSIONS. PITCH DISCHARGE TO STONE SWALE. PROVIDE STAINLESS STEEL PIPE SUPPORTS, HARDWARE, AND ANCHORS WHERE REQUIRED.



PREPARED BY
BETA
 www.BETA-Inc.com

REGISTERED PROFESSIONAL

 Joseph Federico, Jr.


SUBCONSULTANT

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA
 TITLE
PROPOSED SITE PLAN

NO.	REVISIONS	DATE

DRAWN BY: BM
 DESIGNED BY: AJG
 CHECKED BY: CC
 ISSUE DATE: 3/31/2022
 BETA JOB NO.: 5530

SCALE

 SCALE IN FEET: 1"=10'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
 SHEET NO.
C-2

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE AND PREVAILING CODES, BY-LAWS AND ORDINANCES.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE STARTING WORK.
3. INFORMATION CALLED OUT ON ONE SHEET WILL BE BINDING AS IF CALLED FOR BY ALL. ANY WORK SHOWN OR REFERRED TO ON ANY ONE DOCUMENT SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DOCUMENTS. DETAILS TAKE PRECEDENCE OVER GENERAL WORK, TYPICAL.
4. THE CHARACTER AND SCOPE OF THE WORK ARE ILLUSTRATED BY THE DRAWINGS. TO INTERPRET AND EXPLAIN THE DRAWINGS, OTHER WRITTEN AND GRAPHIC INFORMATION DEEMED NECESSARY WILL BE FURNISHED TO THE CONTRACTOR AND THE SUBCONTRACTORS WHEN AND AS REQUIRED BY THE WORK, AND IT IS UNDERSTOOD THAT SAID ADDITIONAL INFORMATION AND DRAWINGS SHALL BECOME PART OF THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR AND SUBCONTRACTOR WILL NOTIFY THE ENGINEER OF ANY ERRORS, OMISSIONS, CONFLICTS OR AMBIGUITIES IN AND BETWEEN THE DRAWINGS THEMSELVES, OR WITH FIELD CONDITIONS, AND IN A TIMELY MANNER SHALL REQUEST CLARIFICATIONS PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. IF SUCH NOTICE IS NOT FURNISHED TO THE ENGINEER, THE CONTRACTOR AND SUBCONTRACTOR WILL BE DEEMED TO HAVE INSPECTED THE DRAWINGS AND FOUND THEM IN PROPER FORM FOR EXECUTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, AND SHALL FILE SEPARATE APPLICATIONS FOR PERMITS AND SHALL ARRANGE FOR ALL NECESSARY INSPECTIONS AND APPROVALS.
7. THE CONTRACT FOR CONSTRUCTION IS BASED ON THE STANDARDS OF QUALITY ESTABLISHED IN THE CONTRACT DOCUMENTS. SUBSTITUTIONS WILL ONLY BE CONSIDERED WHEN SUBSTANTIATED BY THE CONTRACTOR'S SUBMITTAL OF REQUIRED DATA.
8. THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL SUBMIT ALL REQUESTS FOR SUBSTITUTIONS OF SPECIFIC ITEMS TO THE ENGINEER IN WRITING, FOR APPROVAL. WHERE "APPROVED EQUAL" IS USED, IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE BY JUDGMENT AND APPROVAL OF THE ENGINEER AND THAT NOTIFICATION SHALL BE MADE PRIOR TO INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ASSURANCE OF COMPLIANCE AND QUALIFICATION FOR ALL SUBSTITUTIONS AND CO-ORDINATION CHANGES THROUGH ALL DISCIPLINES.
9. THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL SUBMIT MANUFACTURER'S "CUTS"/PRODUCT INFORMATION OF ITEMS FOR THE WORK, AND SHOP DRAWINGS AND SAMPLES AS REQUIRED BY THE ENGINEER. WORK AFFECTED BY THESE SUBMISSIONS SHALL NOT PROCEED PRIOR TO RECEIPT OF THE ENGINEER'S APPROVAL.
10. THE APPROVAL OF SHOP DRAWINGS AND SUBMITTALS SHALL BE FOR COMPLIANCE WITH DESIGN INTENT, AND SHALL BE GENERAL AND/OR FOR AESTHETIC INTERPRETATION, AND, EXCEPT AS OTHERWISE INDICATED, SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR AND SUBCONTRACTOR OF RESPONSIBILITY FOR ERRORS IN DETAILS, DIMENSIONS OR OTHERWISE, WHICH MAY EXIST. FURTHERMORE, APPROVAL OF SHOP DRAWINGS AND SUBMITTALS SHALL NOT BE CONSTRUED AS ALLOWING ANY DEPARTURE FROM ADDITIONAL DETAILS OR INSTRUCTIONS PREVIOUSLY FURNISHED BY THE ENGINEER.
11. STATEMENT OF INTENT: THE INTENT OF THE PROJECT IS TO COMPLETE THE WORK DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THE TAUNTON PUMP STATION REPLACEMENT, TAUNTON, MA.
12. THE INTENT OF THE DOCUMENTS IS TO DESCRIBE THE WORK NECESSARY FOR THE PROJECT TO BE COMPLETE, USABLE FOR ITS INTENDED PURPOSE, AND FULLY FUNCTIONAL AT THE CONCLUSION OF THE PROJECT. ALL REQUIRED STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE-PROTECTION WORK IS TO BE INCLUDED.
13. ACCEPTANCE OF DOCUMENTS: THE CONTRACTOR AND SUBCONTRACTORS ARE TO REVIEW THE DOCUMENTS AND EXAMINE THE SITE. EXECUTION OF A CONTRACT FOR CONSTRUCTION WILL CONSTITUTE ACCEPTANCE BY THE CONTRACTOR AND SUBCONTRACTOR(S) OF THE ADEQUACY OF THE DOCUMENTS TO ACHIEVE THE INTENT OF THE WORK.
14. THE CONTRACTOR SHALL PROVIDE FIRE-TREATED-BLOCKING AT ALL CEILINGS, FLOORS, AND FURRED-DOWN SPACES. FIRE-STOPPING AND SMOKE SEAL SHALL BE PROVIDED WHERE FIRE RATED OCCUPANCIES AND ASSEMBLIES MEET.
15. THE CONTRACTOR SHALL PROTECT ALL EXISTING SURFACES, MATERIALS AND ASSEMBLIES DURING THE CONSTRUCTION PERIOD.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING FIRE DEPARTMENT FIRE-WATCH AS REQUIRED BY CODES AND ORDINANCES WHENEVER OPEN FLAME OR WELDING IS REQUIRED.
17. ALL LIFE-SAFETY DEVICES SHALL BE (HARD-WIRE) PROVIDED AS REQUIRED BY NATIONAL AND LOCAL CODES, ORDINANCES AND REGULATIONS.
18. THE CONTRACTOR SHALL MAKE SAFE ALL EXISTING AND NEW PLUMBING, FIRE-PROTECTION, MECHANICAL AND ELECTRICAL SERVICES AND UTILITIES ON SITE.
19. ALL DEBRIS, DEMOLITION AND CONSTRUCTION WASTE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER. RECYCLING IS STRONGLY ENCOURAGED. ANY AND ALL ITEMS SCHEDULED FOR REMOVAL OR DEMOLITION WITH SALVAGE OR HISTORICAL VALUE SHALL REMAIN THE PROPERTY OF THE OWNER - THESE ITEMS SHALL BE CAREFULLY REMOVED AND PROTECTED AND TURNED-OVER TO THE OWNER.
20. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE, NEAT AND ORDERLY MANNER.
21. THE CONTRACTOR SHALL PATCH OR REPLACE ALL EXISTING SURFACES WHERE SELECTIVE DEMOLITION MAY HAVE CAUSED DAMAGE DURING THE CONSTRUCTION.
22. THE CONTRACTOR SHALL ENSURE THAT NO WORK SHALL OCCUR OUTSIDE THE PROPOSED LIMIT OF WORK AREA AS NOTED ON THE DOCUMENTS AND AS NOTED HEREIN, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER.
23. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY FOR DAMAGE TO, AND SHALL TAKE CARE AND CAUTION TO PROTECT ALL POWER, TELEPHONE, TELECOMMUNICATIONS, CABLE TV, ETCETERA SYSTEMS, INCLUDING CONDUIT, LINES, WIRES AND CABLES, WHETHER CONCEALED, UNDERGROUND OR OVERHEAD.
24. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION ACCESS PLAN DETAILING PROPOSED ACCESS REQUIREMENTS, LAY-DOWN AND STAGING AREAS, INCLUDING ACCESS FOR TRUCKING TO AND FROM THE SITE DURING CONSTRUCTION. THIS PLAN REQUIRES THE APPROVAL OF THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
25. CONTRACTOR SHALL REVIEW ALL ELECTRICAL DEVICE ROUGH-IN LOCATIONS PRIOR TO INSTALLATION AND SHALL COORDINATE BETWEEN TRADES WHEN LOCATING DEVICES IN CONCRETE SLABS AND/OR COLUMNS.

PREPARED BY:



www.BETA-inc.com
PLOT DATE: 8/29/2021 3:59:16 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square 280 Elm Street
Suite 200B South Dartmouth, MA
Concord, MA 02748
01742 508.999.0440
978.371.7500

PROJECT

**MAIN LIFT
PUMP
STATION
IMPROVEMENTS**

TAUNTON, MA

TITLE

GENERAL NOTES

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.

A-01

ABBREVIATIONS

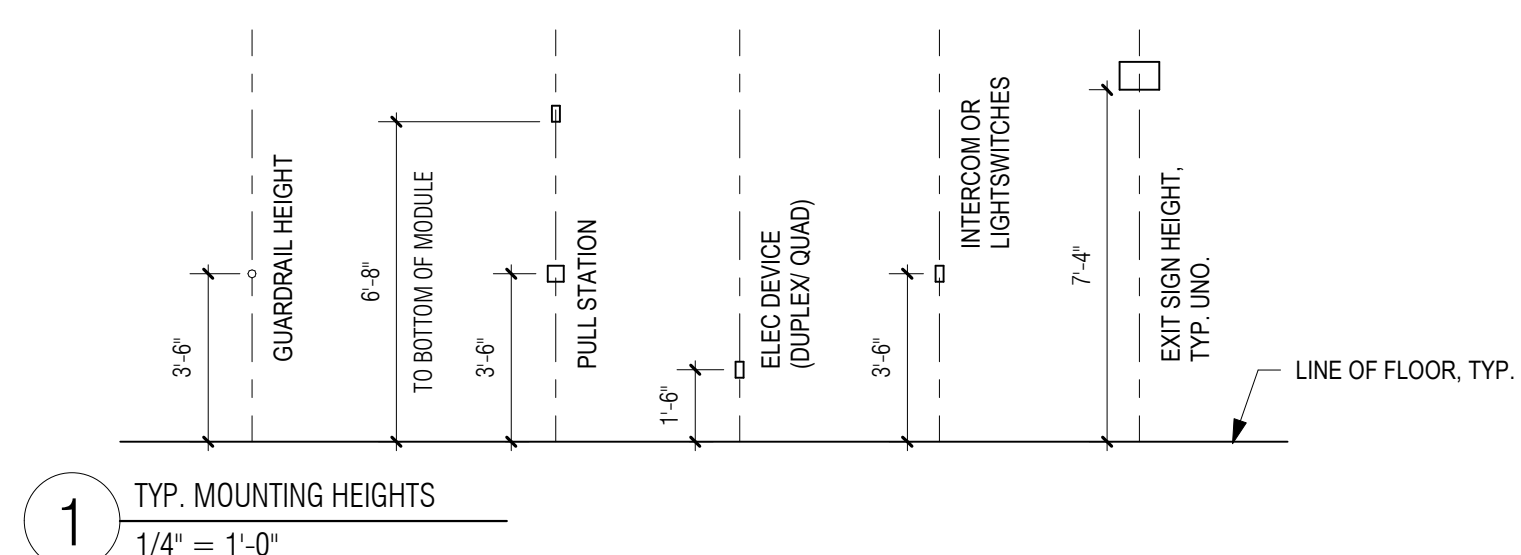
AFF ABOVE FINISHED FLOOR	ENT ENTRANCE	LB LAG BOLT OR POUND	RC REMOTE CONTROL
AH ACCESS HATCH	EQ EQUIPMENT	LAM LAMINATE	RE REMOVE, REMOVABLE
AP ACCESS PANEL	ESC ESCALATOR	LDG LANDING	REQ REQUIRE(D)
ACOUS ACOUSTIC	EST ESTIMATE	LAV LAVATORY	RES RESILIENT
ACT ACOUSTIC CEILING TILE	EXC EXCAVATE	LH LEFT HAND	RA RETURN AIR
ACRY ACRYLIC	EXE EXECUTIVE	L LENGTH	RVS REVERSE (SIDE), REVISE(D)
ADD ADDENDUM	EXH EXHAUST	LIB LIBRARY	REV REVISION
ADJ ADJACENT	EXH EXHAUST	LT LIGHT	RH RIGHT HAND
ADJT ADJUSTABLE	EXIST EXISTING	LTG LIGHTING	ROW RIGHT OF WAY
AGG AGGREGATE	EJ EXPANSION JOINT	LP LIGHTPROOF	R RISER
AIC AIR CONDITIONER (ING)	AVC AIR CONDITIONER (ING)	LW LIGHTWEIGHT	ROB ROBO-OUT BASIN
ALT ALTERNATE	EXT EXTERIOR	LF LINEAR FEET	RD ROOF DRAIN
ADA AMERICAN W/ DISABILITIES ACT	EXS EXTRA STRONG	LTL LINTEL	RFG ROOFING
AB ANCHOR BOLT		LL LIVE LOAD	RFH ROOF HATCH
ANOD ANODIZED		LVR LOUVER	RM ROOM
APPD APPROVED	FAB FABRICATE	LP LOW PRESSURE	RO ROUGH OPENING
APPX APPROXIMATE	FB FACE BRICK	LPT LOW POINT	RB RUBBER BASE
ARCH ARCHITECT(URAL)	FOC FACE OF CONCRETE	LV LOW VOLTAGE	RT RUBBER TILE
AD AREA DRAIN	FOF FACE OF FINISH		
AUT AUTHORIZED	FOM FACE OF MASONRY		
AUTO AUTOMATIC	FOS FACE OF STUDS		
AVG AVERAGE	F TO F FACE TO FACE		
B TO B BACK TO BACK	FF FACTORY FINISH		
BB BALL BEARING	FT FEET FOOT		
BSMT BASEMENT	FBD FIBERBOARD		
BRGBEARING	FGL FIBERGLASS		
BM BENCHMARK	FIN FINISH		
BVL BEVELED	FL FINISHED FLOOR		
BTUM BITUMINOUS	FA FIRE ALARM		
BLK BLOCK	FDC FIRE DEPARTMENT CONNECTION		
BLKG BLOCKING	FEC FIRE EXTINGUISHER CABINET		
BD BOARD	FVC FIRE VALVE CABINET		
BF BOTH FACES	FHC FIRE HOSE CABINET		
BS BOTH SIDES	FHS FIRE HOSE STATION		
BW BOTH WAYS	FHY FIRE HYDRANT		
BOTT BOTTOM	FRC FIRE-RESISTANT COATING		
BRKT BRACKET	FRT FIRE-RETARDANT		
BR BRICK	FL FIRE LINE		
BC BRICK COURSE	FR FIRE ROOF		
BRZ BRONZE	FR FIRE RESISTANT		
BLDG BUILDING	FLG FLASHING		
BUR BUILT-UP ROOFING	FH FLAT HEAD		
BBD BULLETIN BOARD	FLEX FLEXIBLE		
	FL FLOOR		
CAB CABINET	FD FLOOR DRAIN		
CAIS CAISSON	FLRG FLOORING		
CPT CARPET	FS FLOOR SINK		
CI CAST IRON	FLUOR FLUORESCENT		
CIP CAST-IN-PLACE	FLJ FLUSH JOINT		
CB CATCH BASIN	FLG FLASHING		
CP CATHODIC PROTECTION	FG FOOTING		
CLG CEILING	FDNT FOUNDATION		
CLG HT CEILING HEIGHT	FRM(G) FRAME(D),(ING)		
CEM CEMENT	FS FULL SIZE		
C TO C CENTER TO CENTER	FURN FURNISH		
CM CENTIMETERS	FBO FURNISHED BY OTHERS		
CMT CERAMIC MOSAIC TILE	FLR FURRED(ING)		
CT CERAMIC TILE	GAT GAGE OR GAUGE		
CER CERAMIC	GAL GALLON		
CHBD CHALKBOARD	GALV GALVANIZED		
CHAM CHAMFER	GI GALVANIZED IRON		
CR CHROMIUM (PLATED)	GP GALVANIZED PIPE		
CIR CIRCUMFERENCE	GSM GALVANIZED SHEET METAL		
CO CLEANOUT	G GAS		
CLR CLEAR	GKT GASKET		
CLO CLOSET	GENL GENERAL		
COEF COEFFICIENT	GEO GENERAL CONTRACTOR		
CU COEFFICIENT OF UTILIZATION	GEN GENERATOR		
CW COLD WATER	GL GLASS GLAZING		
COL COLUMN	GLF GLASS FIBER		
COMB COMBINATION	GMU GLAZED MASONRY UNIT		
COMPT COMPARTMENT	GST GLAZED STRUCTURAL TILE		
COMPR COMPRESSED(ING)(ON)	GOVT GOVERNMENT		
(IBLE)	GB GRAB BAR		
CONC CONCRETE	GD GRADE, GRADING		
CMU CONCRETE MASONRY UNIT	GRT GRATING		
CONN CONNECTION	GVL GRAVEL		
CONST CONSTRUCTION	GR GRILLE		
CONT CONTINUE, CONTINUOUS	GRND GROUND		
CLL CONTRACT LIMIT LINE	GF GROUND FACE		
CONTR CONTRACTOR	GFCI GROUND FAULT CIRCUIT		
CJ CONTROL JOINT	INTERUPTOR		
CONV CONVENIENCE	GT GROUT		
CPR COPPER	GD GUTTER DRAIN		
CORR CORRIDOR	GWB GYPSUM WALL BOARD		
CTR COUNTER	GPL GYPSUM PLASTER		
CFL COUNTERFLASHING	GPT GYPSUM TILE		
CS COUNTERSINK	HC HANDICAP		
CRS COURSE	HGR HANGER		
CJ CUBIC	HBD HARDBOARD		
CFT CUBIC FOOT	HRDW HARDWARE		
CY CUBIC YARD	HOWD HARDWOOD		
DPR DAMPROOFING	HD HEAD		
DP DAMPER LINE	HDR HEADER		
DB DECIBEL	HTR HEATER		
DEG DEGREE	HTG HEATING		
DEMO DEMOLITION	HVAC HEATING/VENT/AIR COND.		
DMT DEMOUNTABLE	HBV HEAVY		
DEPT DEPARTMENT	HD HEAVY DUTY		
DEP DEPRESSED	HT HEIGHT		
DTL DETAIL	HEX HEXAGONAL		
DIAG DIAGONAL	HWY HIGHWAY		
DIA DIAMETER	HC HOLLOW CORE		
DIM DIMENSION	HM HOLLOW METAL		
DISP DISPENSER	HRH HORIZONTAL		
DO DITTO	HP HORSEPOWER		
DIV DIVISION	HB HOSE BIB		
DR DOOR	HW HOT WATER		
DBL DOUBLE	HWH HOT WATER HEATER		
DA DOUBLE-ACTING	HSH HOUSING		
DWL DOWL	HYD HYDRAULIC		
DN DOWN	INC INCANDESCENT		
DS DOWNSPOUT	IN INCH		
DR DRAIN	INCL INCLINATOR		
DWR DRAINAGE	INCL INCLINATION		
DWG DRAWING	INFO INFORMATION		
DF DRINKING FOUNTAIN	ID INSIDE DIAMETER		
DW DISHWASHER	INS INSULATION		
	INT INTERIOR		
	INTM INTERMEDIATE		
	INV INVERT		
	IE INVERT ELEVATION		
	IP IRON PIPE		
	E EAST		
	ELB ELBOW		
	ELEC ELECTRICAL		
	EW ELECTRIC WATER		
	HEATER		
	EWC ELECTRIC WATER COOLER		
	EL ELEVATION		
	ELEV ELEVATOR		
	EMER EMERGENCY		
	ENCL ENCLOSURE		
	ENGR ENGINEER		

MATERIAL LEGEND

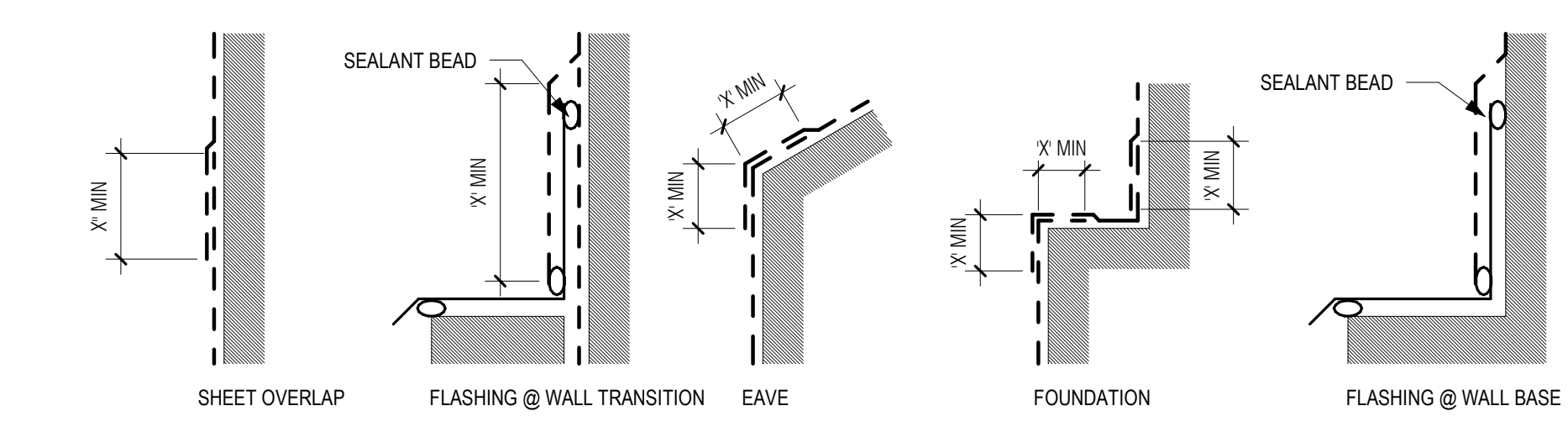
	UNDISTURBED COMPACTED SOIL
	UNDISTURBED SOIL BACKFILL
	ASPHALT PAVEMENT
	BITUMINOUS SETTING BED
	SAND
	CONCRETE
	GROUT
	BRICK
	CONC. BLOCK
	STEEL
	ALUMINIUM
	STONE
	FINISH WOOD
	WOOD BLOCKING
	PLASTIC
	PARTICLE BOARD
	GYPSUM WALL BOARD
	PLYWOOD
	CARPETING
	RESILIENT FLOORING
	PLASTIC LAMINATE
	GLAZING
	GLASS BLOCK
	ACOUSTIC CEILING BOARD
	BATT / LOOSE INSULATION
	WATERPROOFING
	RIGID INSULATION
	SEALANT W/ BACKER ROD
	PRE-MOLDED FILLER
	COMPRESSIBLE FILLER
	DEMOLITION

SYMBOL LEGEND

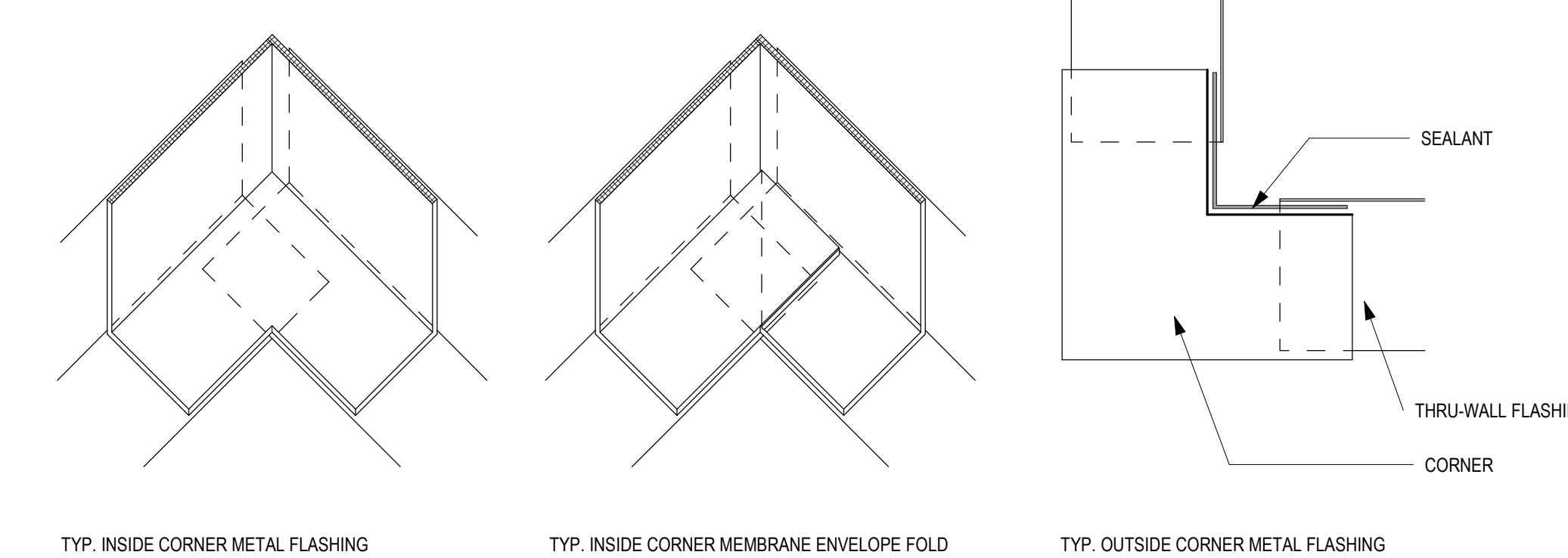
	EXTERIOR ELEVATION TARGET
	DETAIL / WALL SECTION TARGET
	INTERIOR ELEVATION TARGET
	PARTIAL PLAN AND DETAIL TARGET
	PARTITION TYPE
	ROOM NAME AND NUMBER
	DOOR NUMBER
	WINDOW TYPE SYMBOL
	NEW POINT ELEVATION
	EXISTING POINT ELEVATION
	EXISTING CONTOUR ELEVATION
	NEW CONTOUR ELEVATION
	DRAWING REVISION TAG
	VERTICAL ELEVATION
	MATCH LINE
	PROPERTY LINE
	BREAK LINE
	COLUMN SYMBOLS AND CENTER LINES
	NORTH ARROW
	NATURAL GAS STUB
	HOSE BIB
	AREA OF RESCUE ASSISTANCE (30' X 48')
	HANDICAP CLEAR SPACE (5'-0" DIA)
	ACCESS HATCH



1 TYP. MOUNTING HEIGHTS
1/4" = 1'-0"



2 WATERPROOFING DETAILS
3" = 1'-0"
"X" = PER MANUFACTURER'S RECOMMENDATIONS, TYP.



3 WATERPROOFING DETAILS 3D
3" = 1'-0"

ELECTRICAL/ALARMS	
	FIRE ALARM AUDIO
	STROBE
	MANUAL ALARM PULL STATION
POWER/UTILITIES	
	DATA
	TEL / DATA
	QUAD RECEPTACLE
	DUPLEX RECEPTACLE
	GROUND FAULT INTERPRETER
	WEATHER PROOF GROUND FAULT INTERPRETER
	DIMMABLE RECEPTACLE, WALL MOUNTED
	FLOOR MOUNTED DUPLEX
	FLOOR MOUNTED QUAD
	FLOOR MTD. DIMMABLE RECEPTACLE
	FLOOR MTD. DATA RECEPTACLE
	SWITCH: LOW VOLTAGE LIGHT
	SWITCH, FAN
	SWITCH DIGITAL TIMER
	SWITCH DIGITAL TIMER
	OCCUPANCY SENSOR
	FLOOR DRAIN

ELECTRICAL / FIRE ALARM	
	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, WALL MOUNTED
	HEAT SENSOR
	HEAT AUDIO SENSOR
	SMOKE DETECTOR
	SMOKE DETECTOR - AUDIO
	CARBON DETECTOR
	EXIT LIGHT, WALL MOUNTED
	EXIT LIGHT, CEILING MOUNTED
HVAC	
	AC - SUPPLY/RETURN UNITS
	RETURN GRILLE
	SUPPLY GRILLE
FIRE PROTECTION	
	SPRINKLER - CONCEALED PENDANT
	SPRINKLER - DRY PENDANT HEAD
	SPRINKLER - UPRIGHT SPRINKLER HEAD

PREPARED BY:



REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 017 01
280 Elm Street South Dartmouth, MA 02748
978.371.7500 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM

DESIGNED BY: DSK

CHECKED BY: MPS

DSK JOB No.: TPS-1795 DATE: 3/31/2022

BETA JOB No.: 5530

SCALE

As indicated

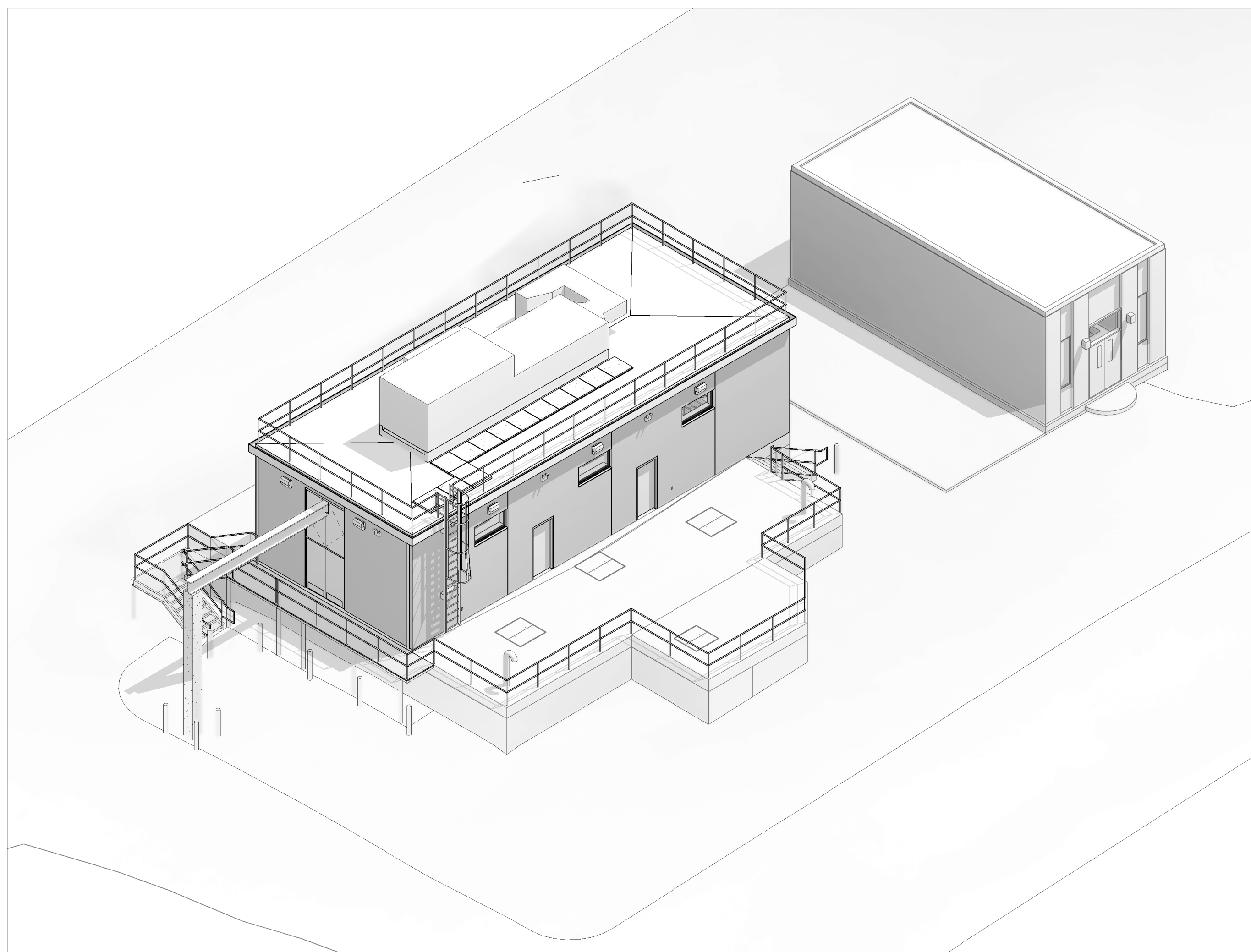
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

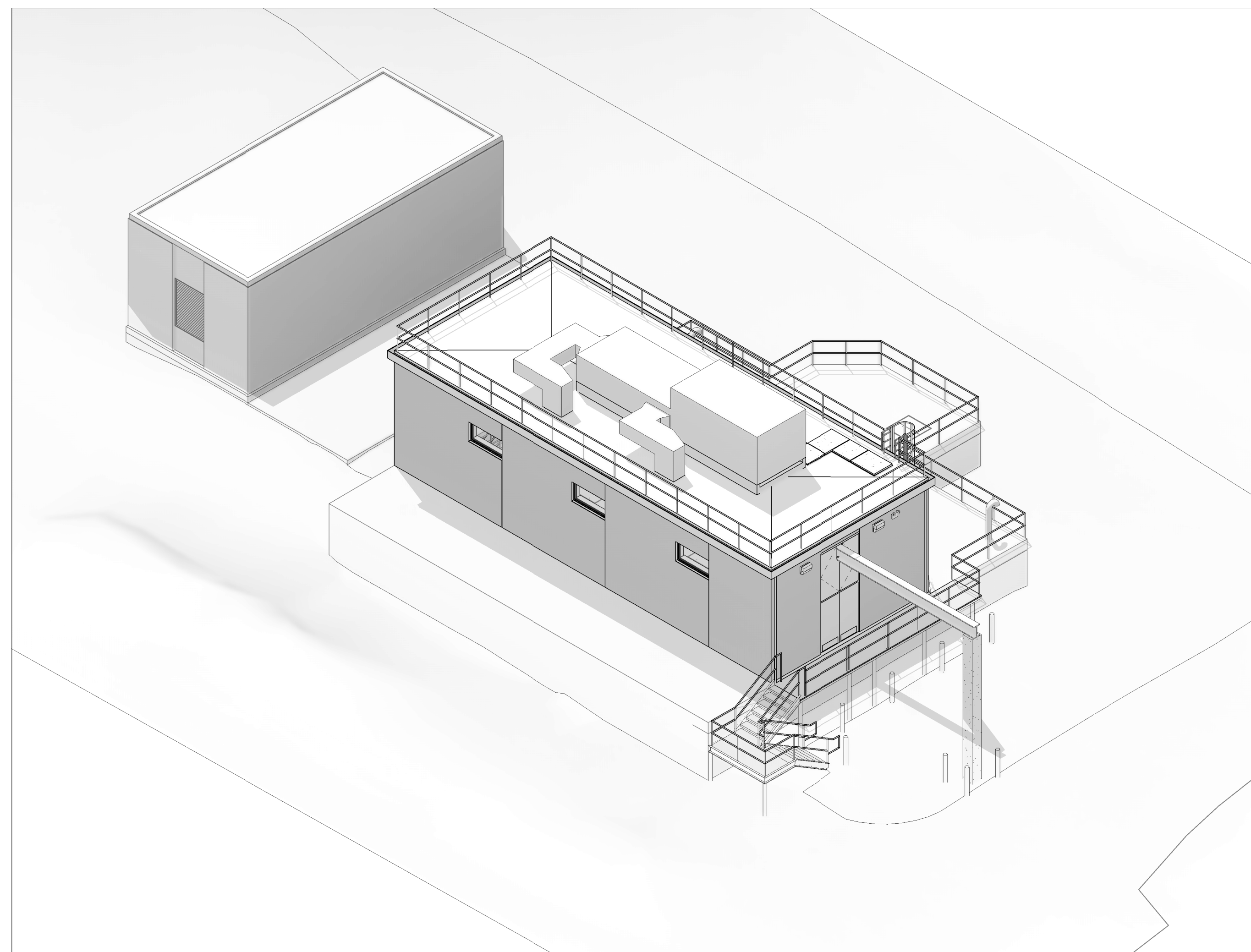
SHEET NO.

A-02

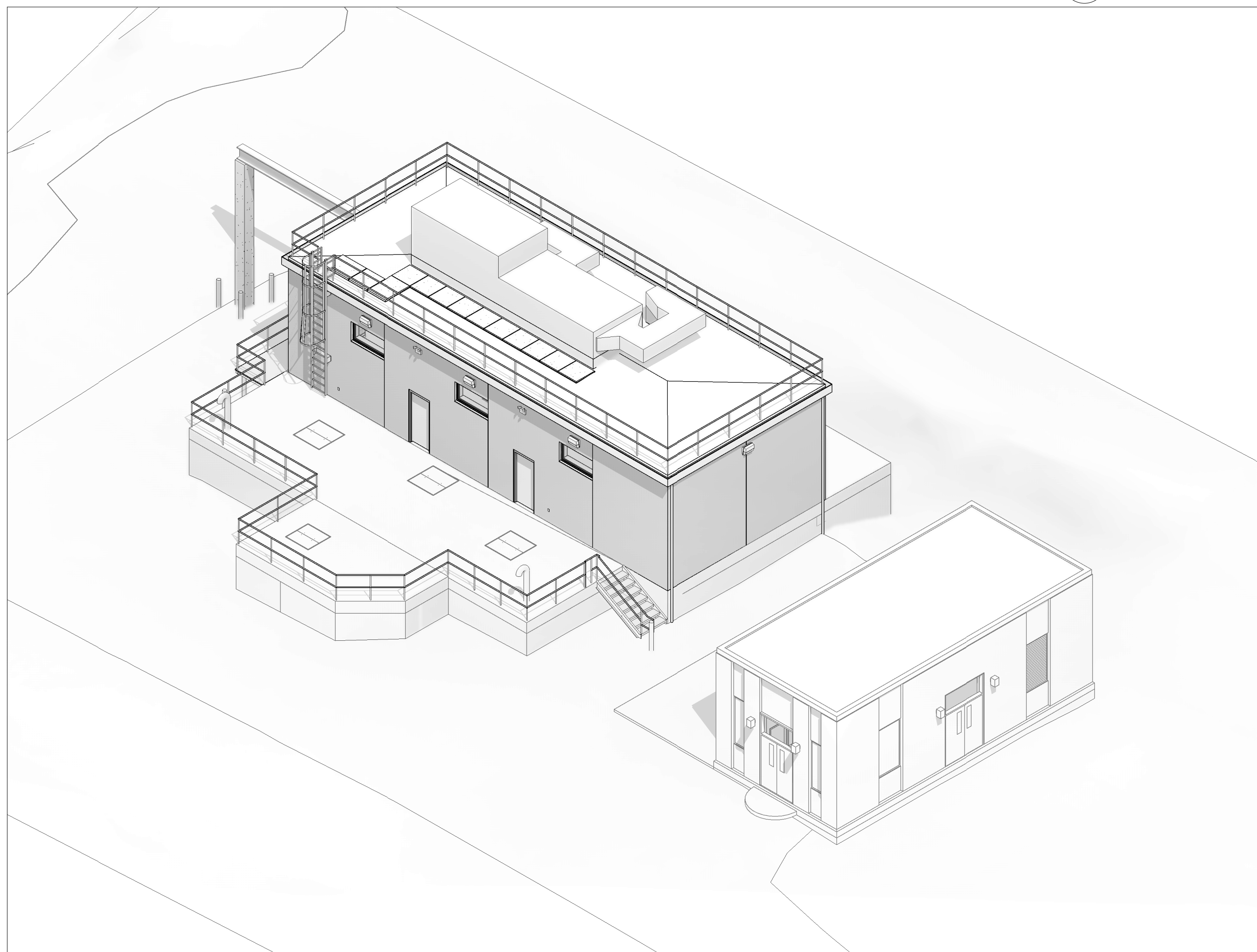
P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\601-REV\TITLEBLOCKS\KDC_Arch.D 24x36 Vertical Title - BETA



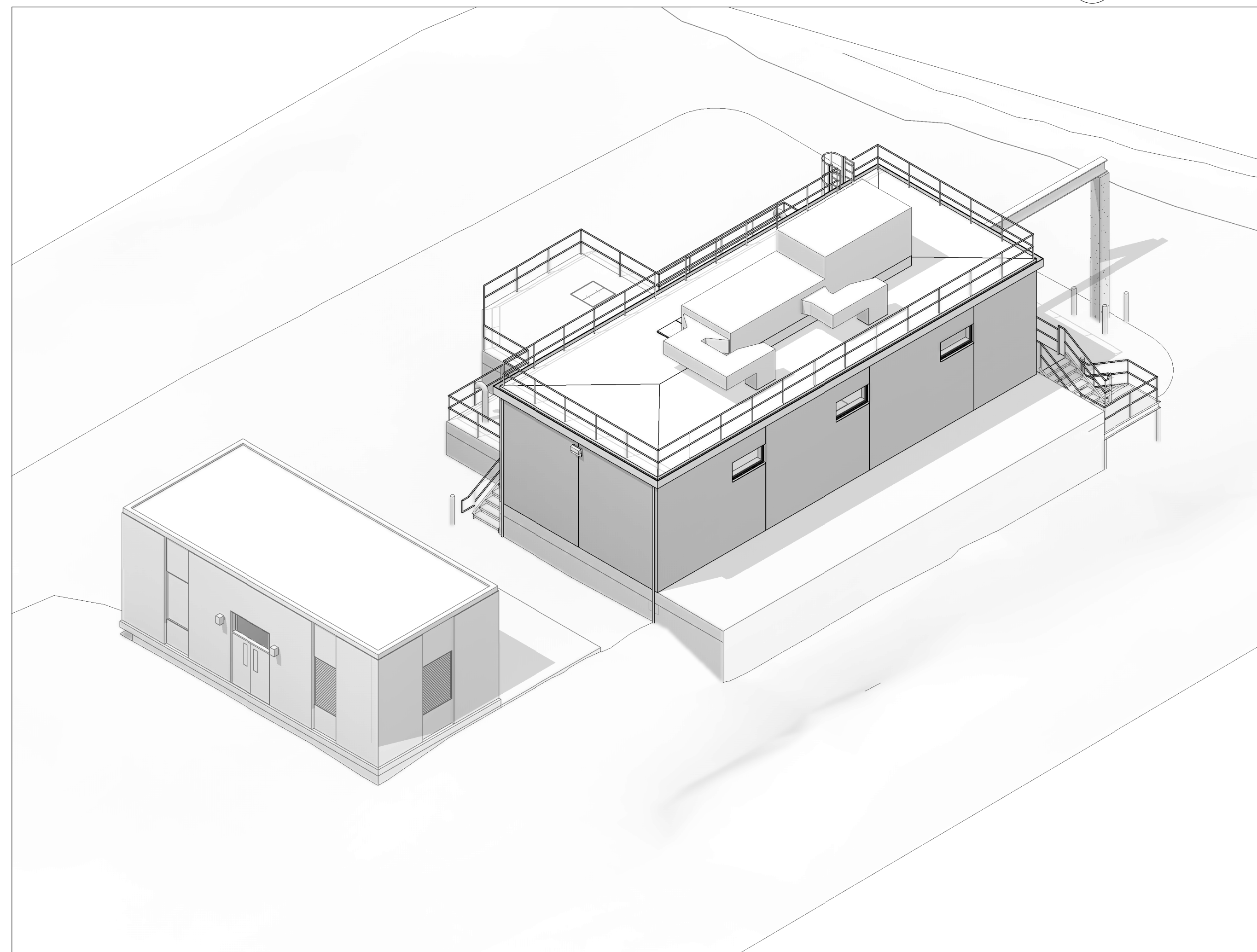
4 3D-SW-CORNER
NOT TO SCALE. FOR REFERENCE ONLY



2 3D-NW-CORNER
NOT TO SCALE. FOR REFERENCE ONLY



3 3D-SE-CORNER



1 3D-NE-CORNER
NOT TO SCALE. FOR REFERENCE ONLY

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:36 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

**MAIN LIFT
PUMP
STATION
IMPROVEMENTS**

TAUNTON, MA

TITLE

3D VIEWS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.

A-03

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\601-REV\TIFAMILIES\TITL\EBLOCK\KOC_Arch D 24x38 Vertical Title - BETA

RENOVATION NOTES	
NOTE	DESCRIPTION
1	REPLACE ALL EXISTING WINDOWS AND DOOR FRAMES AND UNITS W/ INSULATED, LAMINATED GLAZED UNITS OF SAME DIMENSIONS AND COLOR. SEE SPECS, TYP.
2	REPLACE ALL LOUVERS W/ NEW UNITS OF SAME DIMENSIONS AND FREE AREA. SEE SPECS, TYP.
3	POWER WASH BRICK AND SIDING. REPOINT AND REPLACE ANY DAMAGED OR MISSING MORTAR. COLOR TO MATCH EXISTING, TYP.
4	PROVIDE NEW LIGHTING AT DOORS TO MATCH EXISTING LOCATIONS (SEE ELECTRICAL LIGHTING SCHEDULE, TYP).
5	REMOVE AND REPLACE ROOF W/ SIMILAR SLOPE AND MATERIALS. ADD INSULATION TO ROOF ASSEMBLY PER CODE, TYP.
6	PROVIDE NEW INTERIOR PAINT ON EXISTING INTERIOR WALLS THAT CURRENTLY HAVE PAINT. SEE SPECS, TYP. VERIFY IN FIELD, TYP. PROPERLY PREPARE AND PRIME EXISTING SURFACES TO RECEIVE NEW PAINT, TYP.

EXISTING WINDOW AND LOUVER SCHEDULE														
WINDOW NUMBER	WINDOW TYPE	LOCATION		WINDOW SIZE		FRAME MATERIAL		FINISH			MATERIAL		NOTES	
		ROOM NUMBER	ROOM NAME	WIDTH	HEIGHT	EXT	INT	GLAZING	EXT	INT	LOUVER	SILL TYPE		HEAD TYPE
WINDOW														
EXIST. STATION														
EX-01		EX-102	EXISTING WC	2'-0"	6'-8"									
EX-02		EX-101	EXISTING PUMP STATION CONTROL ROOM	2'-0"	6'-8"									
EX-03		EX-101	EXISTING PUMP STATION CONTROL ROOM	3'-10"	6'-8"									
LOUVER														
EXIST. STATION														
EX-04		EX-101	EXISTING PUMP STATION CONTROL ROOM	3'-10"	6'-8"									
EX-05		EX-101	EXISTING PUMP STATION CONTROL ROOM	5'-0"	6'-8"									
EXISTING PUMP STATION - DOOR SCHEDULE														
DOOR NUMBER	DOOR TYPE	LOCATION		DOOR			FRAME							NOTES
		ROOM NUMBER	ROOM NAME	PANEL SIZE	PANEL TOTAL PANEL	THICKNESS	COUNT	MAT'L	FINISH	GLAZING TYPE	FRAME TYPE	THRESHOLD TYPE	GASKET	
EXIST. STATION														
EX-D-01														
EX-D-02														
EX-D-03	FL			INT	2'-8"	6'-8"	0'-1 3/4"	1	STEEL	N/A	B		Yes	HD-5

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:39 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

EXISTING SEWAGE PUMP STATION DRAWINGS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

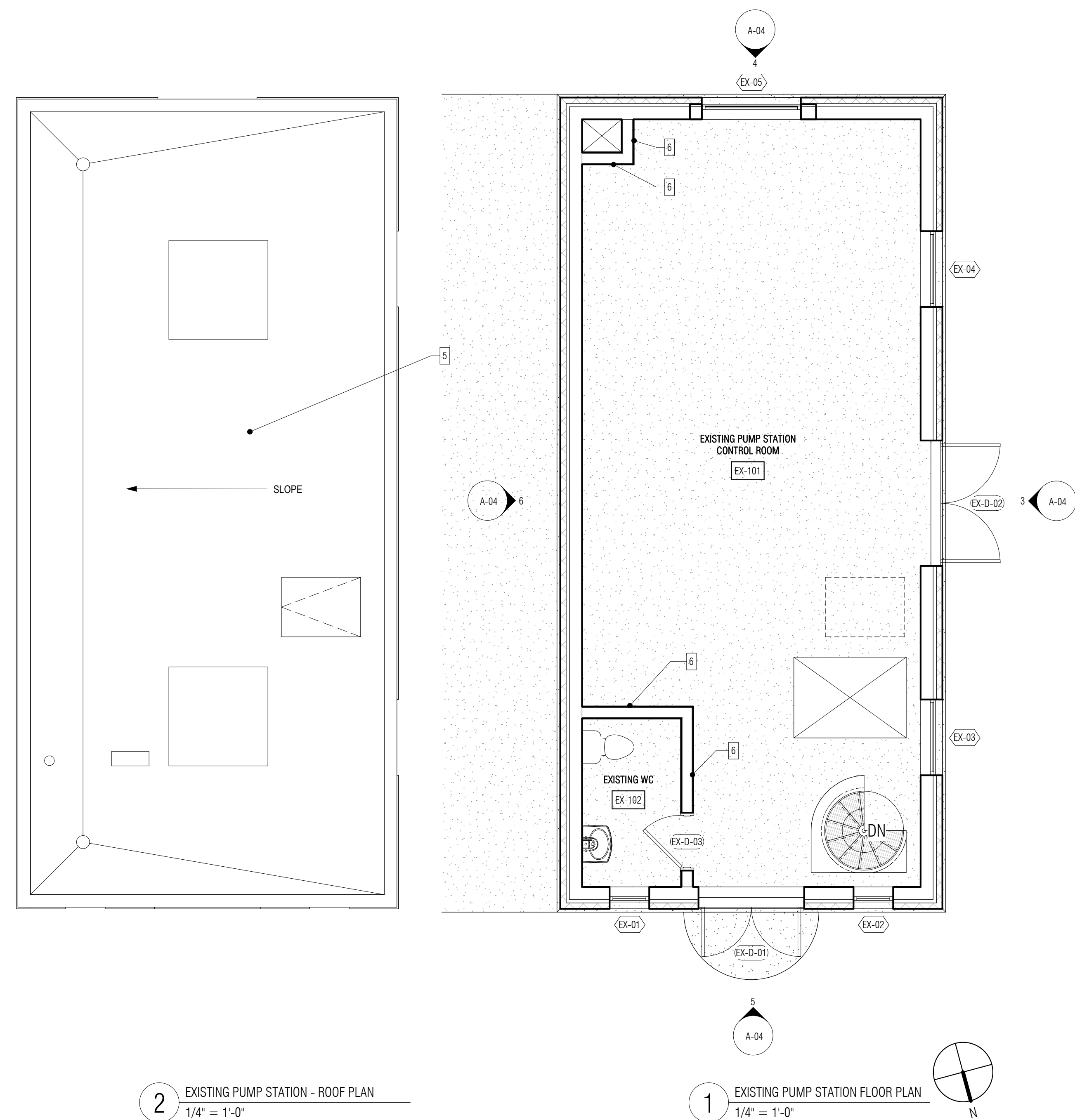
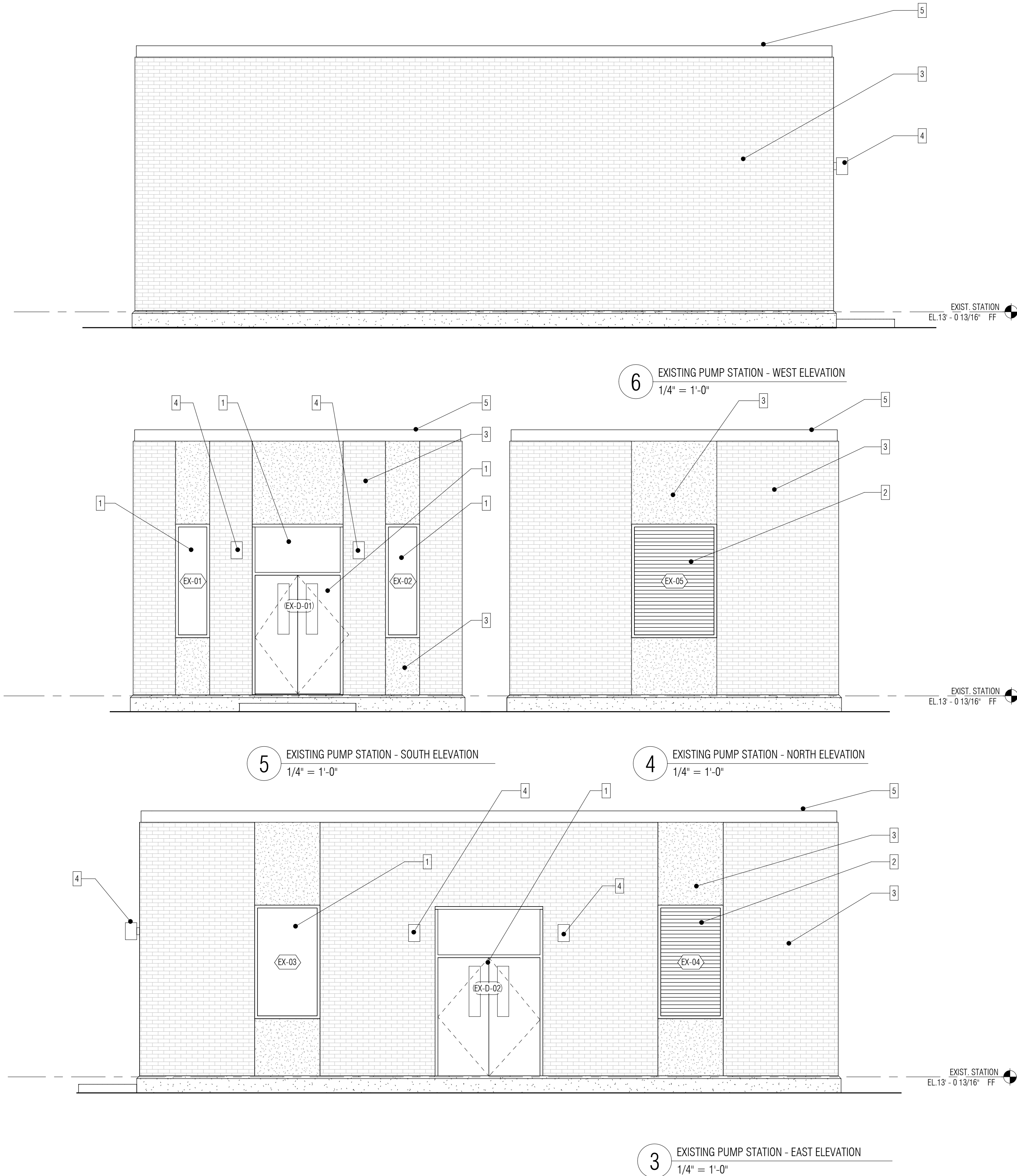
1/4" = 1'-0"

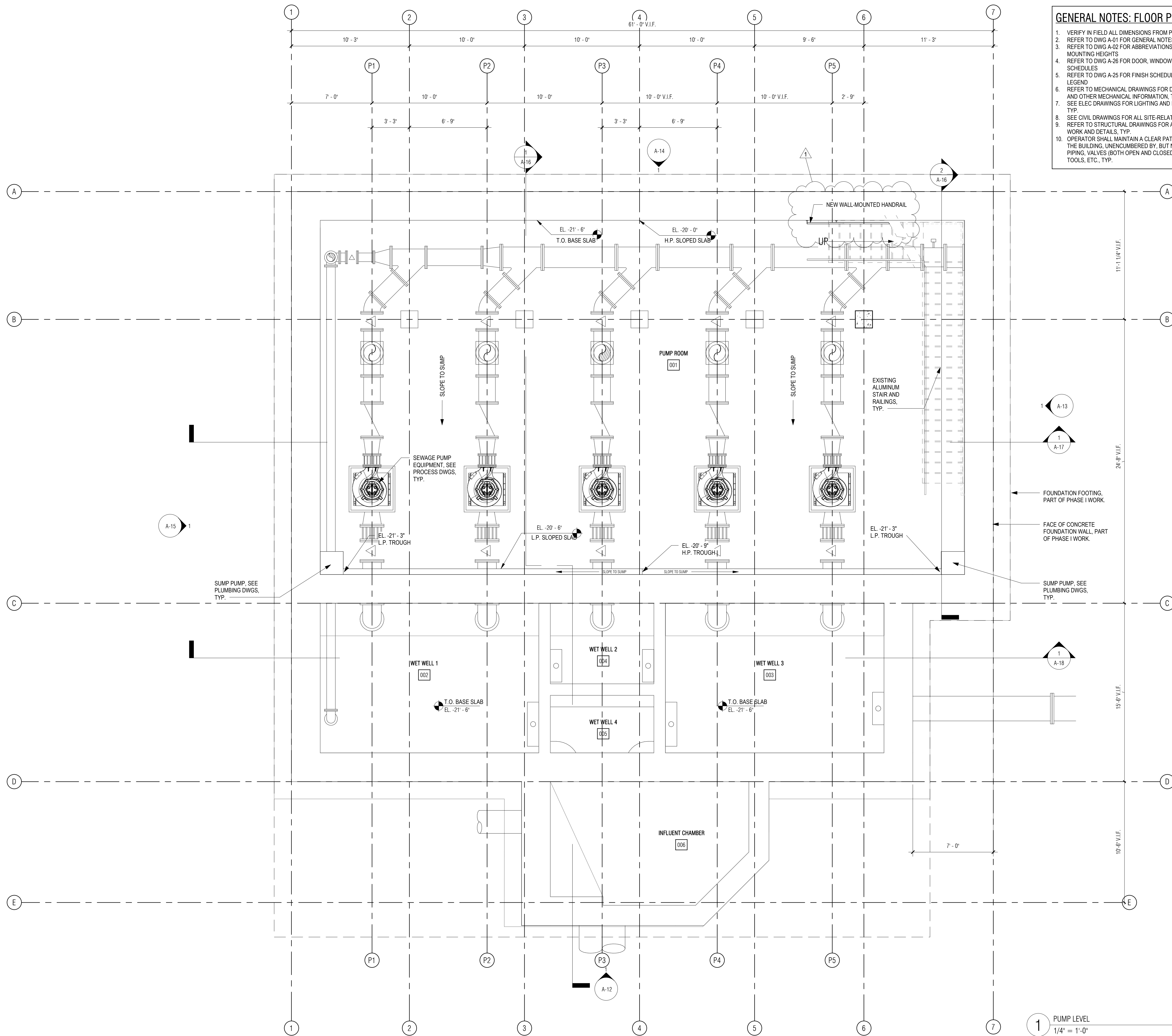
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.


A-04






- GENERAL NOTES: FLOOR PLANS**
1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE I WORK.
 2. REFER TO DWG A-01 FOR GENERAL NOTES.
 3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS.
 4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES.
 5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND.
 6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
 7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
 8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
 9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
 10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:41 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

PUMP ROOM LEVEL PLAN

REVISIONS

NO.	DESCRIPTION	DATE
1	08/30/2021	Railing

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

As indicated

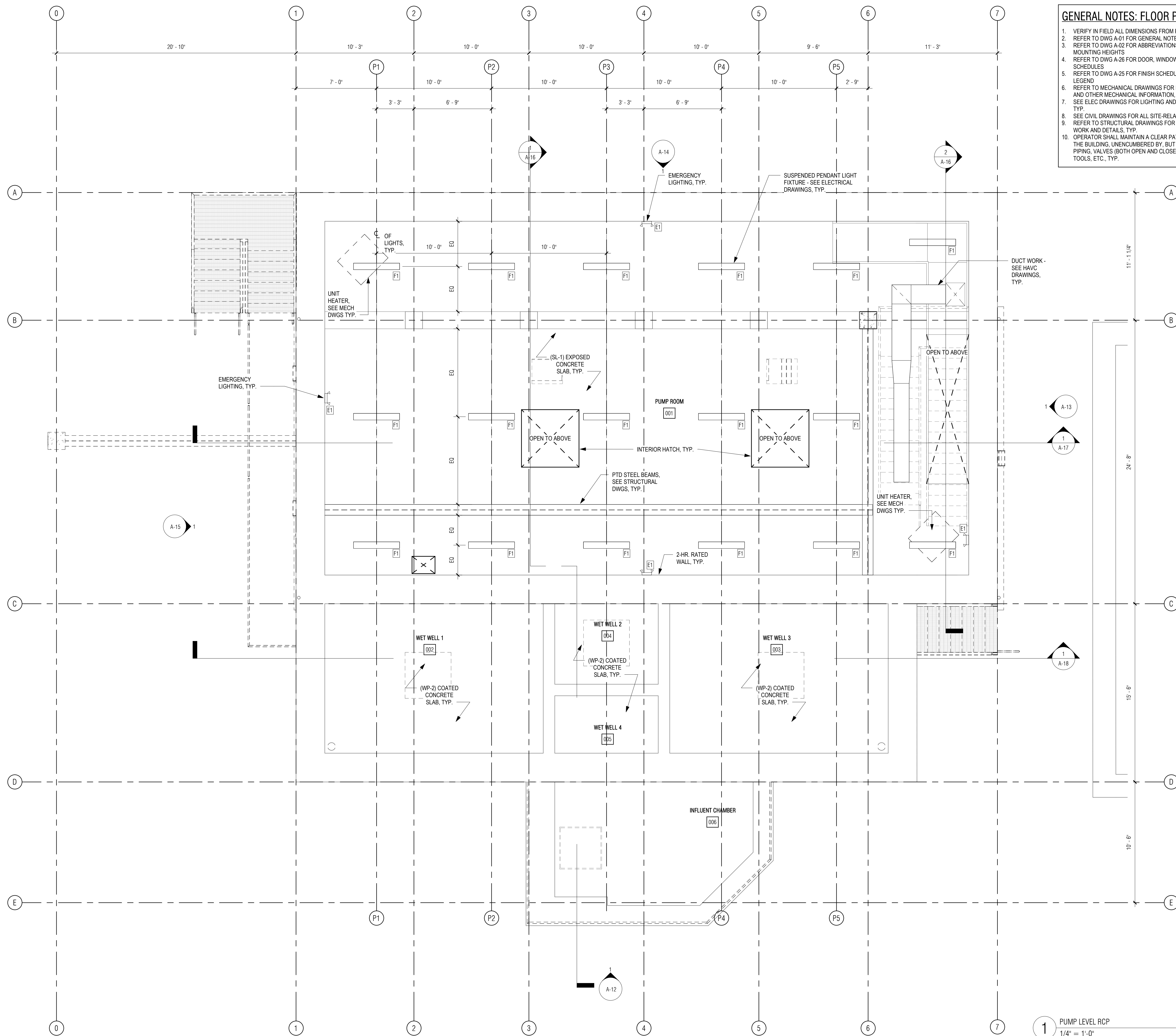
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO. **A-05**

1 PUMP LEVEL
1/4" = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWGS\601-REV\T\FAMILIES\TITLEBLOCKS\KOC_Arch.D 24x36 Vertical Title - BETA



GENERAL NOTES: FLOOR PLANS

1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE I WORK.
2. REFER TO DWG A-01 FOR GENERAL NOTES.
3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS.
4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES.
5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND.
6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:42 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

**MAIN LIFT
PUMP
STATION
IMPROVEMENTS**

TAUNTON, MA

TITLE

**PUMP ROOM LEVEL
RCP**

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

As indicated

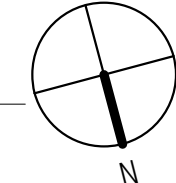
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

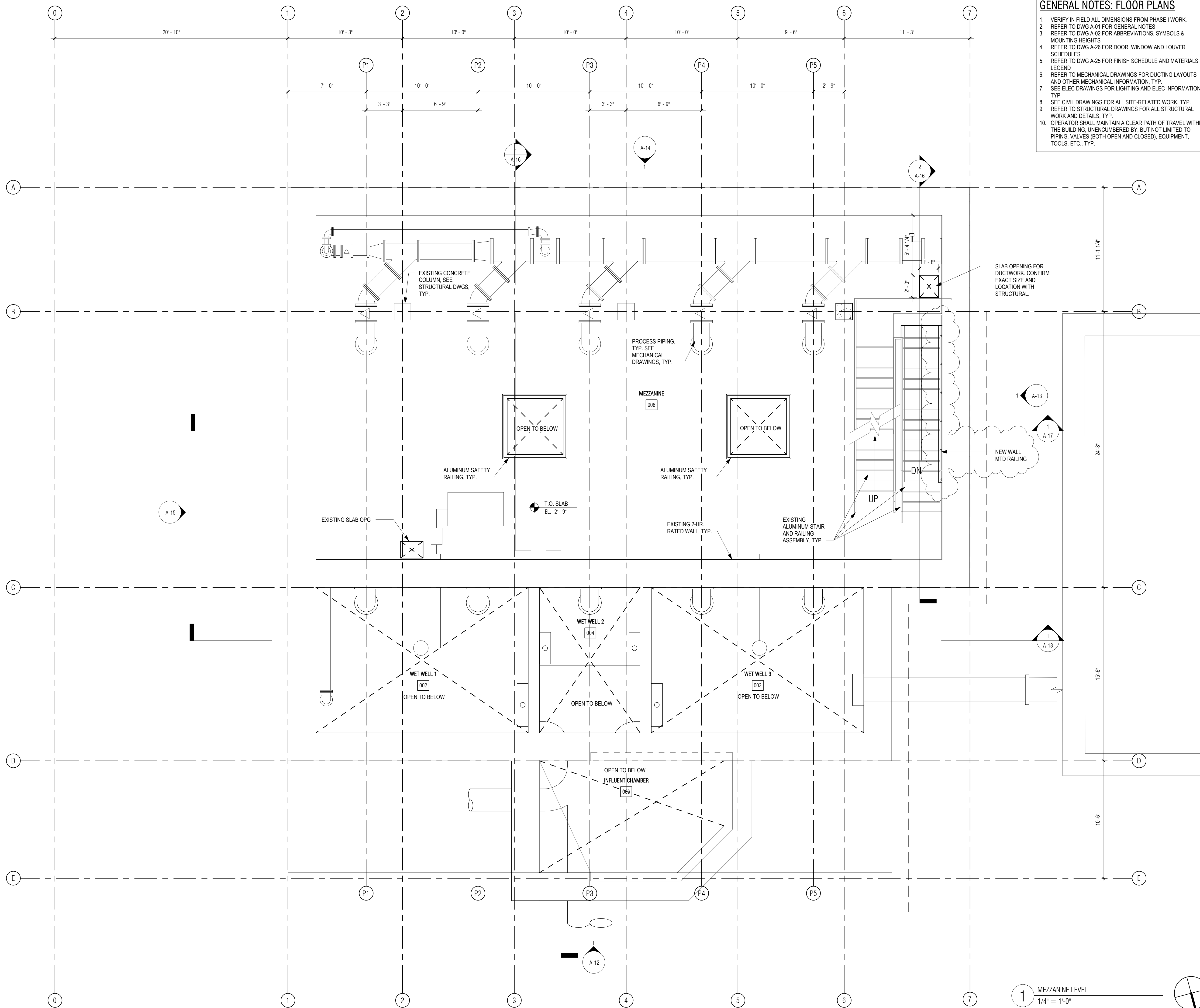
SHEET NO.

A-06

1 PUMP LEVEL RCP
1/4" = 1'-0"



P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-FAMILIES\TITLEBLOCKS\KDC_Arch.D 24x36 Vertical Title - BETA




- GENERAL NOTES: FLOOR PLANS**
1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE I WORK.
 2. REFER TO DWG A-01 FOR GENERAL NOTES
 3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
 4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES
 5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND
 6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
 7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
 8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
 9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
 10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:13:33 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

PUMP ROOM MEZZANINE LEVEL PLAN

REVISIONS

NO.	DESCRIPTION	DATE
1	08/30/2021 Railing	

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

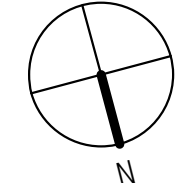
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

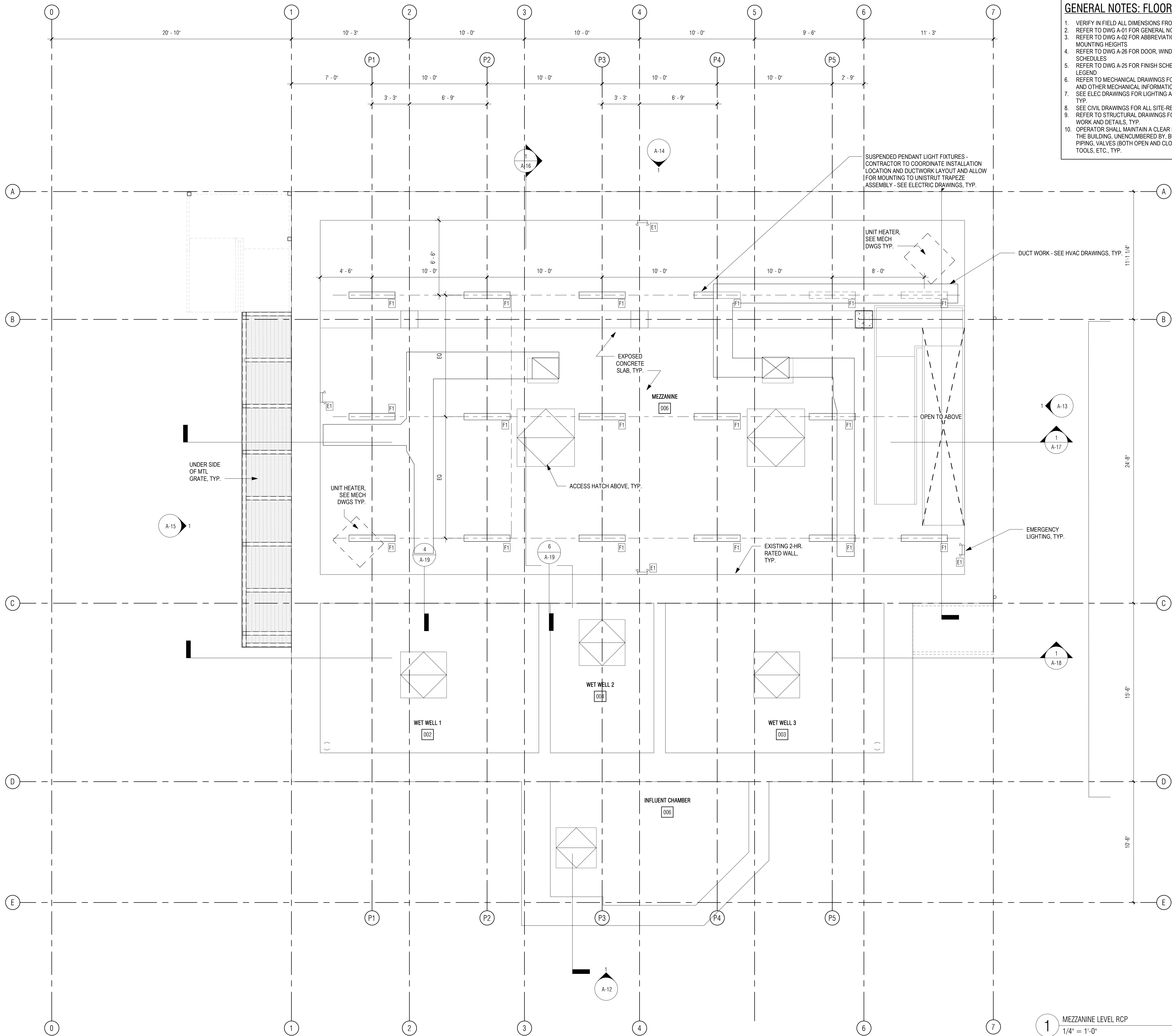
CONTRACT 2

SHEET NO. **A-07**

1 MEZZANINE LEVEL
1/4" = 1'-0"



P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-FAMILIES\TITLEBLOCKS\KOC_Arch.D 24x36 Vertical Title - BETA



- GENERAL NOTES: FLOOR PLANS**
1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE I WORK.
 2. REFER TO DWG A-01 FOR GENERAL NOTES.
 3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS.
 4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES.
 5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND.
 6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
 7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
 8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
 9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
 10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:

www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:45 PM

REGISTERED PROFESSIONAL

SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

PUMP ROOM MEZZANINE LEVEL REFLECTED CEILING PLAN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

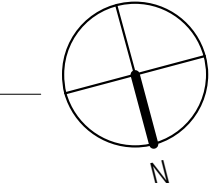
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

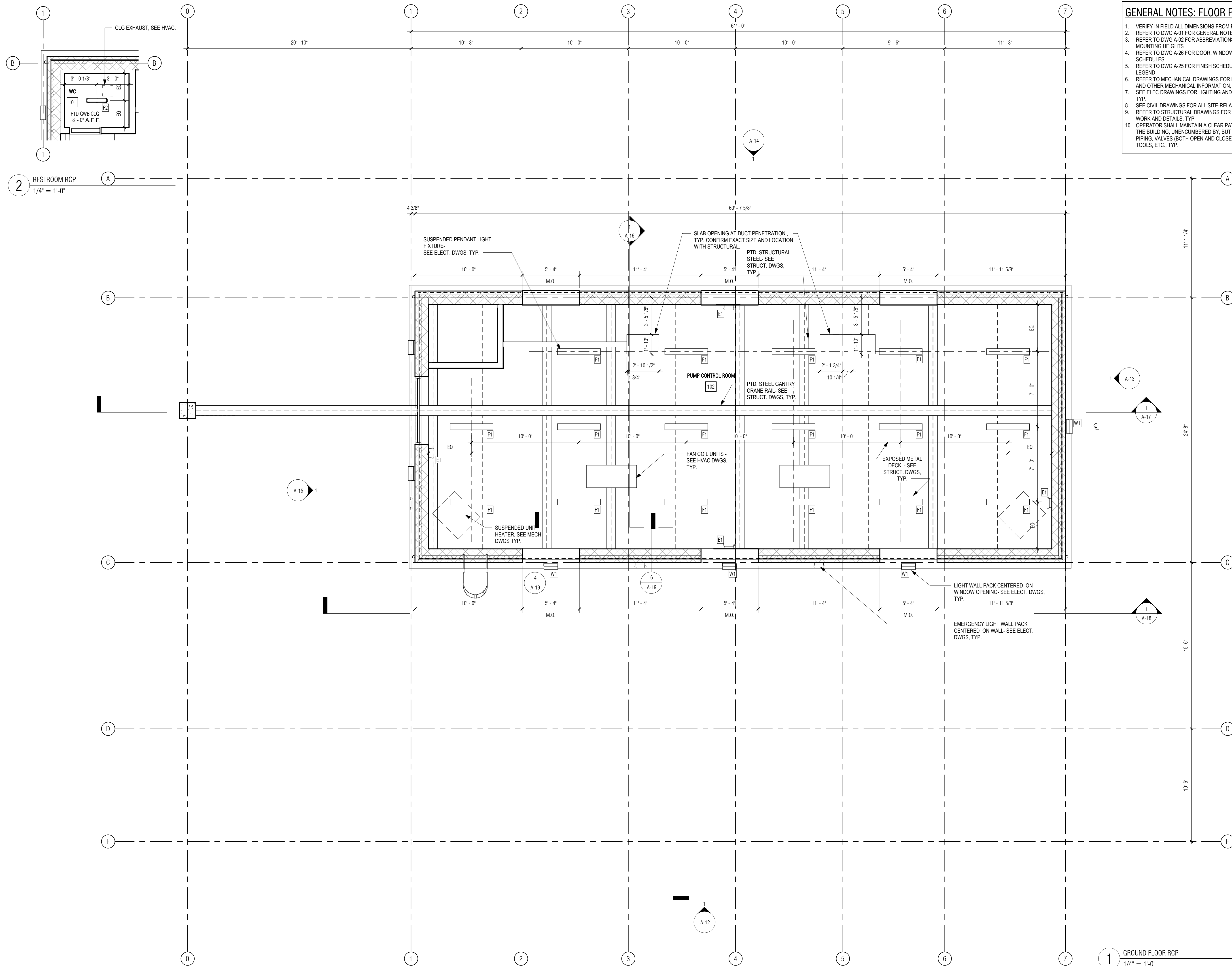
CONTRACT 2

SHEET NO. **A-08**

1 MEZZANINE LEVEL RCP
1/4" = 1'-0"



P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-DWG\601-REV\TITLEBLOCKS\KDC_Arch_D 24x36 Vertical Title - BETA



GENERAL NOTES: FLOOR PLANS

1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE 1 WORK.
2. REFER TO DWG A-01 FOR GENERAL NOTES.
3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS.
4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES.
5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND.
6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:48 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B
Concord, MA 01742
978.371.7500

280 Elm Street
South Dartmouth, MA 02748
508.999.0440

PROJECT

**MAIN LIFT
PUMP
STATION
IMPROVEMENTS**

TAUNTON, MA

TITLE

**GROUND FLOOR
AND WC REFLECTED
CEILING PLANS**

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

As indicated

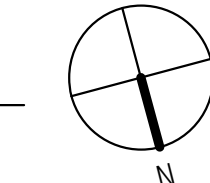
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

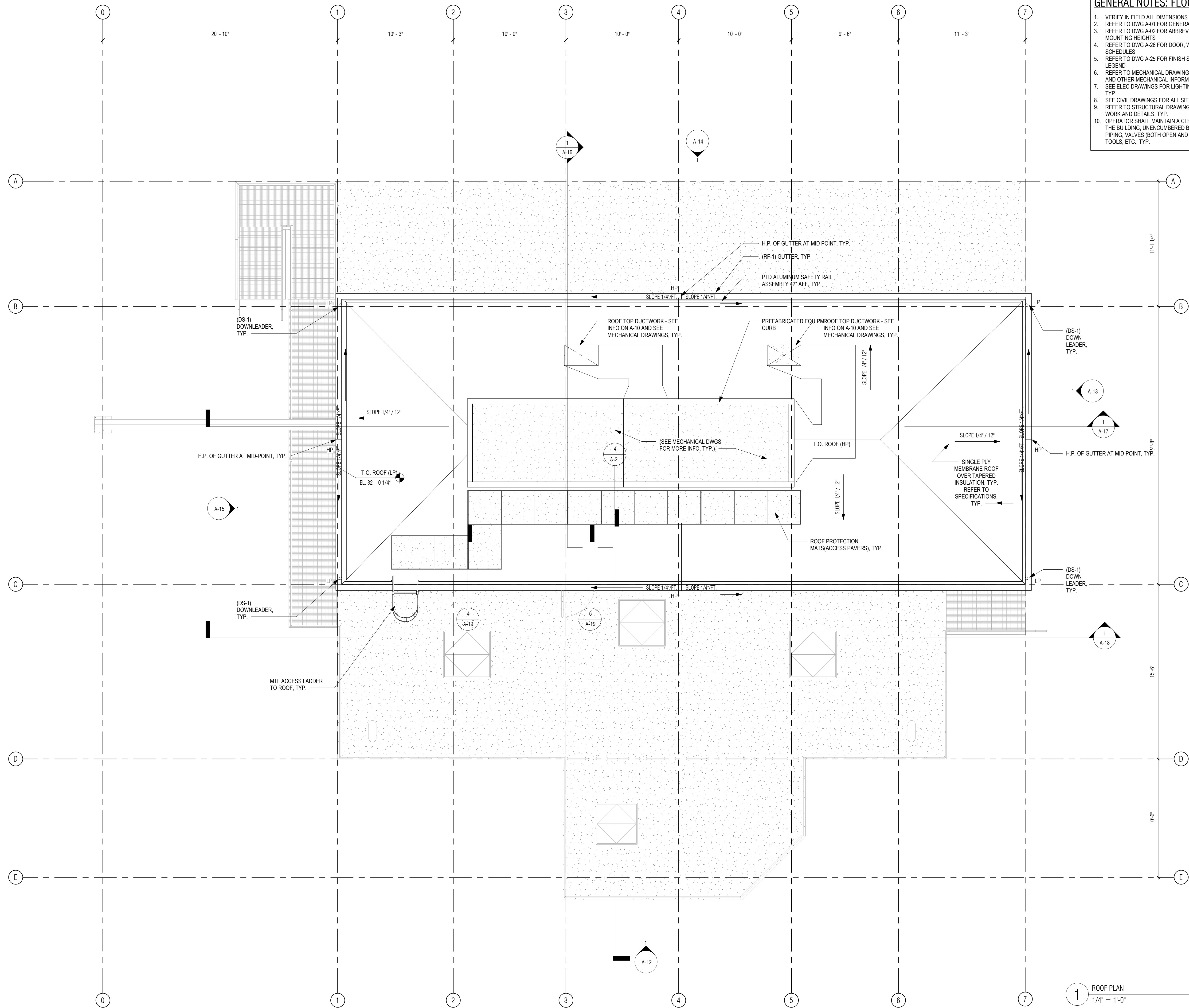
SHEET NO.

A-10

1 GROUND FLOOR RCP
1/4" = 1'-0"



P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-REV\TITLEBLOCKS\KDC_Arch D 24x36 Vertical Title - BETA



- GENERAL NOTES: FLOOR PLANS**
1. VERIFY IN FIELD ALL DIMENSIONS FROM PHASE I WORK.
 2. REFER TO DWG A-01 FOR GENERAL NOTES.
 3. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS.
 4. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES.
 5. REFER TO DWG A-25 FOR FINISH SCHEDULE AND MATERIALS LEGEND.
 6. REFER TO MECHANICAL DRAWINGS FOR DUCTING LAYOUTS AND OTHER MECHANICAL INFORMATION, TYP.
 7. SEE ELEC DRAWINGS FOR LIGHTING AND ELEC INFORMATION, TYP.
 8. SEE CIVIL DRAWINGS FOR ALL SITE-RELATED WORK, TYP.
 9. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL WORK AND DETAILS, TYP.
 10. OPERATOR SHALL MAINTAIN A CLEAR PATH OF TRAVEL WITHIN THE BUILDING, UNENCUMBERED BY, BUT NOT LIMITED TO PIPING, VALVES (BOTH OPEN AND CLOSED), EQUIPMENT, TOOLS, ETC., TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:49 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

ROOF PLAN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY:	TM
DESIGNED BY:	DSK
CHECKED BY:	MPS
DSK JOB No.:	TPS-1795
DATE:	3/31/2022
BETA JOB No.:	5530

SCALE

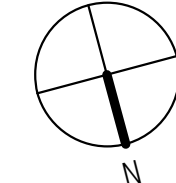
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2


SHEET NO. **A-11**


1 ROOF PLAN
1/4" = 1'-0"




GENERAL NOTES: EXTERIOR ELEVATIONS

- REFER TO DWG A-1 FOR GENERAL NOTES
- REFER TO DWG A-2 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
- REFER TO DWG A-12 FOR TYPICAL ANNOTATIONS
- REFER TO DWG A-25 FOR DOOR, WINDOW AND LOUVER SCHEDULES
- REFER TO DWG A-26 FOR FINISH SCHEDULE AND MATERIALS
- REFER TO CIVIL DRAWINGS FOR FINISH GRADES, TYP.

PREPARED BY:

 www.BETA-Inc.com
 PLOT DATE: 8/29/2021 3:59:51 PM

REGISTERED PROFESSIONAL


SUBCONSULTANT:
 **Dewing Schmid Kearns**
 ARCHITECTS + PLANNERS
 30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
 280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE
NORTH EXTERIOR ELEVATION

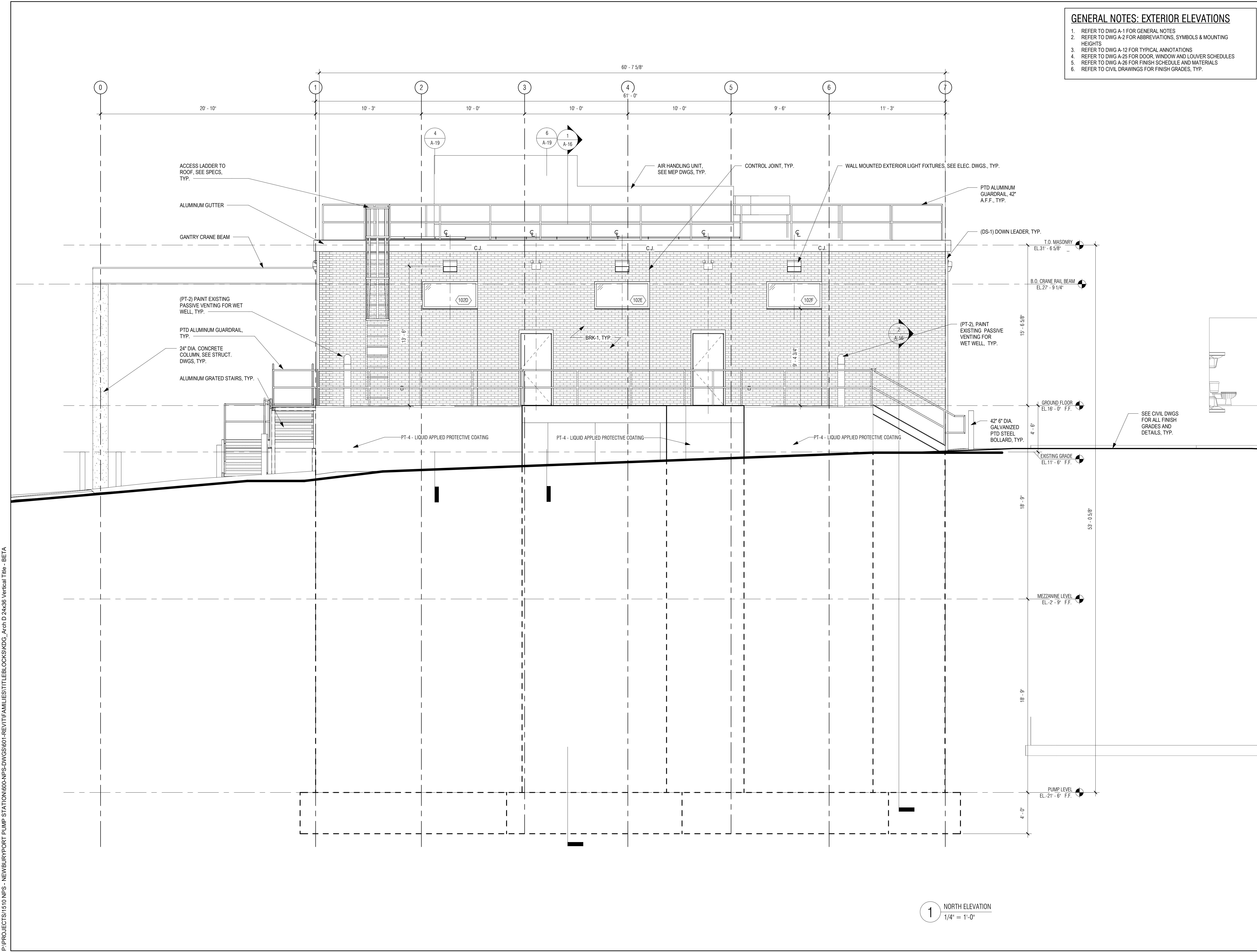
REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
 DESIGNED BY: DSK
 CHECKED BY: MPS
 DSK JOB No.: TPS-1795 DATE: 3/31/2022
 BETA JOB No.: 5530

SCALE
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
CONTRACT 2
 SHEET NO.
A-12

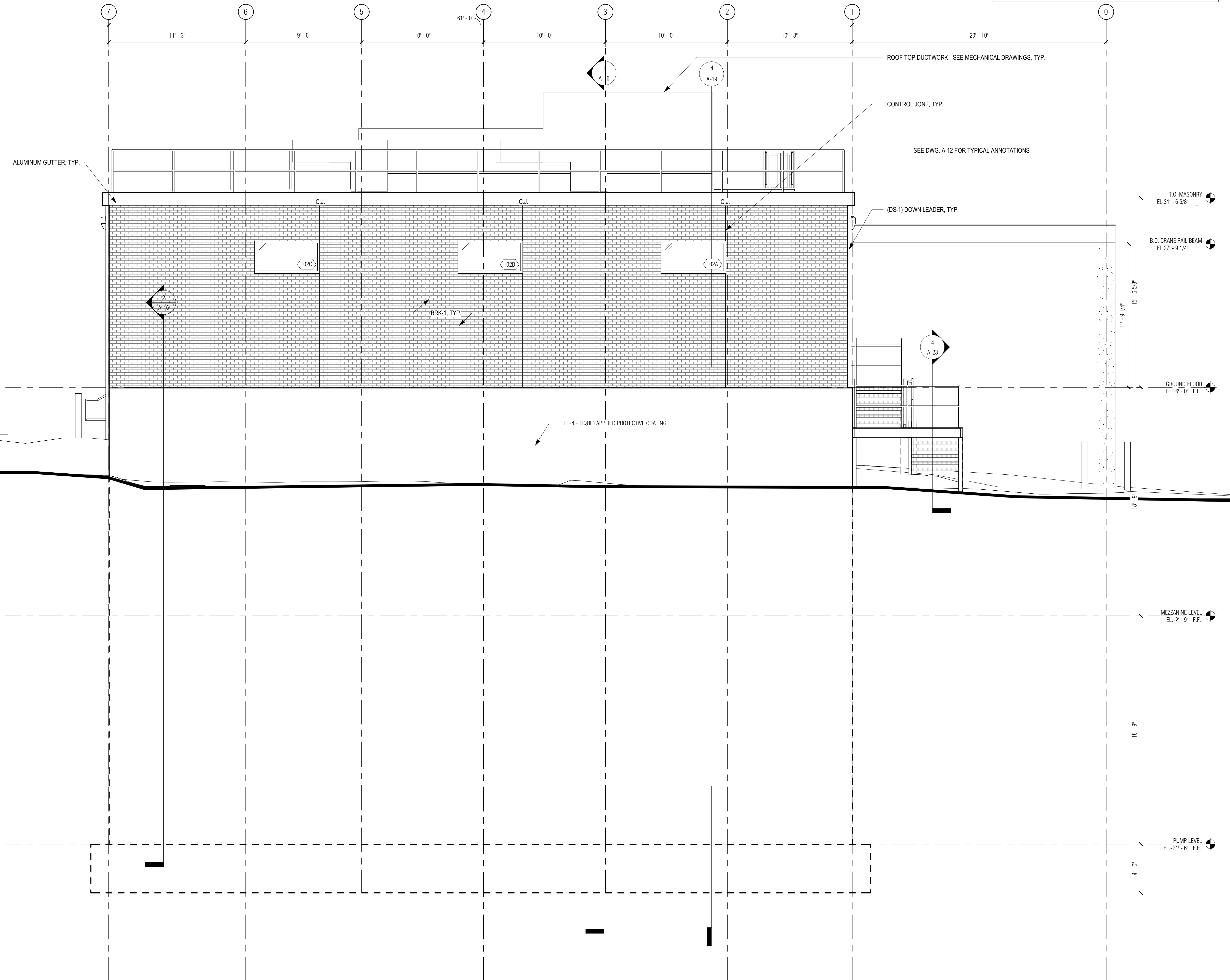


1 NORTH ELEVATION
 1/4" = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\601-REV\T\FAMILIES\TITLEBLOCK\KDCG_Arch.D 24x36 Vertical Title - BETA

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-DWG\601-REV\T\FAMILIES\TITLEBLOCKS\KOC_Arch.D 24x36_Verical Title - BETA

- GENERAL NOTES: EXTERIOR ELEVATIONS**
1. REFER TO DWG A-1 FOR GENERAL NOTES
 2. REFER TO DWG A-2 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
 3. REFER TO DWG A-12 FOR TYPICAL ANNOTATIONS
 4. REFER TO DWG A-25 FOR DOOR, WINDOW AND LOUVER SCHEDULES
 5. REFER TO DWG A-26 FOR FINISH SCHEDULE AND MATERIALS
 6. REFER TO CIVIL DRAWINGS FOR FINISH GRADES, TYP.



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

PREPARED BY:

BETA
www.BETA-Inc.com
PLOT DATE: 8/29/2021 3:59:54 PM

REGISTERED PROFESSIONAL

SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

SOUTH EXTERIOR ELEVATION

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

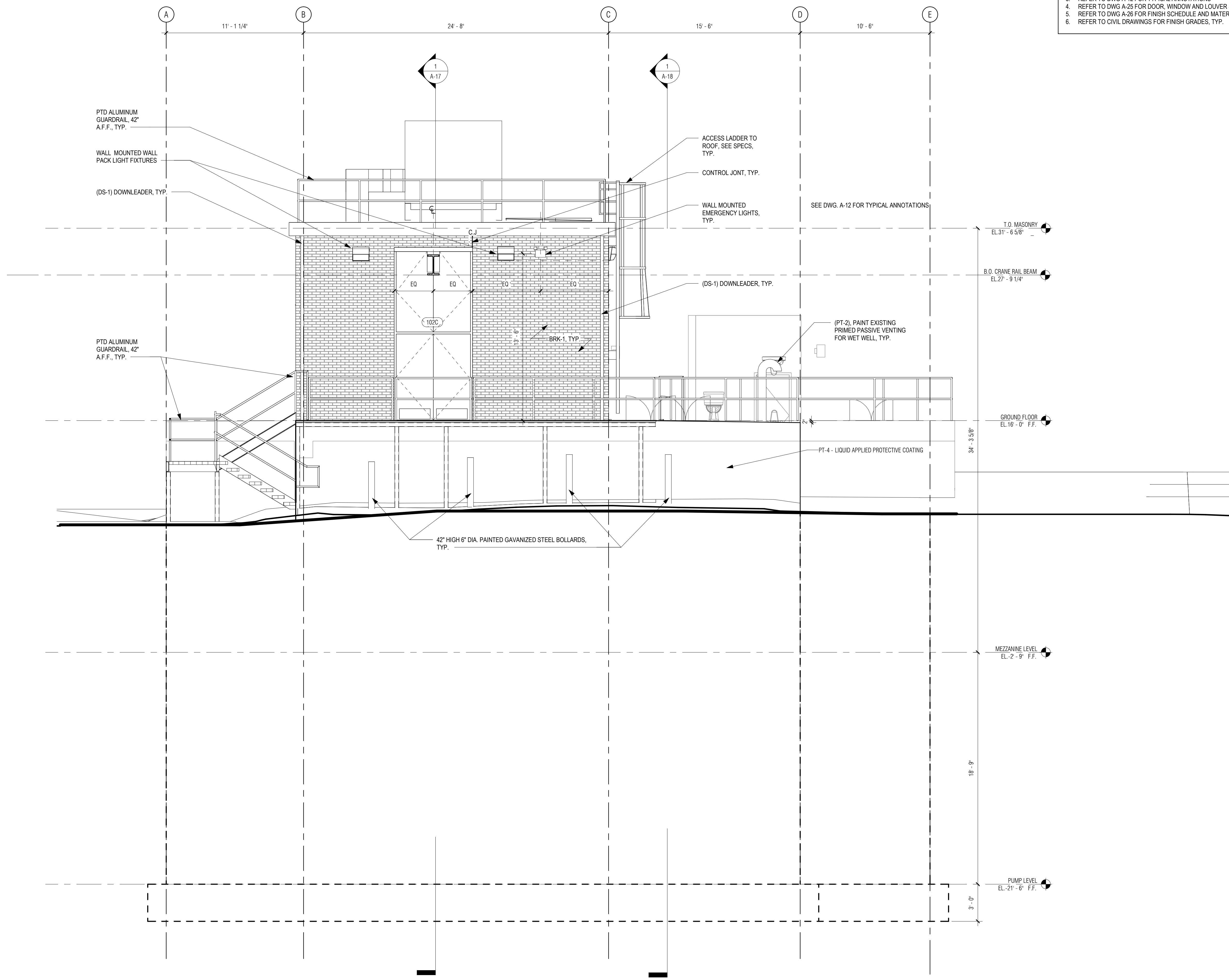
CONTRACT 2

SHEET NO. **A-14**

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-DWG\600-NPS-DWG\600-NPS-DWG_Veritical Title - BETA

GENERAL NOTES: EXTERIOR ELEVATIONS

1. REFER TO DWG A-1 FOR GENERAL NOTES
2. REFER TO DWG A-2 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
3. REFER TO DWG A-12 FOR TYPICAL ANNOTATIONS
4. REFER TO DWG A-25 FOR DOOR, WINDOW AND LOUVER SCHEDULES
5. REFER TO DWG A-26 FOR FINISH SCHEDULE AND MATERIALS
6. REFER TO CIVIL DRAWINGS FOR FINISH GRADES, TYP.



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

PREPARED BY:



REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS
30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

EAST EXTERIOR ELEVATION

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION


CONTRACT 2


SHEET NO.


A-15

GENERAL NOTES: BUILDING SECTIONS

1. REFER TO DWG A-01 FOR GENERAL NOTES
2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
3. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES
4. REFER TO DWG A-27 FOR FINISH SCHEDULE AND MATERIALS
5. PIPING AND DUCT WORK SHOWN FOR DIAGRAMMATIC PURPOSES, REFER TO ENGINEER DWGS FOR DETAILS

PREPARED BY:

 www.BETA-inc.com
 PLOT DATE: 8/29/2021 3:59:58 PM

REGISTERED PROFESSIONAL


SUBCONSULTANT:
 **Dewing Schmid Kearns**
 ARCHITECTS + PLANNERS
 30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
 280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS
 TAUNTON, MA

TITLE
BUILDING SECTIONS

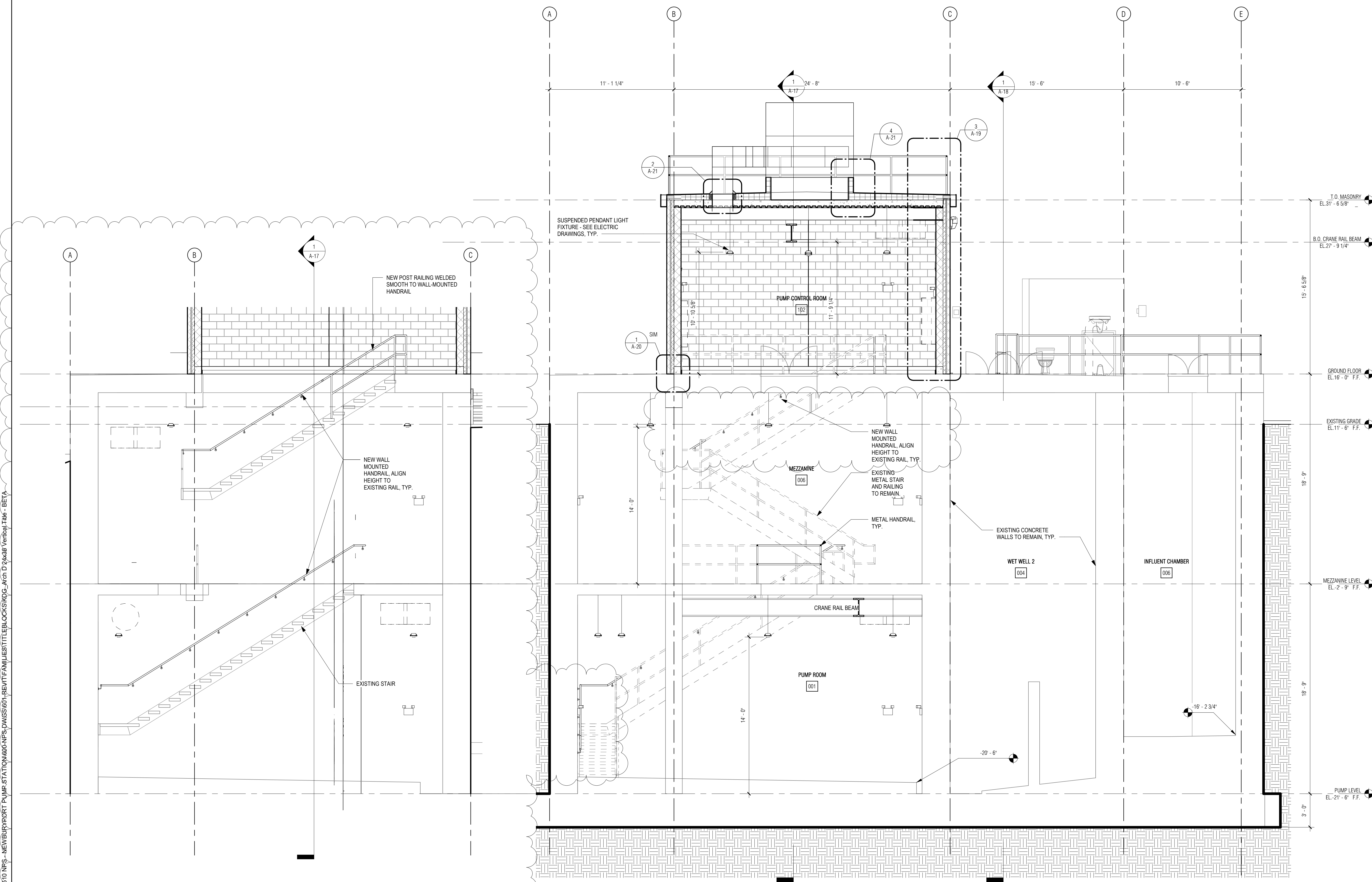
REVISIONS

NO.	DESCRIPTION	DATE
1	08/30/2021 Railing	

DRAWN BY: TM
 DESIGNED BY: DSK
 CHECKED BY: MPS
 DSK JOB No.: TPS-1795 DATE: 3/31/2022
 BETA JOB No.: 5530

SCALE
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
CONTRACT 2
 SHEET NO. **A-16**



2 WALL MOUNTED HANDRAIL ELEVATION
 1/4" = 1'-0"

1 NORTH-SOUTH SECTION
 1/4" = 1'-0"


P:\PROJECTS\1510 NPS - NEWBURGHPORT PUMP STATION\600-NPS-DWG\510-NPS-REV\FAMILY\EST\TITLEBLOCK\SI\DOC_Arch D 24x36 Vertical Title - BETA


P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-DWG\600-NPS-DWG_Verical Title - BETA

GENERAL NOTES: BUILDING SECTIONS
 1. REFER TO DWG A-01 FOR GENERAL NOTES
 2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
 3. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES
 4. REFER TO DWG A-27 FOR FINISH SCHEDULE AND MATERIALS
 5. PIPING AND DUCT WORK SHOWN FOR DIAGRAMMATIC PURPOSES, REFER TO ENGINEER DWGS FOR DETAILS

PREPARED BY:

 www.BETA-inc.com
 PLOT DATE: 8/29/2021 4:00:00 PM

REGISTERED PROFESSIONAL


SUBCONSULTANT:
 **Dewing Schmid Kearns**
 ARCHITECTS + PLANNERS
 30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
 280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS
TAUNTON, MA

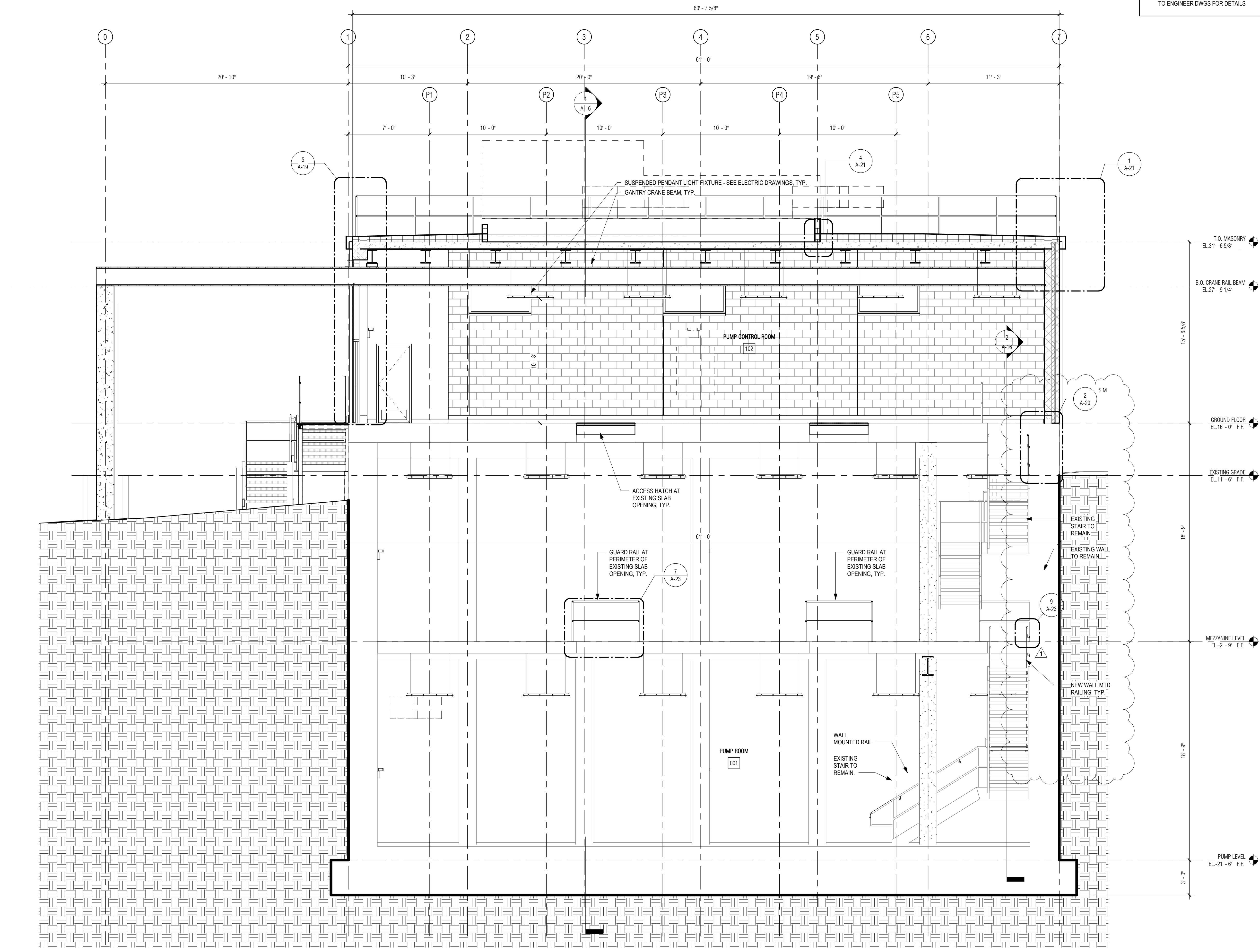
TITLE
BUILDING SECTIONS

REVISIONS

NO.	DESCRIPTION	DATE
1	08/30/2021	Railing

DRAWN BY: TM
 DESIGNED BY: DSK
 CHECKED BY: MPS
 DSK JOB No.: TPS-1795 DATE: 3/31/2022
 BETA JOB No.: 5530

SCALE
As indicated
 UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
CONTRACT 2
 SHEET NO. **A-17**



1 EAST-WEST SECTION THROUGH PUMP RM
 1/4" = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-FAMILIES\TITLEBLOCKS\KOC_Arch D 24x36 Vertical Title - BETA

GENERAL NOTES: BUILDING SECTIONS

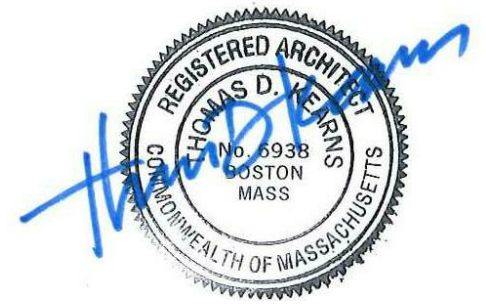
1. REFER TO DWG A-01 FOR GENERAL NOTES
2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
3. REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES
4. REFER TO DWG A-27 FOR FINISH SCHEDULE AND MATERIALS
5. PIPING AND DUCT WORK SHOWN FOR DIAGRAMMATIC PURPOSES, REFER TO ENGINEER DWGS FOR DETAILS

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:00:02 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

BUILDING SECTIONS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

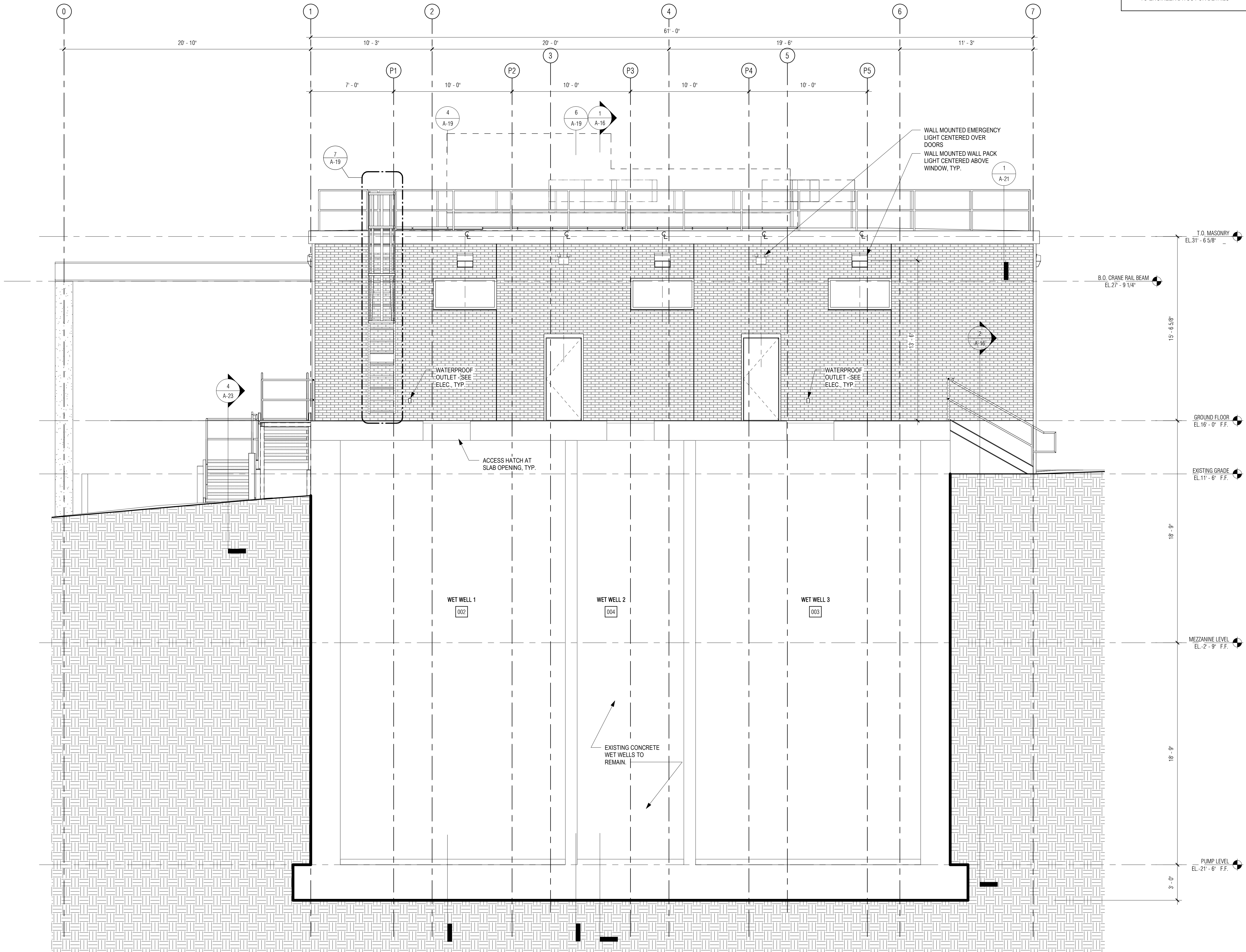
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.

A-18



1 EAST-WEST SECTION THROUGH WET WELLS
1/4" = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWGS\601-REV\T\FAMILIES\TITLEBLOCKS\KOC_Arch.D 24x36 Vertical Title - BETA

GENERAL NOTES: DETAILS

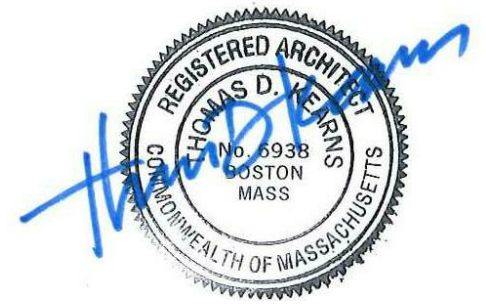
1. REFER TO DWG A-01 FOR GENERAL NOTES
2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS, MOUNTING HEIGHTS

PREPARED BY:



www.BETA-inc.com
PLOT DATE: 8/29/2021 4:00:06 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

MASONRY DETAILS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM

DESIGNED BY: DSK

CHECKED BY: MPS

DSK JOB No.: TPS-1795 DATE: 3/31/2022

BETA JOB No.: 5530

SCALE

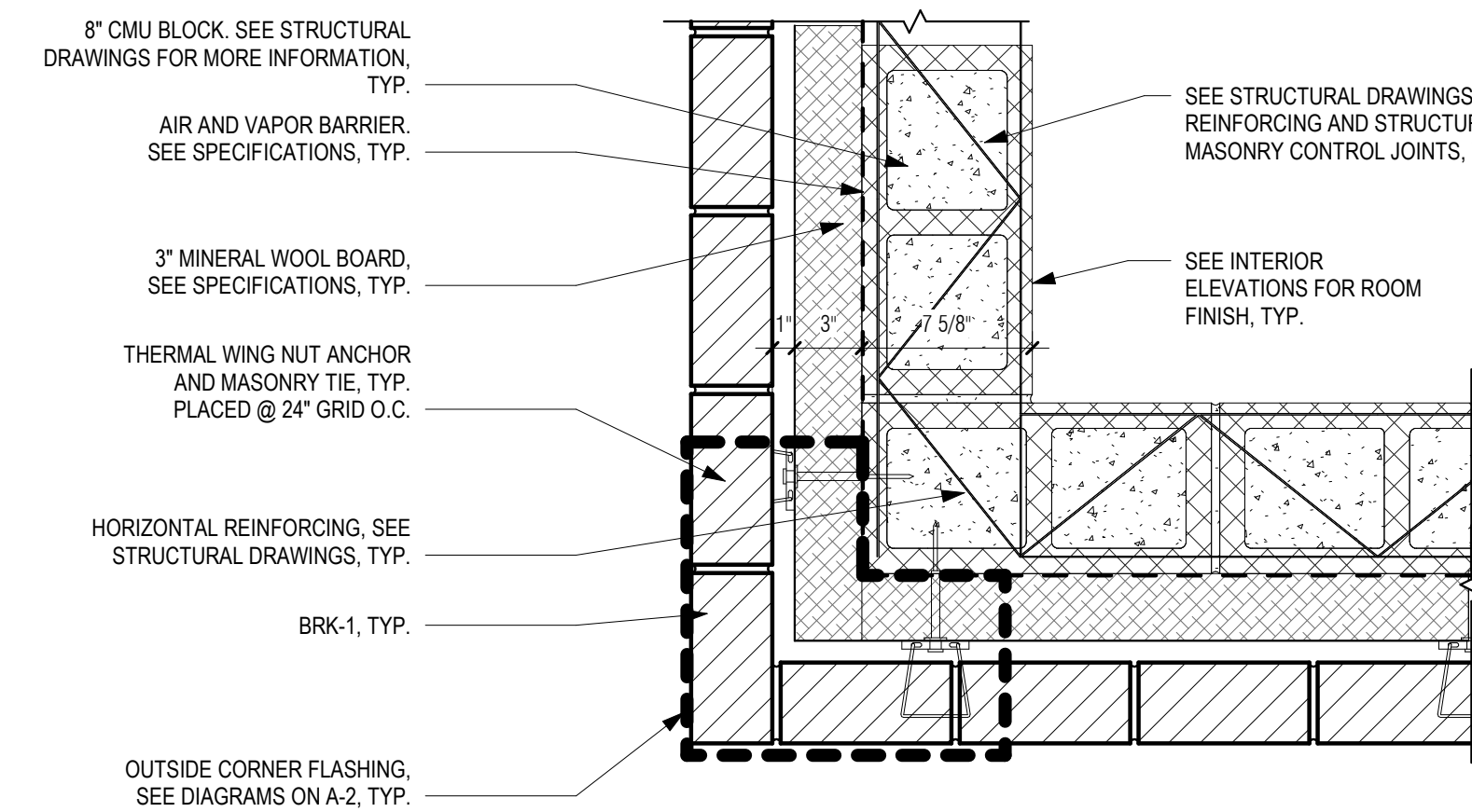
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

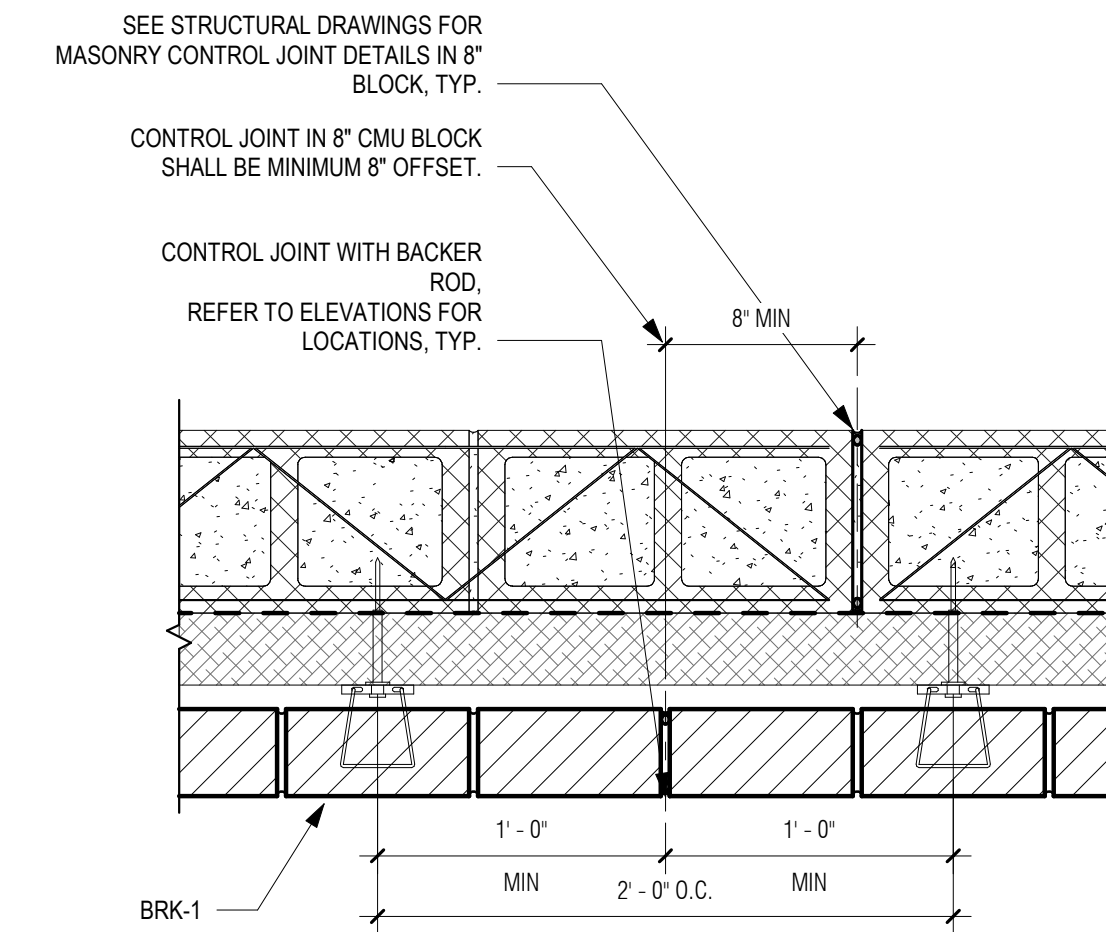
CONTRACT 2

SHEET NO.

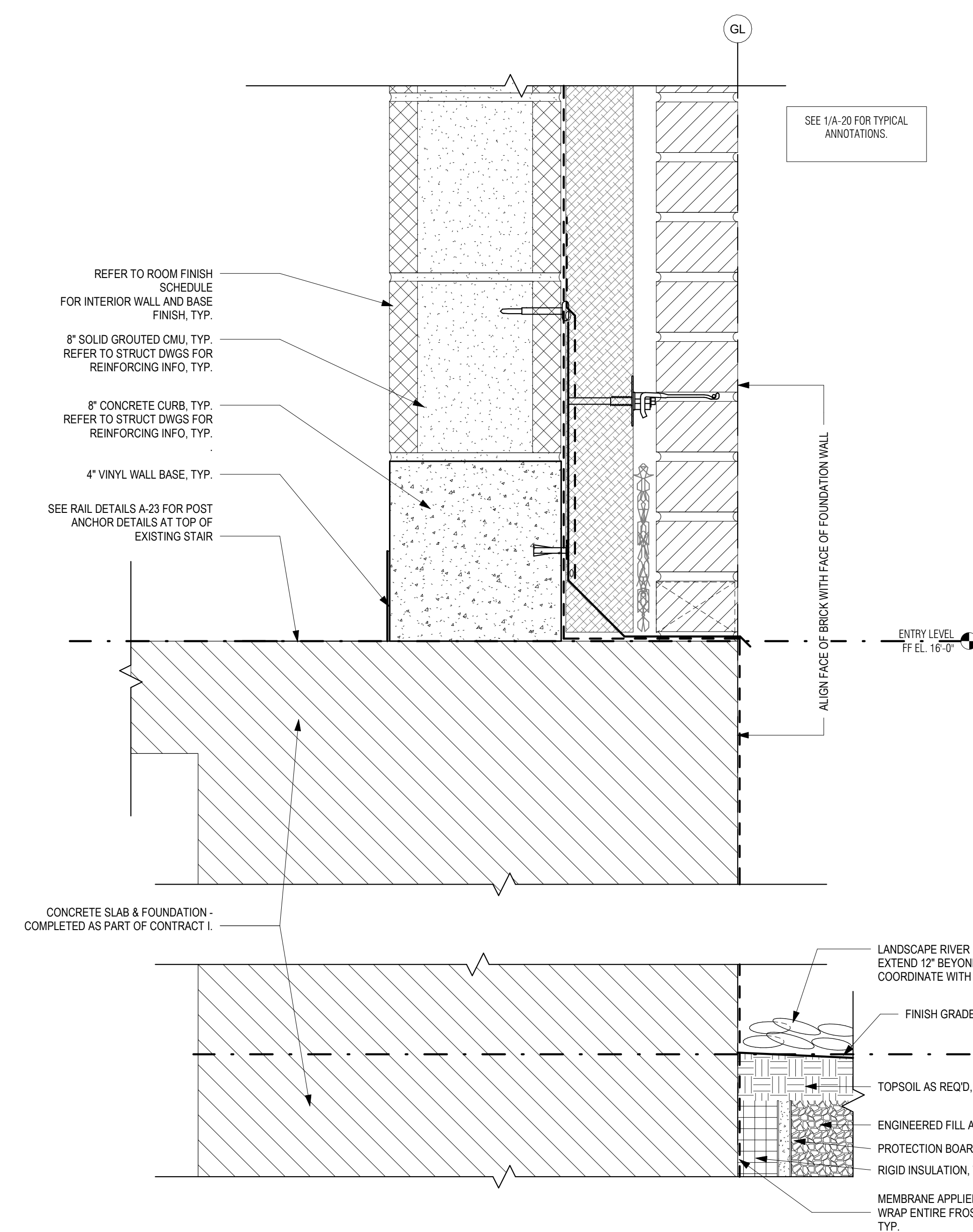
A-20



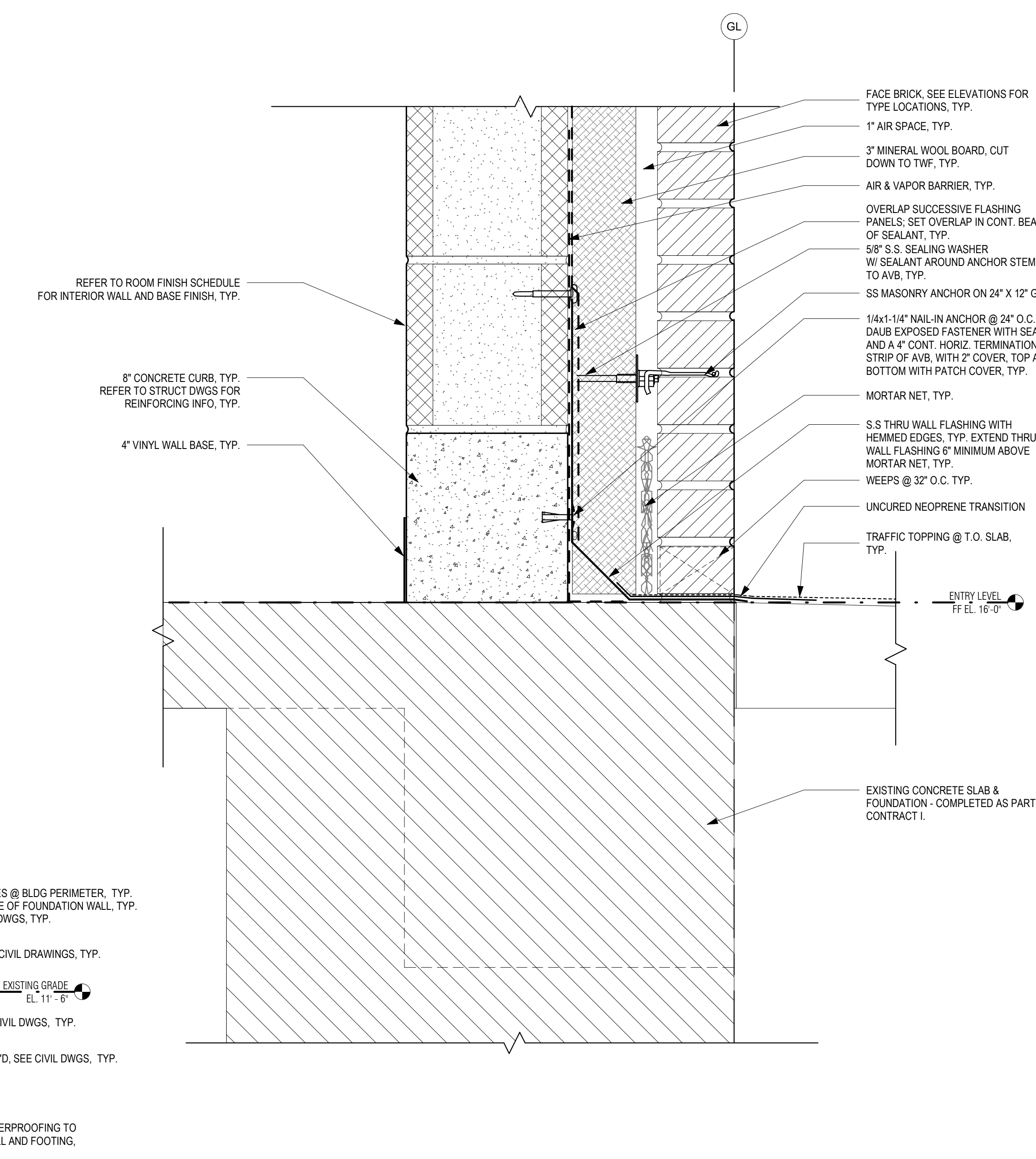
5 PLAN DETAIL - BRICK - CORNER DETAILS
1 1/2" = 1'-0"



4 PLAN DETAIL - BRICK CONTROL JOINT
1 1/2" = 1'-0"




2 TYP. WALL SECTION DETAIL @ EXT RC WALL
3" = 1'-0"





1 TYP. WALL SECTION DETAIL @ STRUCTURED SLAB AND RC WALL
3" = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-NPS-FAMILY\TITLEBLOCKS\KDC_Arch D 24x36 Vertical Title - BETA

GENERAL NOTES: DETAILS
 1. REFER TO DWG A-01 FOR GENERAL NOTES
 2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS, MOUNTING HEIGHTS

PREPARED BY:

 www.BETA-Inc.com
 PLOT DATE: 8/29/2021 4:00:08 PM

REGISTERED PROFESSIONAL


SUBCONSULTANT:
 **Dewing Schmid Kearns**
 ARCHITECTS + PLANNERS
 30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
 280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS
TAUNTON, MA

TITLE
ROOF DETAILS

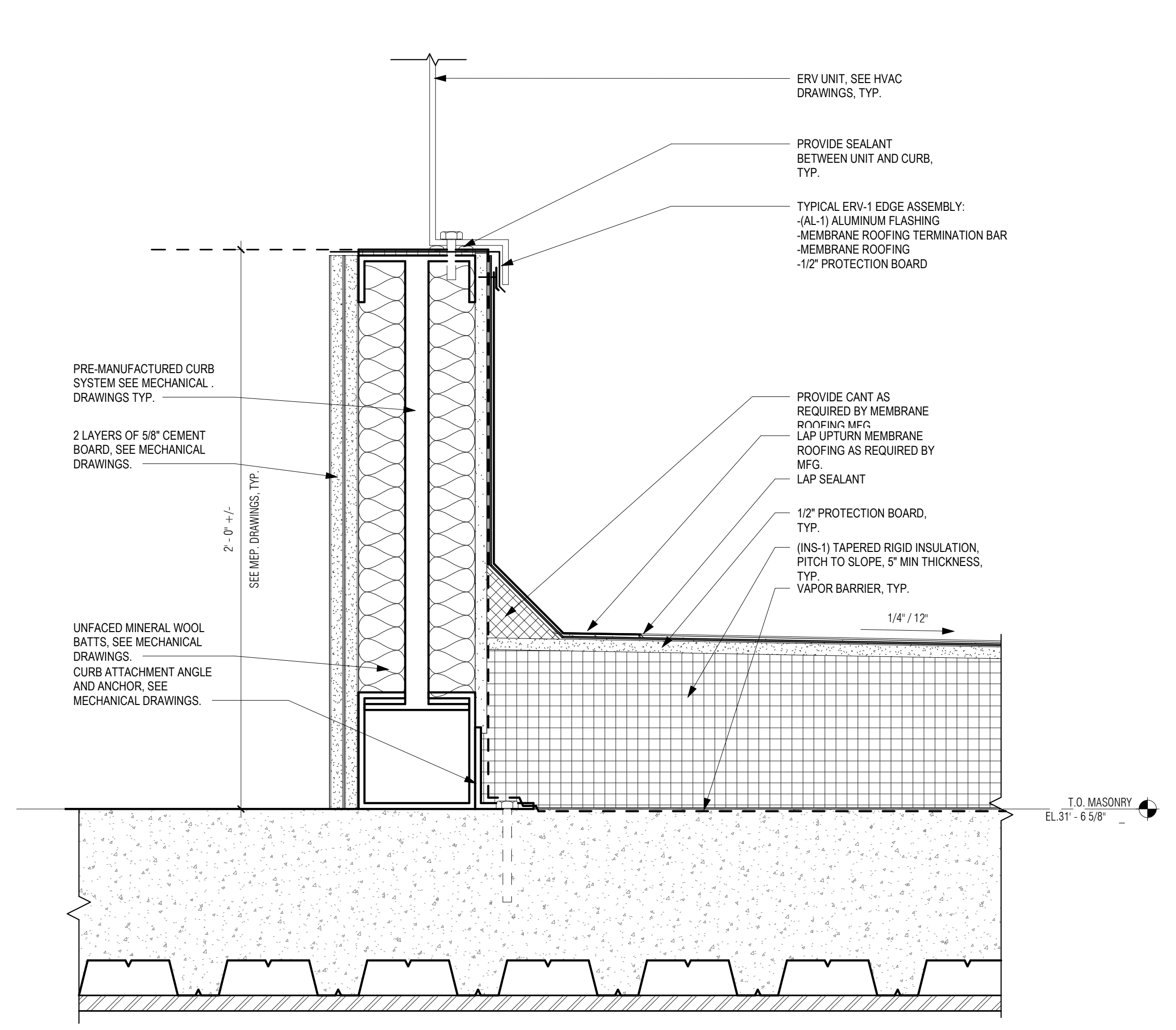
REVISIONS

NO.	DESCRIPTION	DATE

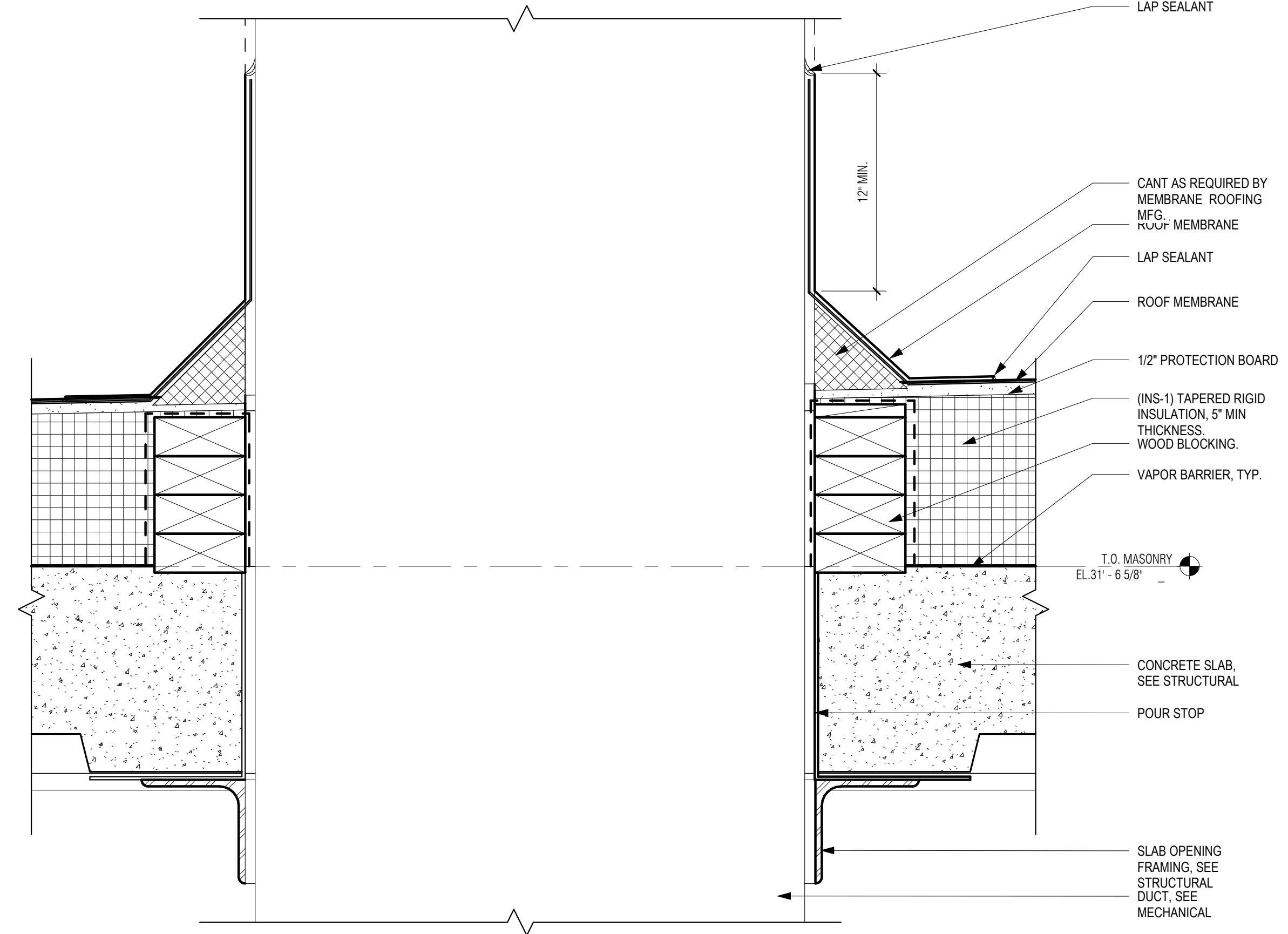
DRAWN BY: TM
 DESIGNED BY: DSK
 CHECKED BY: MPS
 DSK JOB No.: TPS-1795 DATE: 3/31/2022
 BETA JOB No.: 5530

SCALE
As indicated
 UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
CONTRACT 2

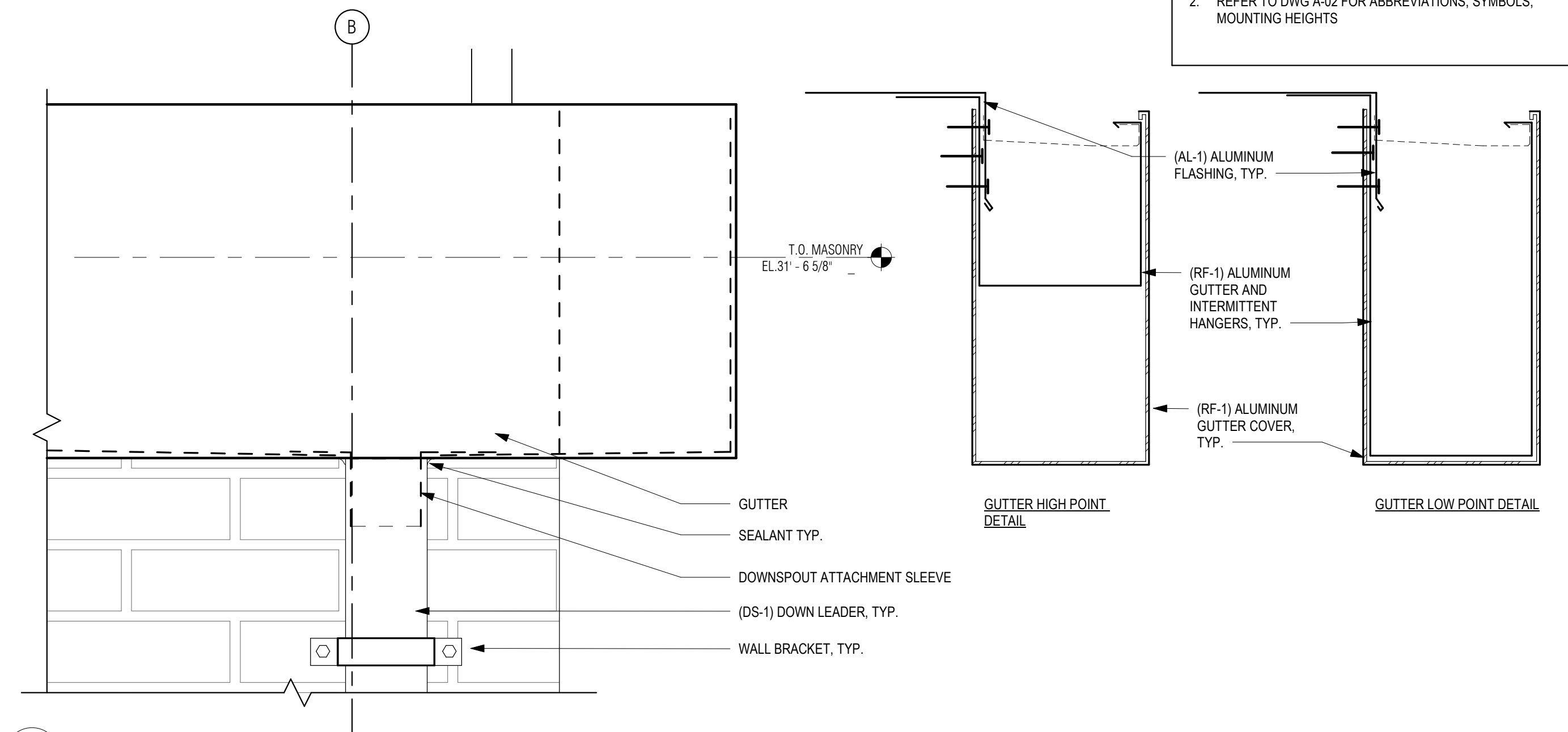
SHEET NO.
A-21



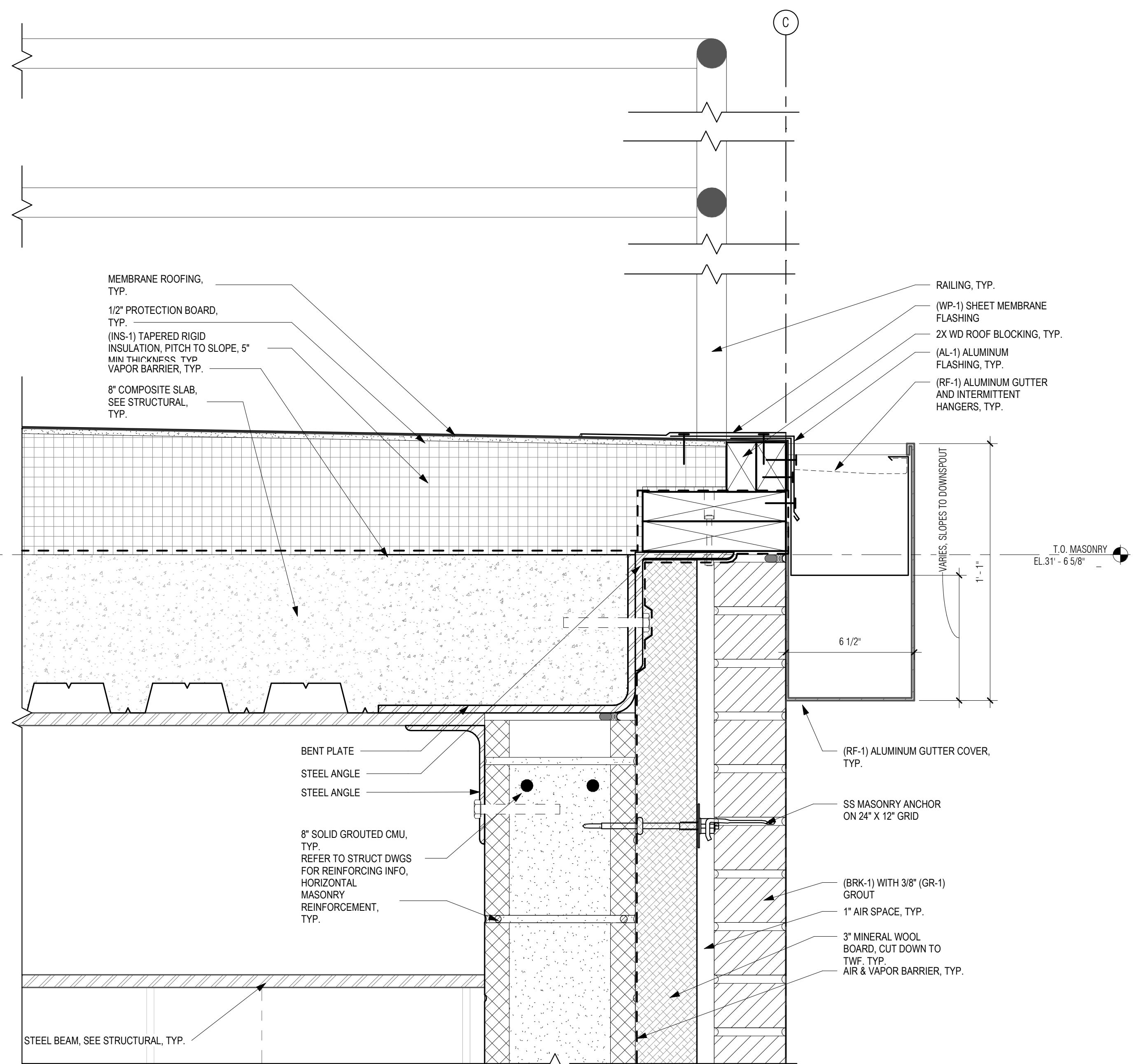
4 TYPICAL ERV-1 ROOF CURB DETAIL
 3' = 1'-0"



2 DUCT PENETRATION DETAIL
 3' = 1'-0"



3 GUTTER DETAILS
 3' = 1'-0"



1 TYP. SECTION DETAIL @ PARAPET
 3' = 1'-0"

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\601-REV\T\FAMILIES\TITLEBLOCKS\KOC_Arch D 24x36 Vertical Title - BETA

TOILET ACCESSORY SCHEDULE	
CODE	DESCRIPTION
TA-1	24"x36" MIRROR
TA-2	CONTURA SERIES SURFACE MOUNTED SOAP DISPENSER
TA-3	SEMI-RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
TA-4	SURFACE MOUNTED DOUBLE TOILET PAPER DISPENSER

GENERAL NOTES: INTERIOR ELEVATIONS

- REFER TO DWG A-01 FOR GENERAL NOTES
- REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS & MOUNTING HEIGHTS
- REFER TO DWG A-26 FOR DOOR, WINDOW AND LOUVER SCHEDULES
- REFER TO DWG A-27 FOR FINISH SCHEDULE AND MATERIALS
- ALL FURNITURE SHOWN FOR REFERENCE ONLY, N.I.C. TYP.
- REFER TO MEP DRAWINGS FOR MORE INFORMATION ABOUT PLUMBING AND LIGHT FIXTURES, MECHANICAL AND ELECTRICAL EQUIPMENT AND SERVICES, TYP.

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:00:13 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square
Concord, MA 01742
978.371.7500

280 Elm Street
South Dartmouth, MA 02748
508.999.0440

PROJECT

**MAIN LIFT
PUMP
STATION
IMPROVEMENTS**

TAUNTON, MA

TITLE

**INTERIOR
ELEVATIONS AND
WC PLAN**

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

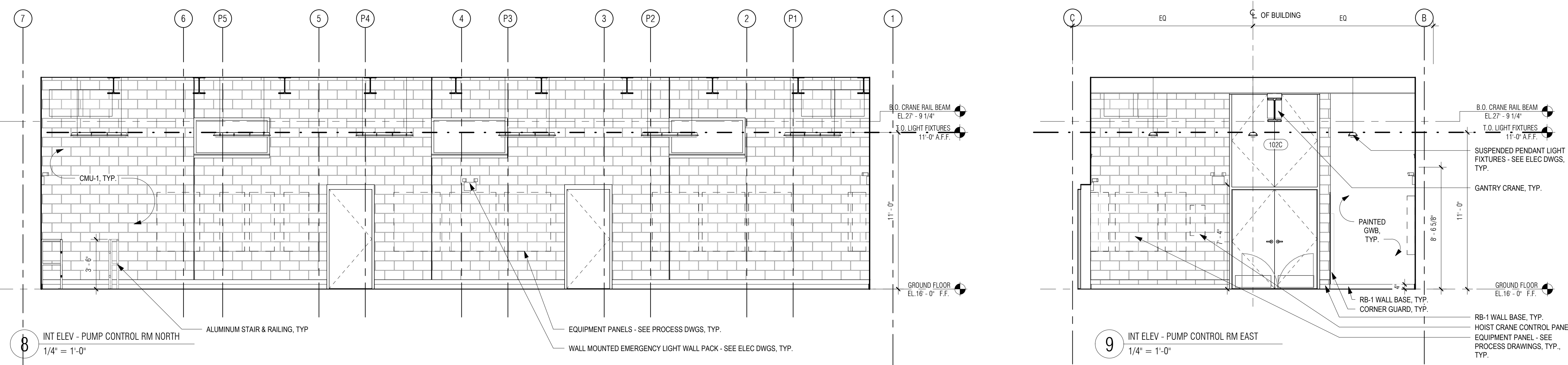
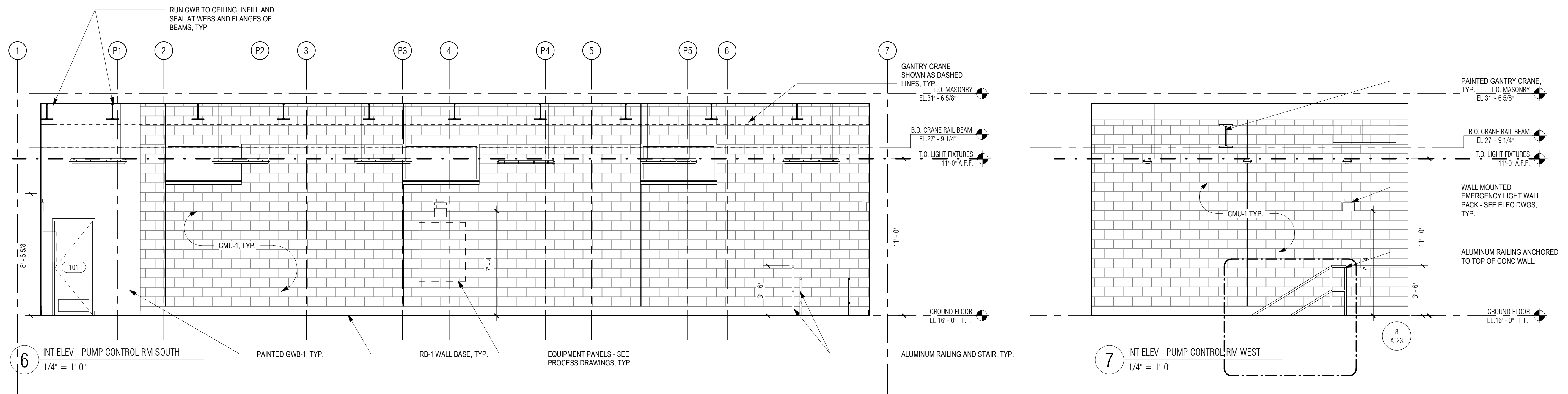
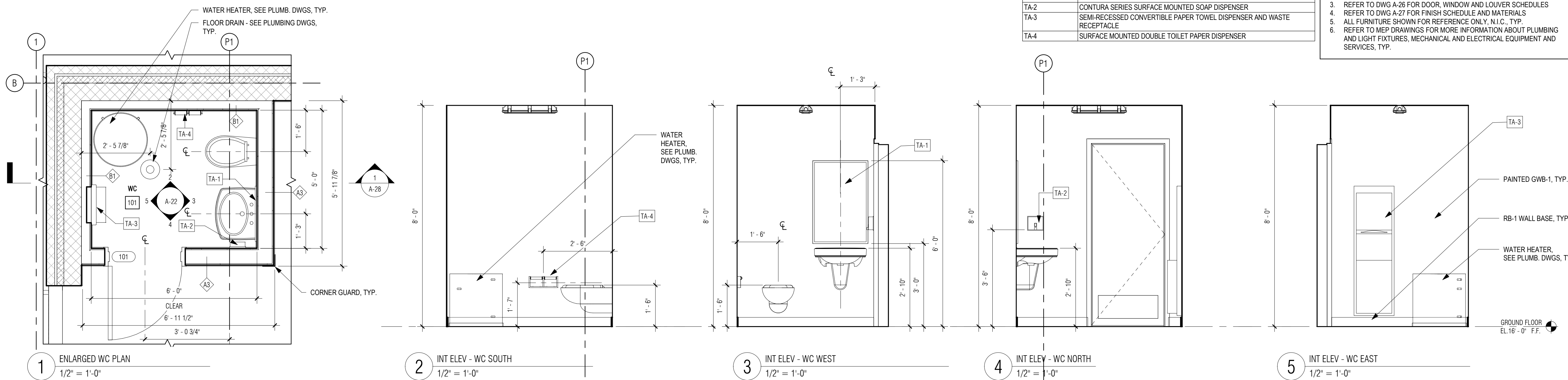
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.

A-22



HARDWARE SCHEDULE

HD-1	ENTRANCE LEVER SET 1 1/2 BUTTS BULB WEATHER STRIPPING ALL AROUND BOTTOM SWEEP MOP PLATE INTERIOR SIDE ONLY HEAVY DUTY THRESHOLD WITH GASKET OVERHEAD CLOSER SILENCER
HD-3A	MULTI-SET LOWER DOORS 3 BUTTS BULB WEATHER STRIPPING ALL AROUND STORE ROOM FUNCTION LEVER SET ON ACTIVE LEAF DUMMY LEVER SET ON INACTIVE LEAF BOTTOM SURFACE FLUSH BOLTS ON INACTIVE LEAF TOP SURFACE FLUSH BOLTS ON INACTIVE LEAF WITH LONG THROW KICK PLATE EXTERIOR SIDE MOP PLATE INTERIOR SIDE PAIR OF WALL STOPS WITH HOOK AND EYE ASTRAGAL SILENCER
HD-3B	MULTI-SET UPPER DOORS PAIR HAS NO LEVER SET 3 BUTTS BULB WEATHER STRIPPING ALL AROUND BOTTOM SURFACE FLUSH BOLTS ON BOTH LEAFS PAIR OF WALL STOPS WITH HOOK AND EYE ASTRAGAL BRUSH WEATHERSTRIPPING AROUND BEAM OPENING SEE DOOR DETAIL SHEETS FOR NEOPRENE GASKET INFO
HD-5	PRIVACY LEVER SET 1 1/2 BUTTS MOP PLATE BOTH SIDES OVERHEAD CLOSER WALL STOP SILENCER
HD-7	MANUFACTURERS HARDWARE WITH TAMPER PROOF KEY SET FULLY WATERPROOF GASKET SEAL ALL AROUND
HD-8	MANUFACTURERS HARDWARE

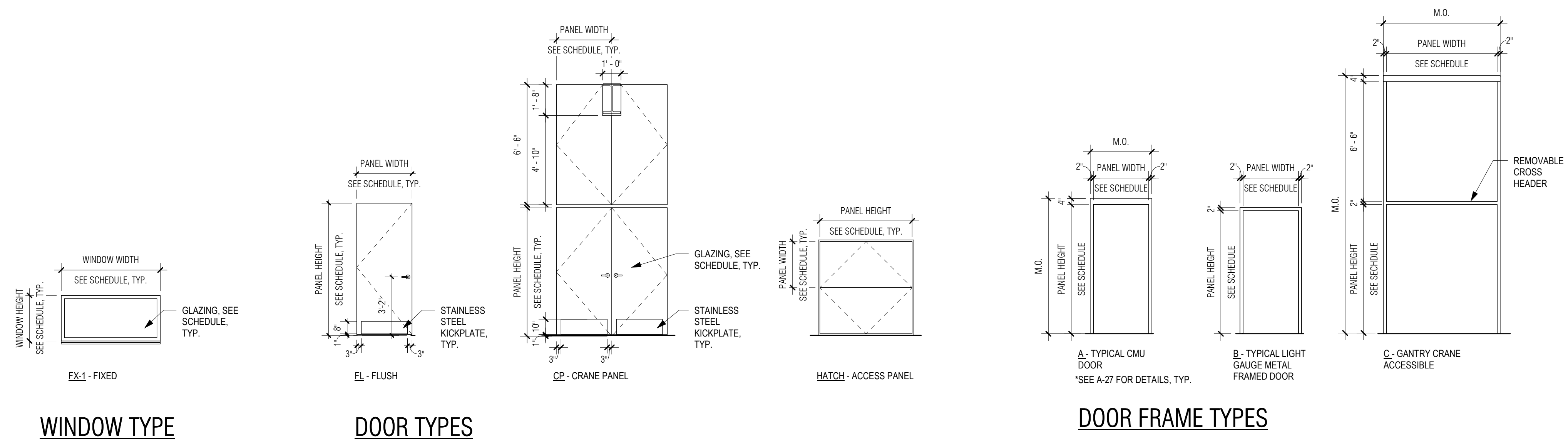
NOTES:
ALL HARDWARE SATIN SS FINISH
PROVIDE KEYBOX IN OFFICE
ALL EXTERIOR DOORS TO BE INSULATED
PROVIDE SWEEPS AT ALL EXTERIOR DOORS
PROVIDE SS DRIP CAP AT ALL EXTERIOR DOORS

DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	LOCATION		DOOR				FRAME				FIRE RATING	HARDWARE	NOTES		
		ROOM NUMBER	ROOM NAME	PANEL SIZE		PANEL THICKNESS	TOTAL PANEL COUNT	MATL	FINISH	GLAZING TYPE	FRAME TYPE				THRESHOLD TYPE	GASKET
				WIDTH	HEIGHT											
GROUND FLOOR																
101	FL	101	WC	INT	2'-8"	6'-8"	0'-1 3/4"	1	STEEL		N/A	B		Yes	HD-5	
102A	FL	102	PUMP CONTROL ROOM	EXT	3'-0"	7'-0"	0'-1 3/4"	1	STEEL		N/A	A		Yes	HD-1	
102B	FL	102	PUMP CONTROL ROOM	EXT	3'-0"	7'-0"	0'-1 3/4"	1	STEEL		N/A	A		Yes	HD-1	
102C	FL	102	PUMP CONTROL ROOM	EXT	3'-0"	7'-0"	0'-1 3/4"	4	STEEL		N/A	C		Yes	HD-3A/3B	

WINDOW SCHEDULE

WINDOW NUMBER	WINDOW TYPE	LOCATION		WINDOW		FRAME MATERIAL		FINISH		SILL TYPE	HEAD TYPE	JAMB TYPE	NOTES	
		ROOM NUMBER	ROOM NAME	WINDOW SIZE		EXT	INT	GLAZING	EXT					INT
				WIDTH M.O.	HEIGHT M.O.									
GROUND FLOOR														
102A	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	
102B	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	
102C	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	
102D	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	
102E	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	
102F	FX-1	102	PUMP CONTROL ROOM	5'-4"	2'-8"	AL-1	AL-1	GLX-1	PT-2	PT-2	3/A-27	4/A-27	5/A-27	



PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:00:17 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

DOOR AND WINDOW SCHEDULES

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

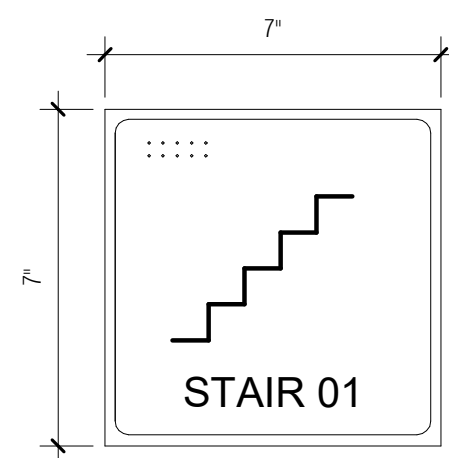
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

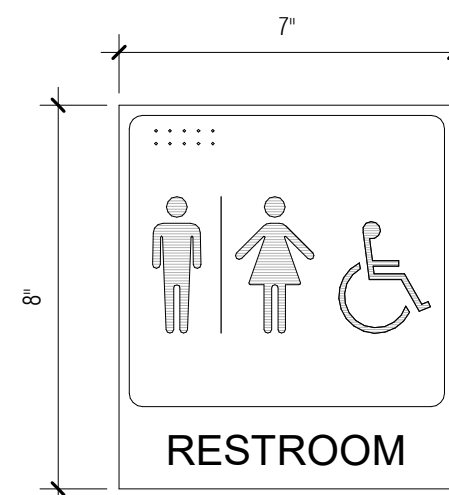
SHEET NO.

A-24



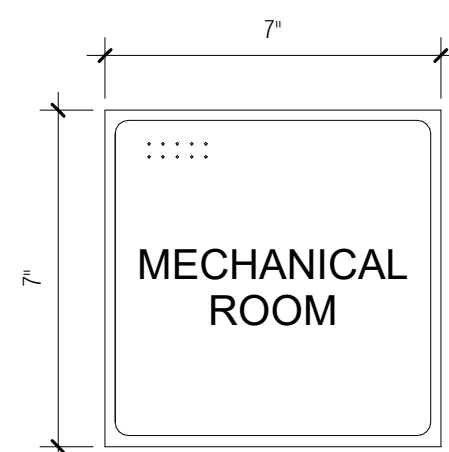
3 TYPICAL STAIR SIGNAGE
3" = 1'-0"

CHARACTER PROPORTIONS WIDTH-TO-HEIGHT RATIO BETWEEN 3.5 TO 1:1
STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1.5 AND 1:10
FINISH: ADAAG 4.30.5: NON-GLARE
CONTRAST: LIGHT ON DARK
REQUIREMENTS: RAISED LETTERS AND BRAILLE
LOCATION: ON WALL ADJACENT TO LATCH SIDE OF DOOR, 60" A.F.F TO SIGN CENTERLINE.
OBSTACLES: A PERSON MUST BE ABLE TO APPROACH WITHIN 3' OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING (SITTING) WITHIN SWING OF DOOR



2 RESTROOM SIGNAGE
3" = 1'-0"

CHARACTER PROPORTIONS WIDTH-TO-HEIGHT RATIO BETWEEN 3.5 TO 1:1
STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1.5 AND 1:10
FINISH: ADAAG 4.30.5: NON-GLARE
CONTRAST: LIGHT ON DARK
REQUIREMENTS: RAISED LETTERS AND BRAILLE
LOCATION: ON WALL ADJACENT TO LATCH SIDE OF DOOR, 60" A.F.F TO SIGN CENTERLINE.
OBSTACLES: A PERSON MUST BE ABLE TO APPROACH WITHIN 3' OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING (SITTING) WITHIN SWING OF DOOR
THE RESTROOM SHALL USE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY



1 TYPICAL ROOM SIGNAGE
3" = 1'-0"

CHARACTER PROPORTIONS WIDTH-TO-HEIGHT RATIO BETWEEN 3.5 TO 1:1
STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1.5 AND 1:10
FINISH: ADAAG 4.30.5: NON-GLARE
CONTRAST: LIGHT ON DARK
REQUIREMENTS: RAISED LETTERS AND BRAILLE
LOCATION: ON WALL ADJACENT TO LATCH SIDE OF DOOR, 60" A.F.F TO SIGN CENTERLINE.
OBSTACLES: A PERSON MUST BE ABLE TO APPROACH WITHIN 3' OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING (SITTING) WITHIN SWING OF DOOR

SIGNAGE SCHEDULE		
ROOM NO.	DESCRIPTION	QUANTITY

-	STAIRS	3
006	MEZZANINE	1
101	WC	1
102	PUMP CONTROL ROOM	1
EXTERIOR		
-	BUILDING STREET ADDRESS	1
-	BUILDING DEDICATION PLAQUE (BRONZE)	1
Grand total: 6		

MATERIAL FINISH LEGEND										
CODE	PRODUCT NAME / TYPE	LOCATION	IMAGE	SIZE (HxWxD)	COLOR	PATTERN	TEXTURE / FINISH	MANUFACTURER	NOTES	
04210 : CLAY UNIT MASONRY										
BRK-1	BRICK - FACE BRICK	EXTERIOR WALLS		2.25x7.625x3.5	FULL RANGE DANISH	RUNNING BOND	SAND MOLDED FACE BRICK		STILES AND HART	
GR-1	GROUT	USED WITH BRK-1		3/8" JOINTS	WHITE					
04222 : STRUCTURAL UNIT MASONRY										
CMUJ-1 - Structural CMU	CMUJ - STRUCTURAL	SEE DRAWINGS		8x16x8 NOMINAL CONCRETE BLOCKS					JANDRIS	
05500 : METAL FABRICATION										
GRT-1	ALUMINUM GRATING	EXTERIOR STAIRS AND LANDING								
05500 : METAL FABRICATIONS										
AL-1	ALUMINUM	STAIRS, RAILINGS AND HATCHES								
06100 : ROUGH CARPENTRY										
PLY	PLYWOOD PANELING	AT ALL WALL-MOUNTED ELEC. PANELS		3/4" THICK						
07130 : SELF-ADHERING SHEET WATERPROOFING										
WP-1	SHEET WATERPROOFING	SEE SPECS								
WP-2	LIQUID APPLIED WATERPROOFING	WET WELL, INTERIOR CONC. SURFACES								
07610 : SHEET METAL ROOFING										
DS-1	DOWNSPOUT TO MATCH RF-1									
RF-1	ALUMINUM GUTTER			SEE DRAWINGS	CLEAR ANODIZED					
08800 : GLAZING										
GLX-1	1" IGU - VISION GLASS	WINDOWS		SEE DOOR AND WINDOW SCHEDULE	TRANSLUCENT		TRANSLUCENT GLAZING, PATTERN TO BE APPROVED BY ARCHITECT			EXTERIOR PANE TO BE LAMINATED
09211 : GYPSUM BOARD ASSEMBLIES										
GWB-1	GYPSUM WALL BOARD			SEE DETAILS						
09653 : RESILIENT WALL BASE AND ACCESSORIES										
RB-1	RESILIENT BASE - COLOR "A"	AT ALL GWB-1 WALLS		4" HEIGHT	CHARCOAL 20		TRADITIONAL TOELESS		JOHNSONITE	
09671 : RESINOUS FLOORING										
SL-1	SEALER - CONCRETE									
09900 : PAINTING AND COATING										
PT-1A	PAINT - ALL GWB-1 WALLS				SIMPLY WHITE OC-117				EGGSHELL BEN MOORE	
PT-1B	PAINT - ALL EXPOSED STRUCTURE (DRY-FALL)				WHITE					
PT-2	PAINT - DOORS AND WINDOWS AND FRAMES				ARCH. TO CONFIRM					
PT-3	PAINT - BOLLARDS				SAFETY YELLOW					
PT-4	LIQUID APPLIED PROTECTIVE COATING	EXT VERTICAL CONCRETE WALLS		WATER DISPERSED, ACRYLIC, PROTECTIVE, ANTI-CARBONATION COATING	ARCH. TO CONFIRM			670W, OR EQUAL	SIKA	usa.sika.com
12481 : ENTRANCE FLOOR MATS										
CPT-1	CARPET WALK-OFF MAT	ENTRY DOORS			CHARCOAL		BERBER - RB		MATS INC	

NOTE: SEE SPECIFICATIONS FOR MORE DETAILS, TYP.

ROOM FINISH SCHEDULE										
Level	ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING FINISH	
					NORTH	EAST	SOUTH	WEST		
PUMP LEVEL										
PUMP LEVEL	005	WET WELL 4	NA	N/A	N/A	N/A	N/A	N/A	N/A	
MEZZANINE LEVEL										
MEZZANINE LEVEL	006	MEZZANINE	SL-1	N/A	N/A	N/A	N/A	N/A	N/A	
GROUND FLOOR										
GROUND FLOOR	101	WC	SL-1	RB-1	PT-1A	PT-1A	PT-1A	PT-1A	PT-1A	
GROUND FLOOR	102	PUMP CONTROL ROOM	SL-1	RB-1	PT-1A	PT-1A	PT-1A	PT-1A	PT-1A	EXPOSED STRUCTURE
GROUND FLOOR	103	EXTERIOR ENTRY PLATFORM	SL-1	N/A	N/A	N/A	N/A	N/A	N/A	
PUMP LEVEL										
PUMP LEVEL	001	PUMP ROOM	SL-1	N/A	N/A	N/A	N/A	N/A	N/A	
PUMP LEVEL	002	WET WELL 1	WP-2	N/A	WP-2	WP-2	WP-2	WP-2	WP-2	
PUMP LEVEL	003	WET WELL 3	WP-2	N/A	WP-2	WP-2	WP-2	WP-2	WP-2	
PUMP LEVEL	004	WET WELL 2	WP-2	N/A	WP-2	WP-2	WP-2	WP-2	WP-2	
PUMP LEVEL	006	INFLUENT CHAMBER	WP-2	N/A	WP-2	WP-2	WP-2	WP-2	WP-2	

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:00:20 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

SIGNAGE, ACCESSORIES AND FINISH SCHEDULES

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM

DESIGNED BY: DSK

CHECKED BY: MPS

DSK JOB No.: TPS-1795 DATE: 3/31/2022

BETA JOB No.: 5530

SCALE

3" = 1'-0"

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2


SHEET NO.


A-25

GENERAL NOTES: DETAILS
 1. REFER TO DWG A-01 FOR GENERAL NOTES
 2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS, MOUNTING HEIGHTS

PREPARED BY:

 www.BETA-Inc.com
 PLOT DATE: 8/29/2021 4:00:21 PM

REGISTERED PROFESSIONAL


SUBCONSULTANT:

 ARCHITECTS + PLANNERS
 30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
 280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT
MAIN LIFT PUMP STATION IMPROVEMENTS
 TAUNTON, MA

TITLE
DOOR & WINDOW DETAILS

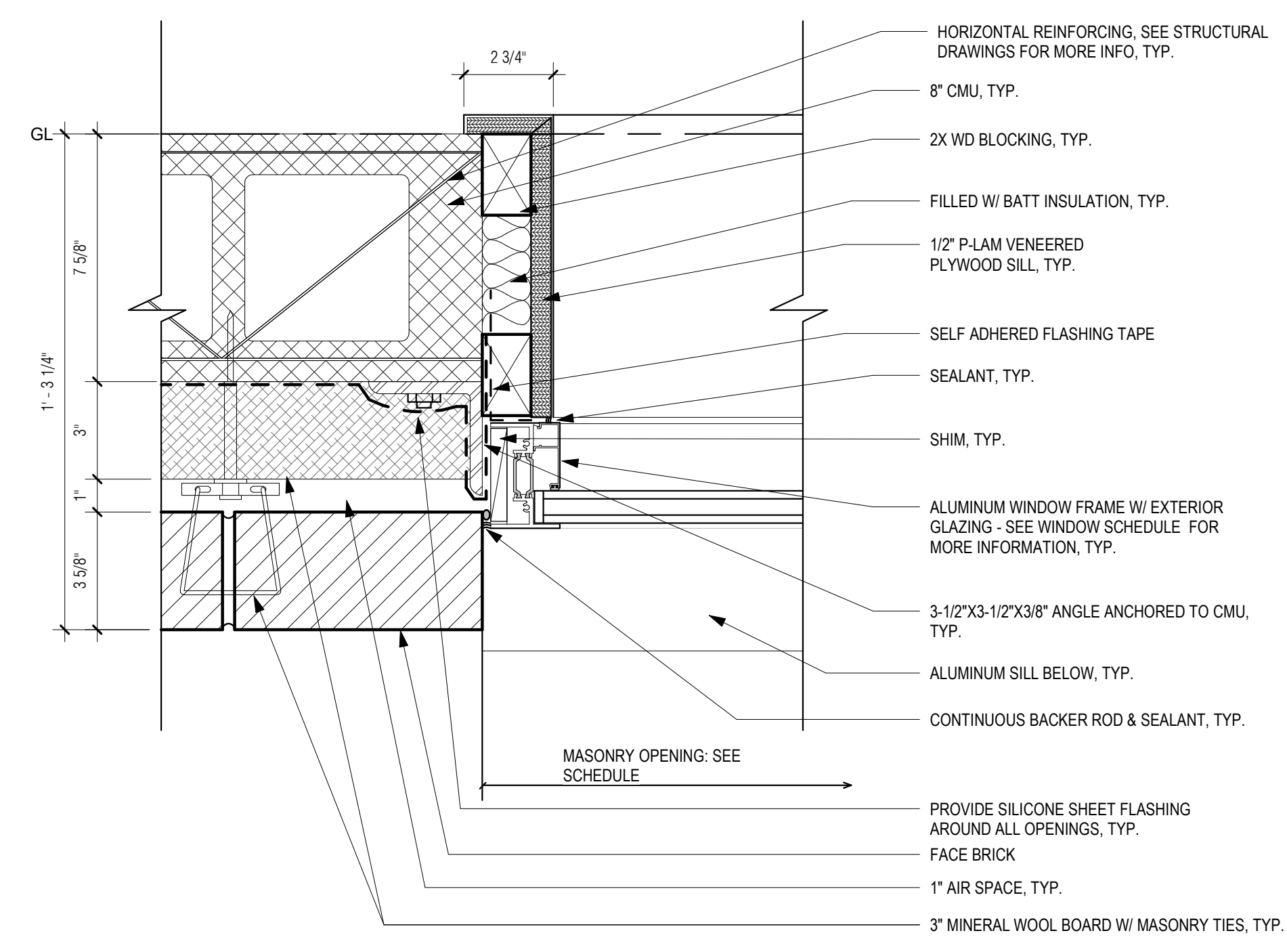
REVISIONS

NO.	DESCRIPTION	DATE

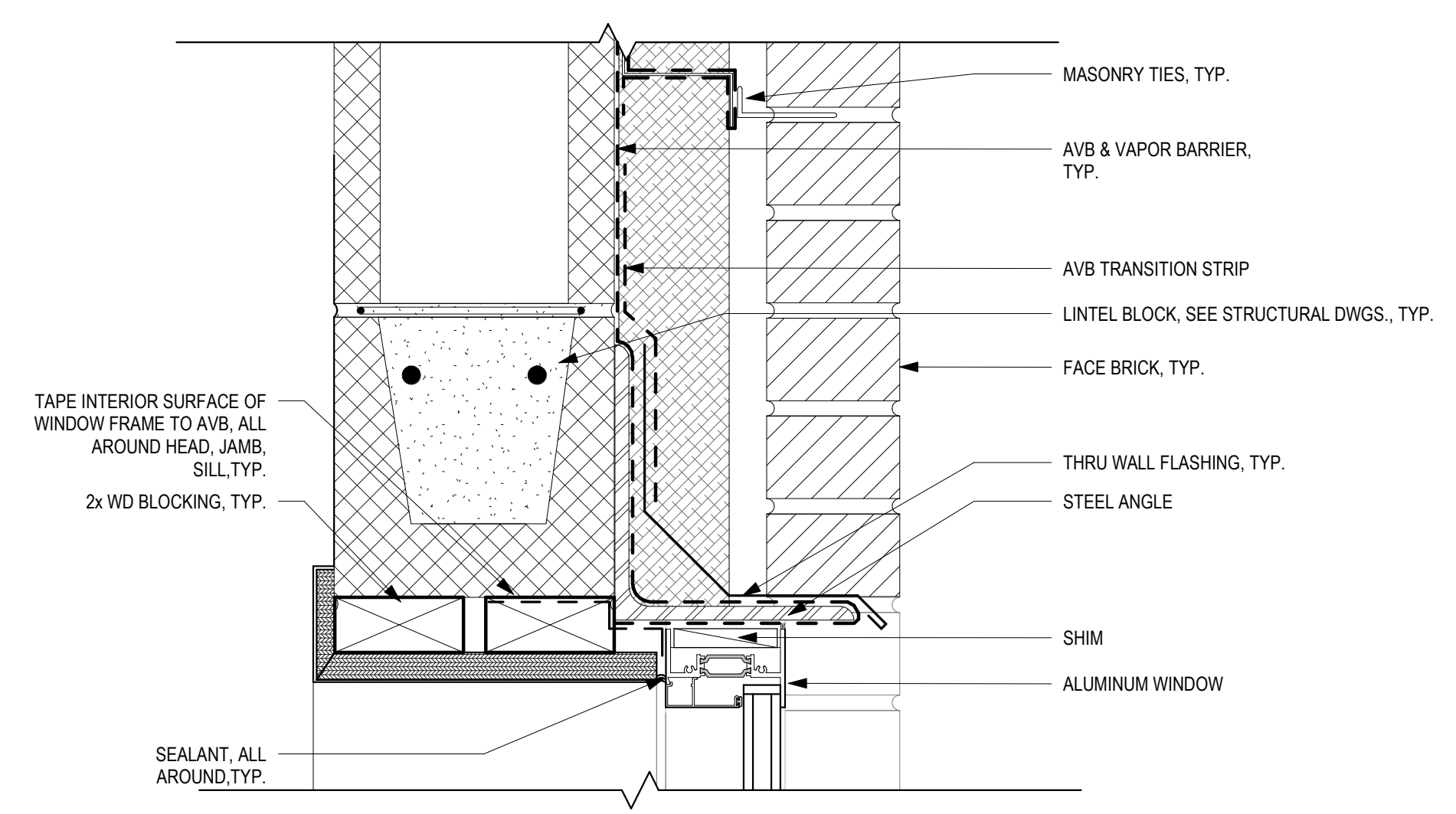
DRAWN BY: TM
 DESIGNED BY: DSK
 CHECKED BY: MPS
 DSK JOB No.: TPS-1795 DATE: 3/31/2022
 BETA JOB No.: 5530

SCALE
As indicated
 UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

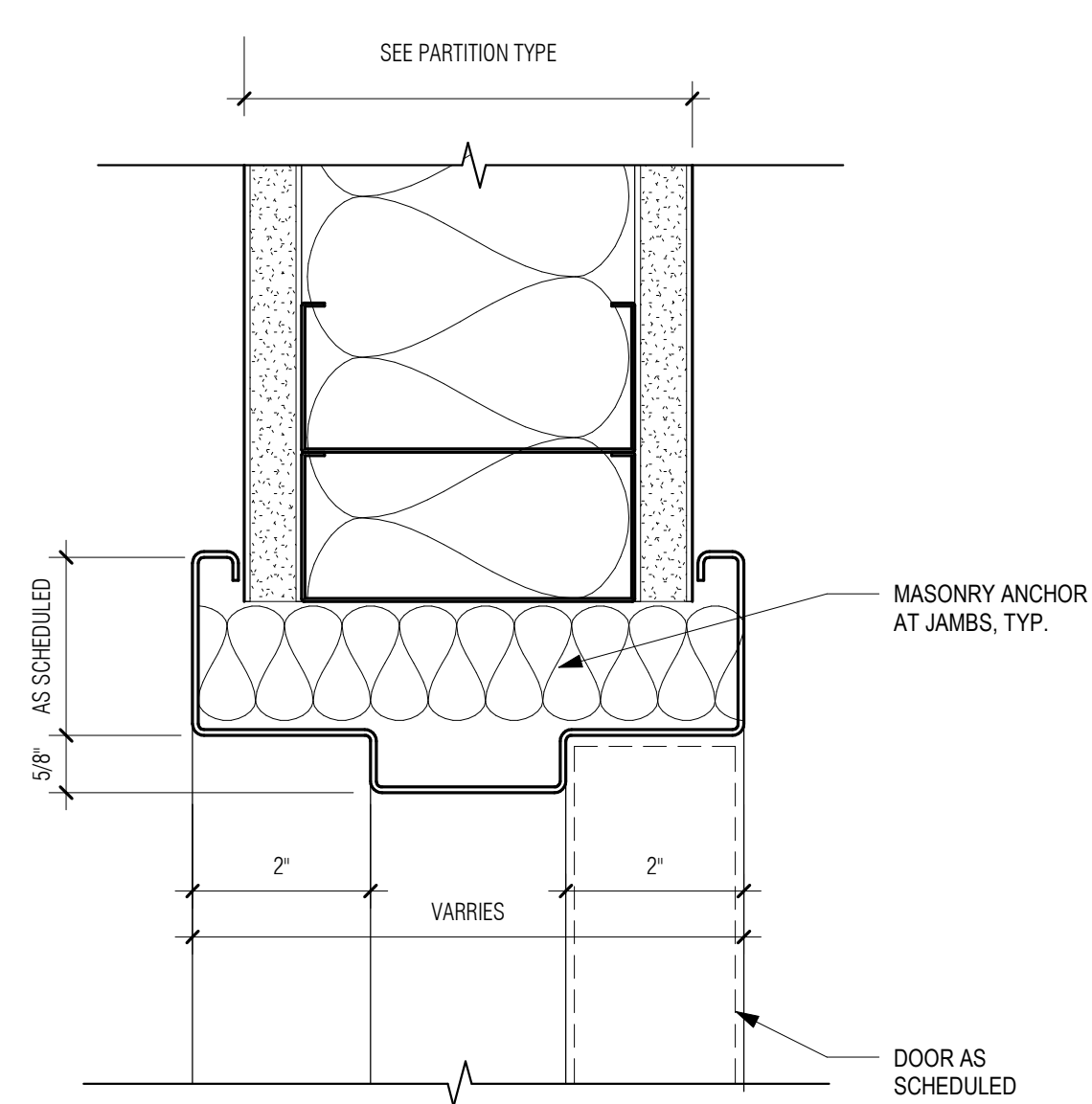
CONTRACT 2
 SHEET NO. **A-26**



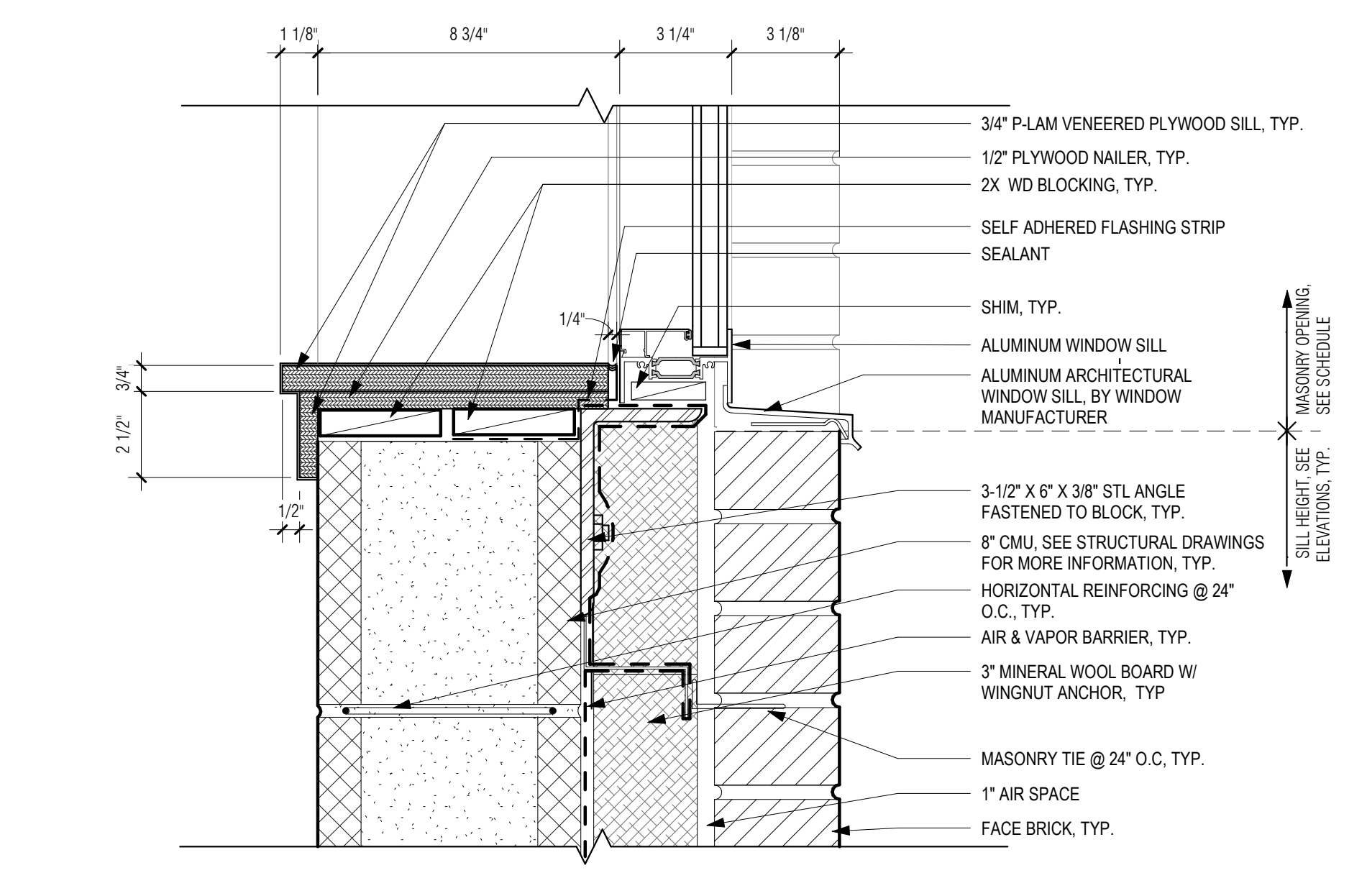
5 TYP. PLAN DETAIL @ WINDOW JAMB
 3" = 1'-0"



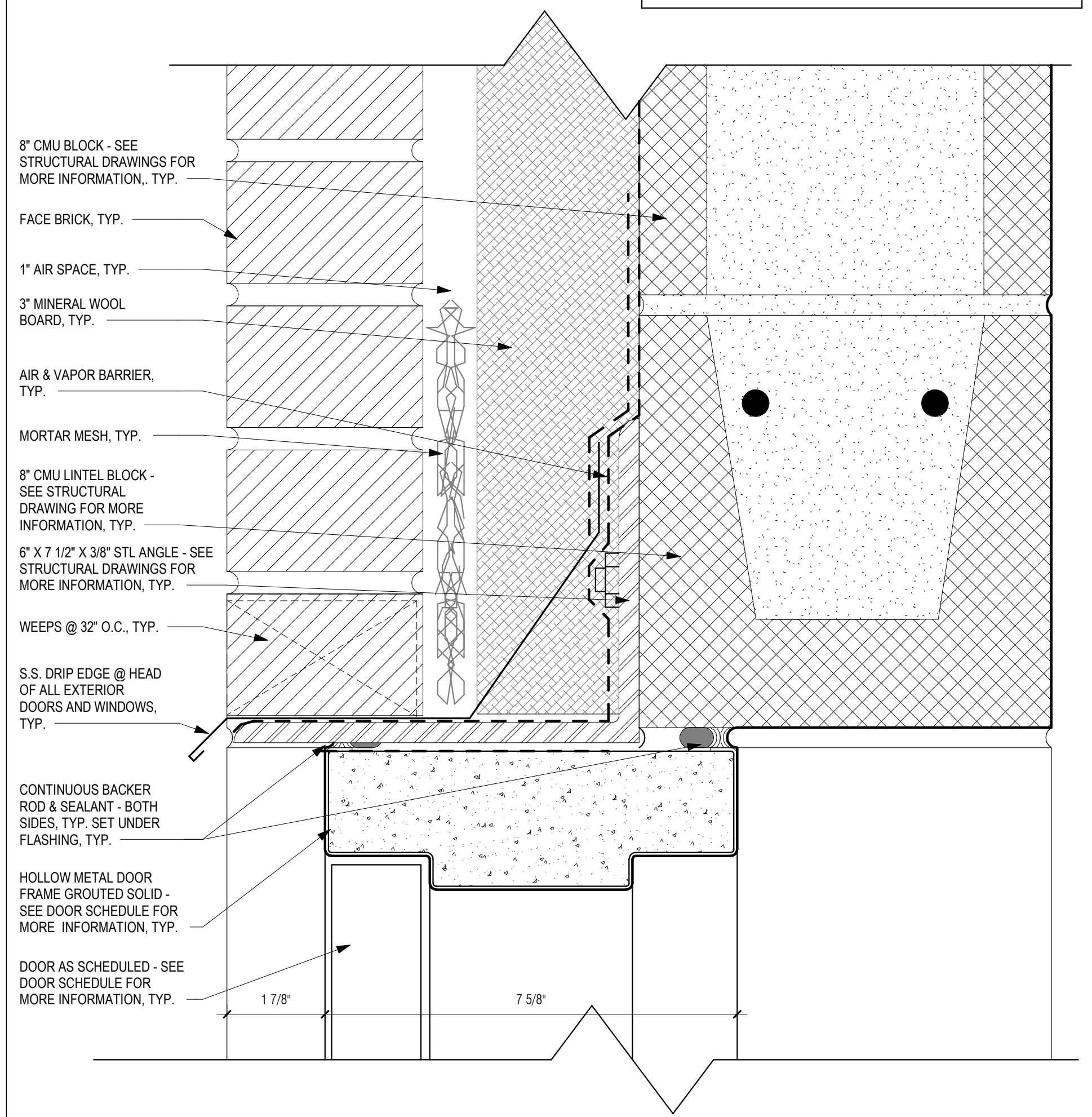
4 TYP. SECTION DETAIL @ WINDOW HEAD
 3" = 1'-0"



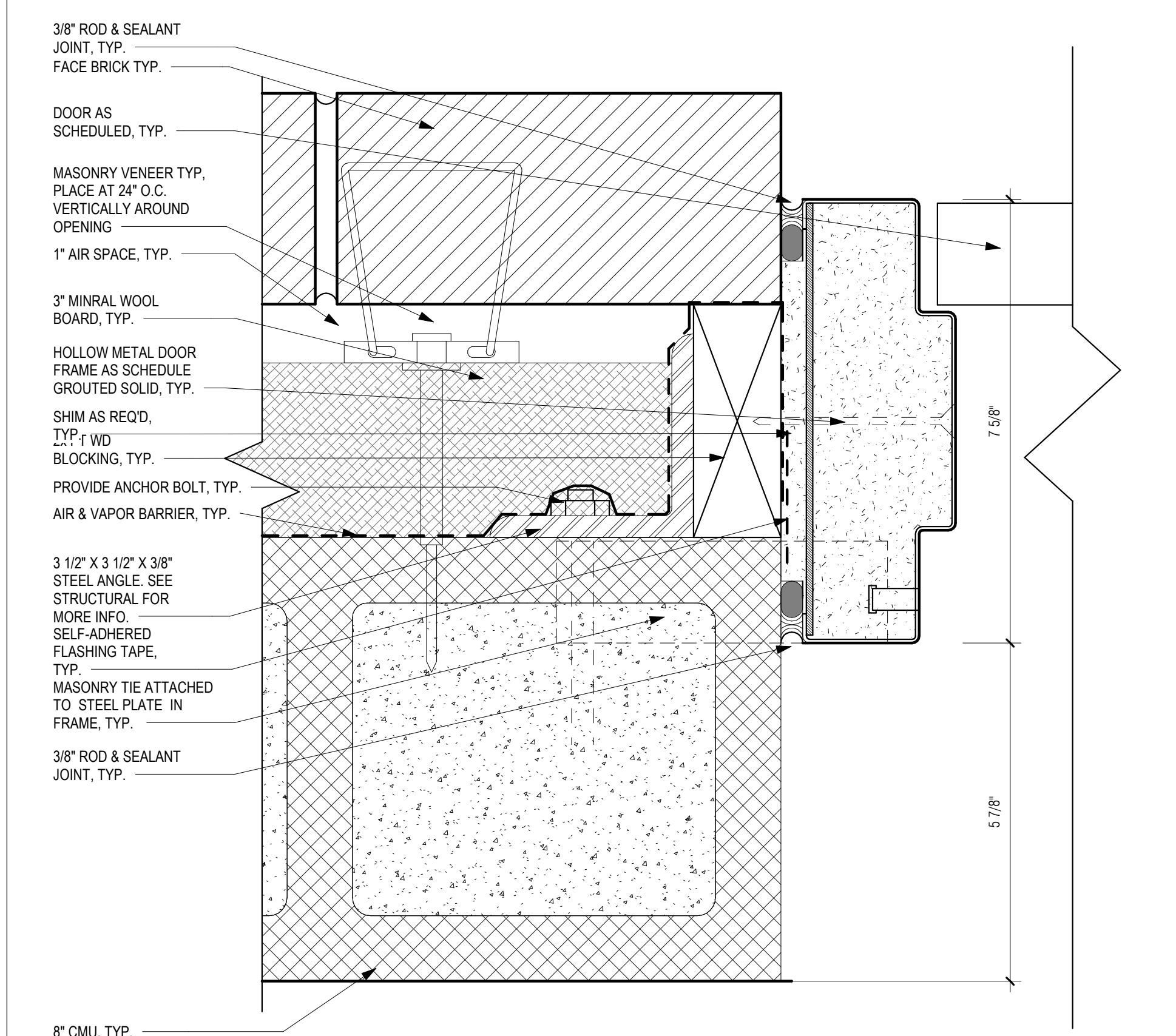
6 TYPICAL HOLLOW METAL DOOR JAMB/HEAD DETAIL AT GWB
 6" = 1'-0"



3 TYP. SECTION DETAIL @ WINDOW SILL
 3" = 1'-0"



2 TYP. EXT. HOLLOW METAL DOOR W/ CMU HEADER DETAIL - HEAD
 6" = 1'-0"



1 TYP. EXT. HOLLOW METAL DOOR W/ CMU HEADER DETAIL - JAMB
 6" = 1'-0"

GENERAL NOTES: DETAILS

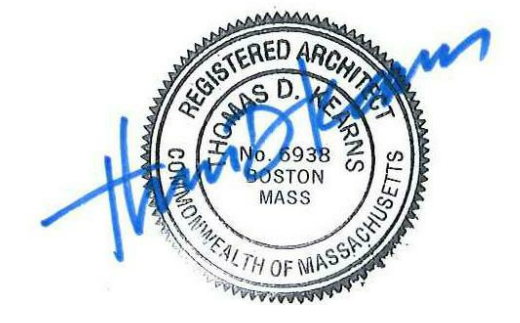
1. REFER TO DWG A-01 FOR GENERAL NOTES
2. REFER TO DWG A-02 FOR ABBREVIATIONS, SYMBOLS, MOUNTING HEIGHTS

PREPARED BY:



www.BETA-inc.com
PLOT DATE: 8/29/2021 4:00:22 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

DOOR DETAILS

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

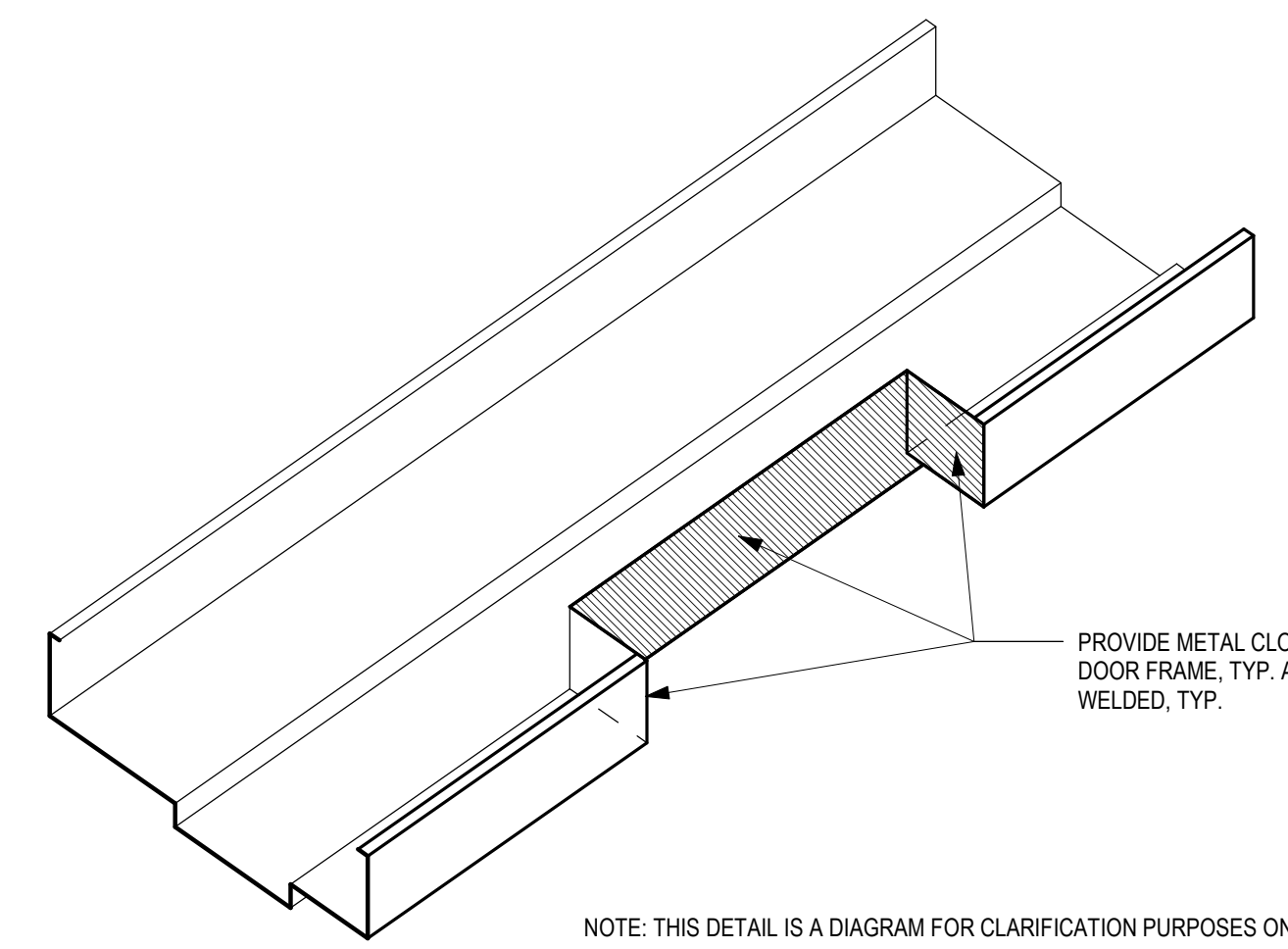
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CONTRACT 2

SHEET NO.

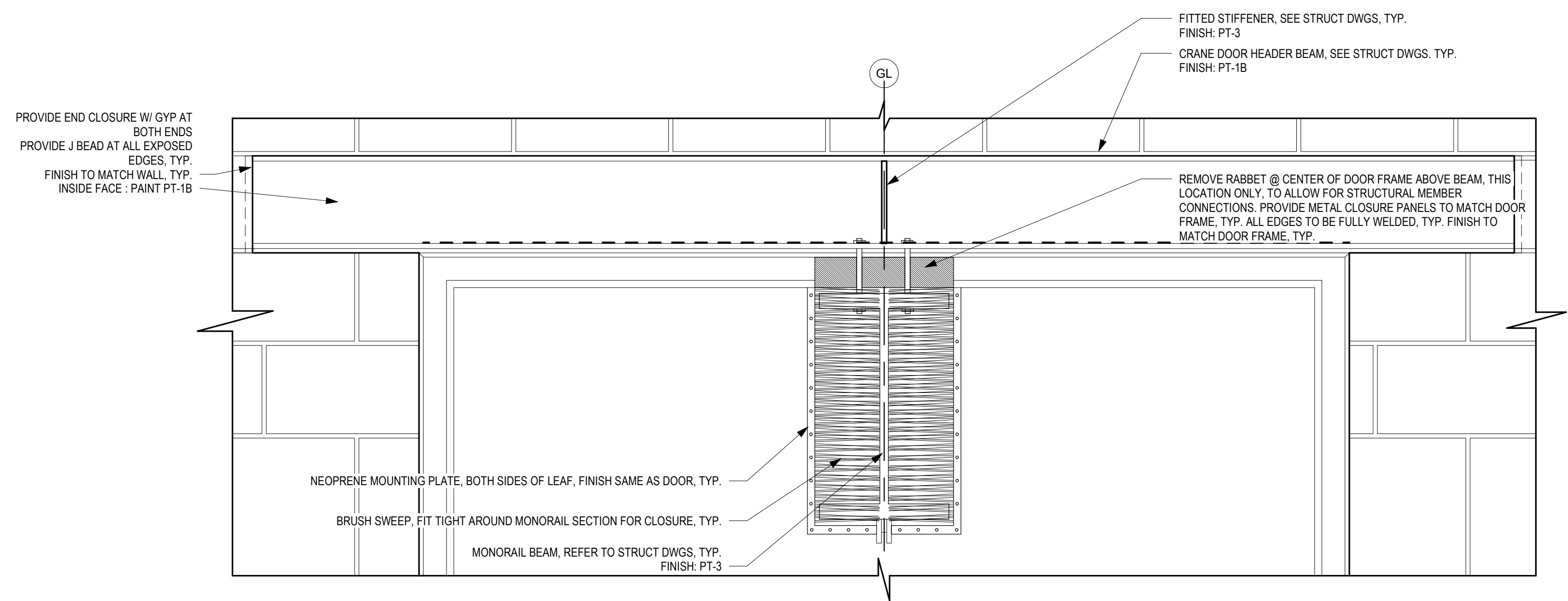
A-27



PROVIDE METAL CLOSURE PANELS, TO MATCH DOOR FRAME, TYP. ALL EDGES TO BE FULLY WELDED, TYP.

NOTE: THIS DETAIL IS A DIAGRAM FOR CLARIFICATION PURPOSES ONLY.

3 MONORAIL DOOR FRAME DETAIL
3" = 1'-0"



PROVIDE END CLOSURE, W/ GYP AT BOTH ENDS
PROVIDE J BEAD AT ALL EXPOSED EDGES, TYP.
FINISH TO MATCH WALL, TYP.
INSIDE FACE: PAINT PT-1B

FITTED STIFFENER, SEE STRUCT DWGS, TYP. FINISH: PT-3
CRANE DOOR HEADER BEAM, SEE STRUCT DWGS, TYP. FINISH: PT-1B

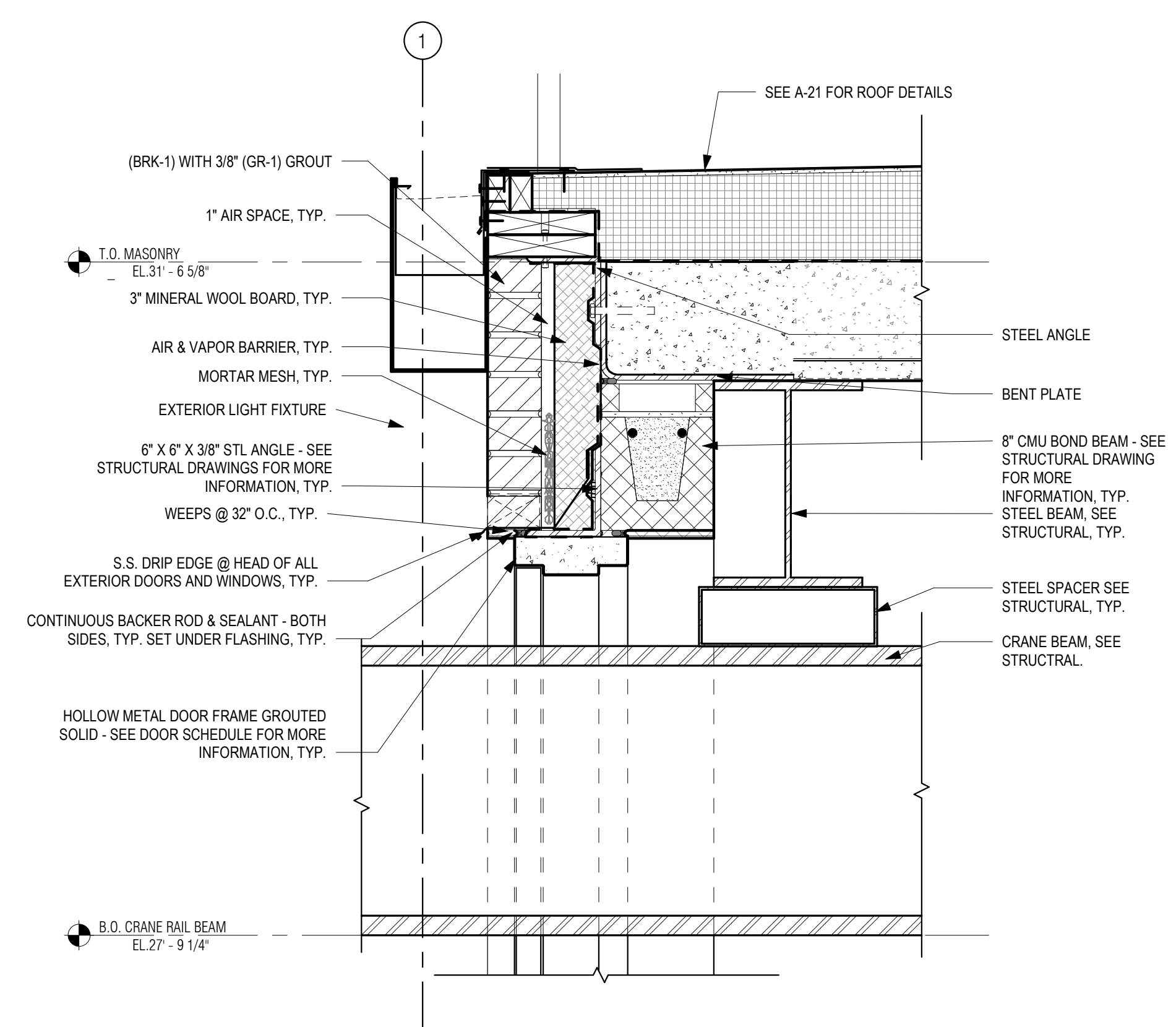
REMOVE RABBET @ CENTER OF DOOR FRAME ABOVE BEAM, THIS LOCATION ONLY, TO ALLOW FOR STRUCTURAL MEMBER CONNECTIONS. PROVIDE METAL CLOSURE PANELS TO MATCH DOOR FRAME, TYP. ALL EDGES TO BE FULLY WELDED, TYP. FINISH TO MATCH DOOR FRAME, TYP.

NEOPRENE MOUNTING PLATE, BOTH SIDES OF LEAF, FINISH SAME AS DOOR, TYP.

BRUSH SWEEP, FIT TIGHT AROUND MONORAIL SECTION FOR CLOSURE, TYP.

MONORAIL BEAM, REFER TO STRUCT DWGS, TYP. FINISH: PT-3

2 CRANE DOOR HEADER - INTERIOR ELEVATION
1 1/2" = 1'-0"



1 TOP OF WALL AT HOIST BEAM
1 1/2" = 1'-0"

(BRK-1) WITH 3/8" (GR-1) GROUT

1" AIR SPACE, TYP.

T.O. MASONRY
EL. 31'-6 5/8"

3" MINERAL WOOL BOARD, TYP.

AIR & VAPOR BARRIER, TYP.

MORTAR MESH, TYP.

EXTERIOR LIGHT FIXTURE

6" X 6" X 3/8" STL ANGLE - SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION, TYP.

WEEPS @ 32" O.C., TYP.

S.S. DRIP EDGE @ HEAD OF ALL EXTERIOR DOORS AND WINDOWS, TYP.

CONTINUOUS BACKER ROD & SEALANT - BOTH SIDES, TYP. SET UNDER FLASHING, TYP.

HOLLOW METAL DOOR FRAME GROUTED SOLID - SEE DOOR SCHEDULE FOR MORE INFORMATION, TYP.

B.O. CRANE RAIL BEAM
EL. 27'-9 1/4"

SEE A-21 FOR ROOF DETAILS

STEEL ANGLE

BENT PLATE

8" CMU BOND BEAM - SEE STRUCTURAL DRAWING FOR MORE INFORMATION, TYP. STEEL BEAM, SEE STRUCTURAL, TYP.

STEEL SPACER SEE STRUCTURAL, TYP.

CRANE BEAM, SEE STRUCTURAL

P:\PROJECTS\1510 NPS - NEWBURYPORT PUMP STATION\600-NPS-DWG\600-TITLEBLOCKS\KOC_Arch D 24x36 Vertical Title - BETA

PREPARED BY:



www.BETA-Inc.com
PLOT DATE: 8/29/2021 4:00:23 PM

REGISTERED PROFESSIONAL



SUBCONSULTANT:

DSK Dewing Schmid Kearns
ARCHITECTS + PLANNERS

30 Monument Square Suite 200B Concord, MA 01742 978.371.7500
280 Elm Street South Dartmouth, MA 02748 508.999.0440

PROJECT

MAIN LIFT
PUMP
STATION
IMPROVEMENTS

TAUNTON, MA

TITLE

RESTROOM DETAILS
AND PARTITION
TYPES

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY: TM
DESIGNED BY: DSK
CHECKED BY: MPS
DSK JOB No.: TPS-1795 DATE: 3/31/2022
BETA JOB No.: 5530

SCALE

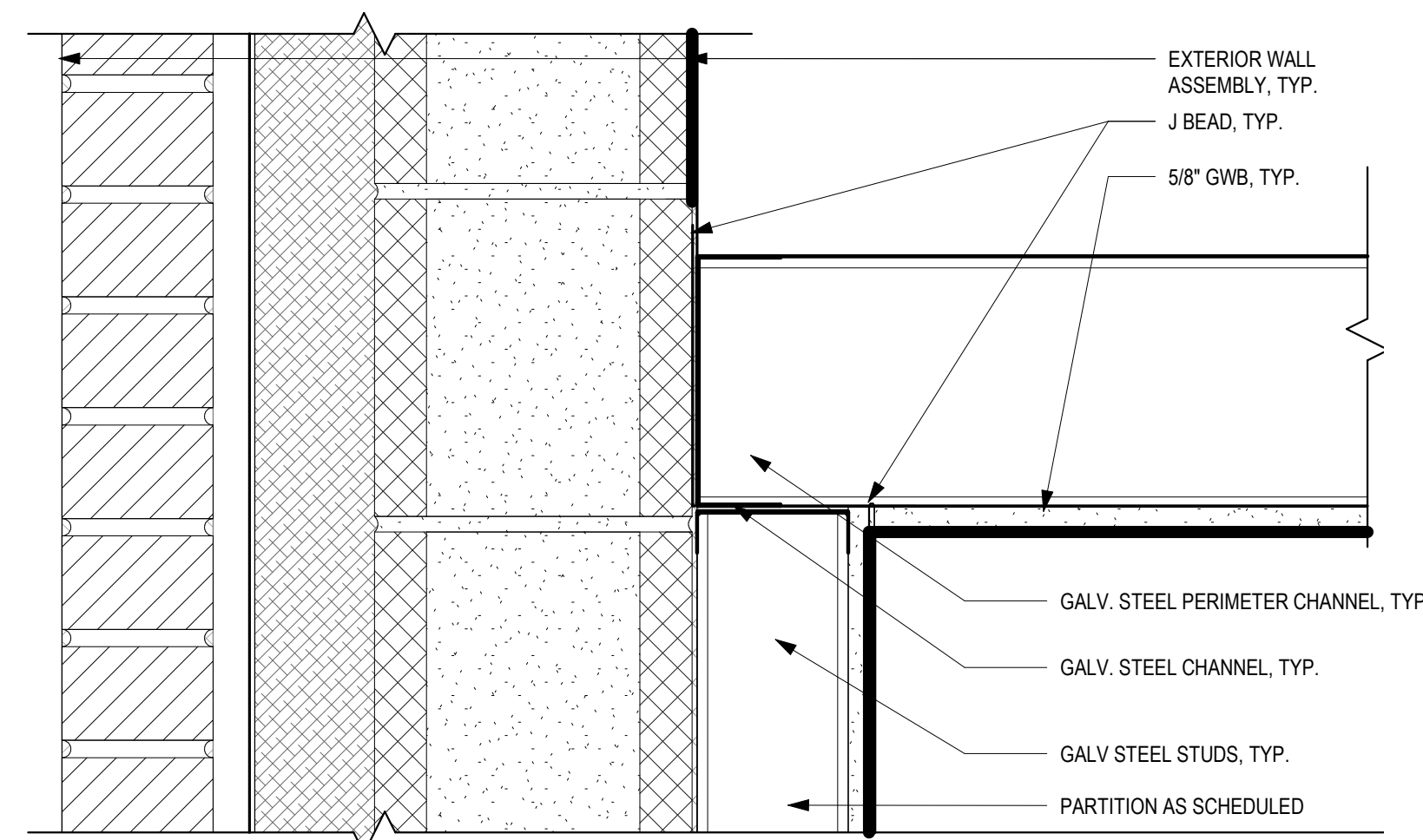
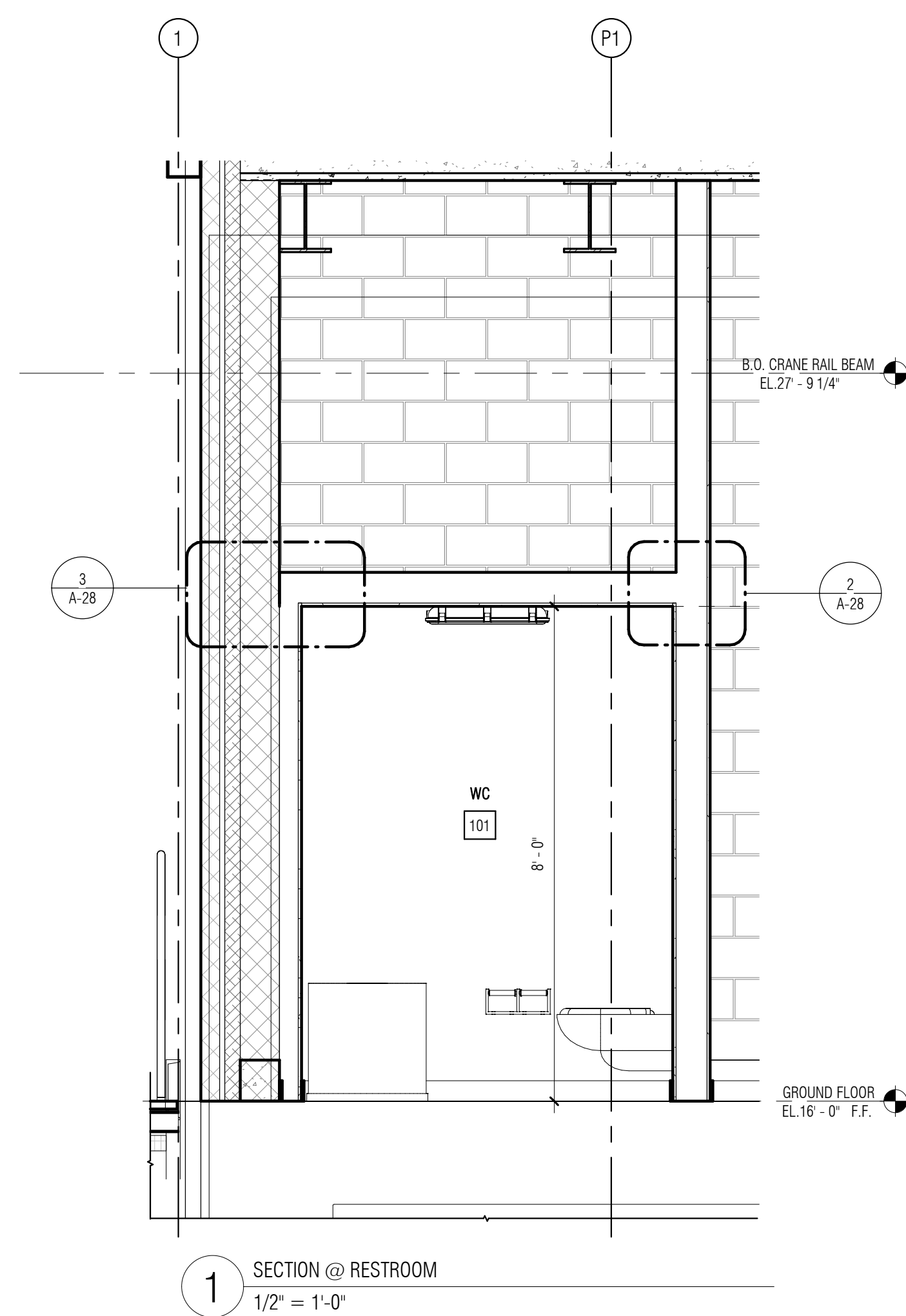
As indicated

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

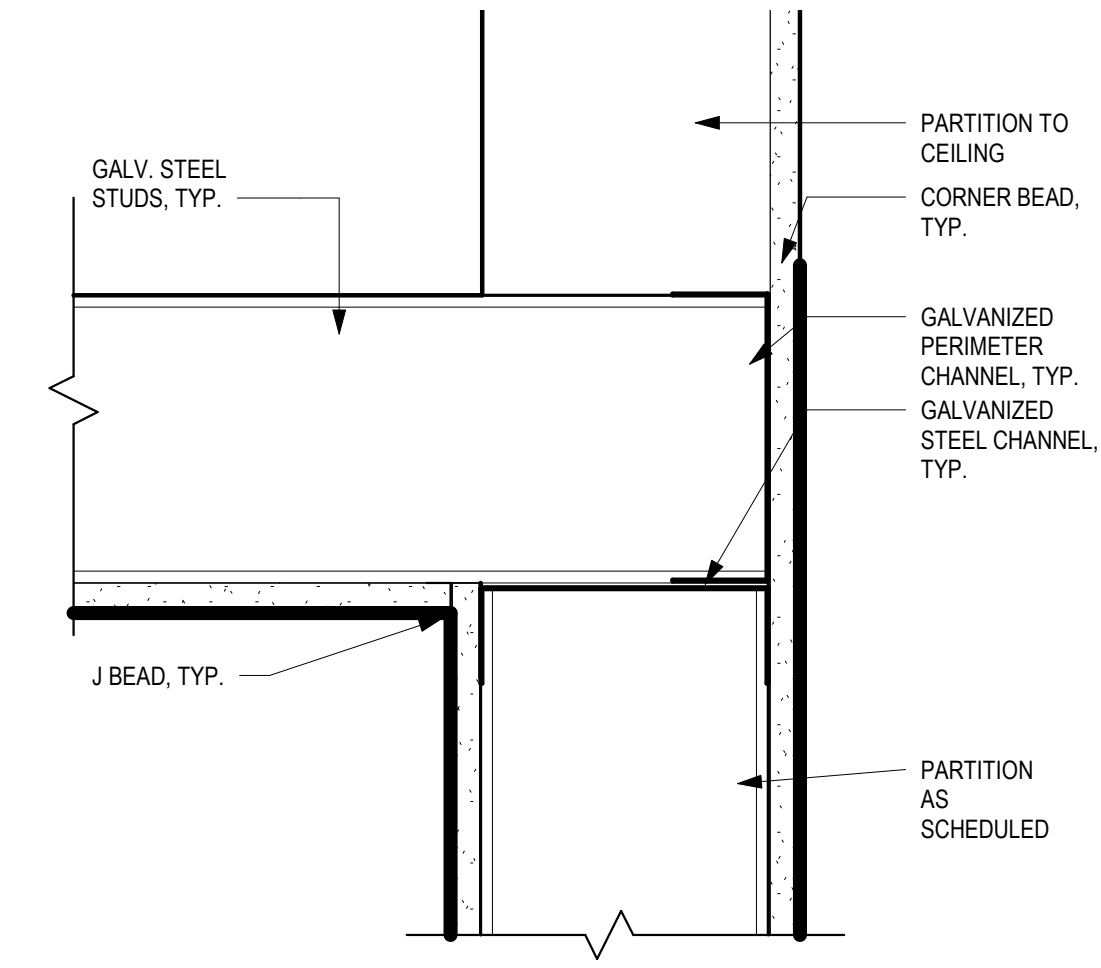
CONTRACT 2

SHEET NO.

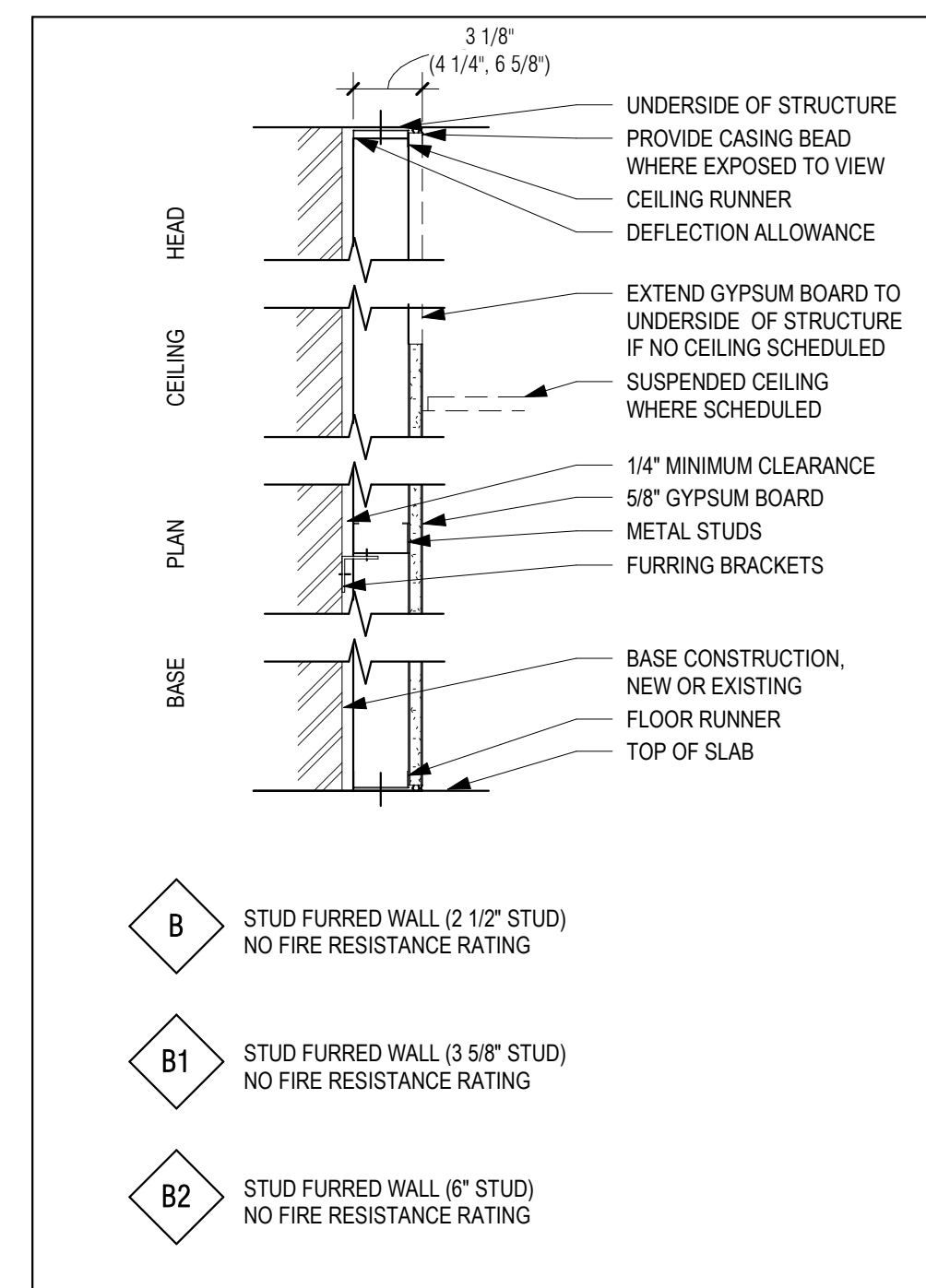
A-28



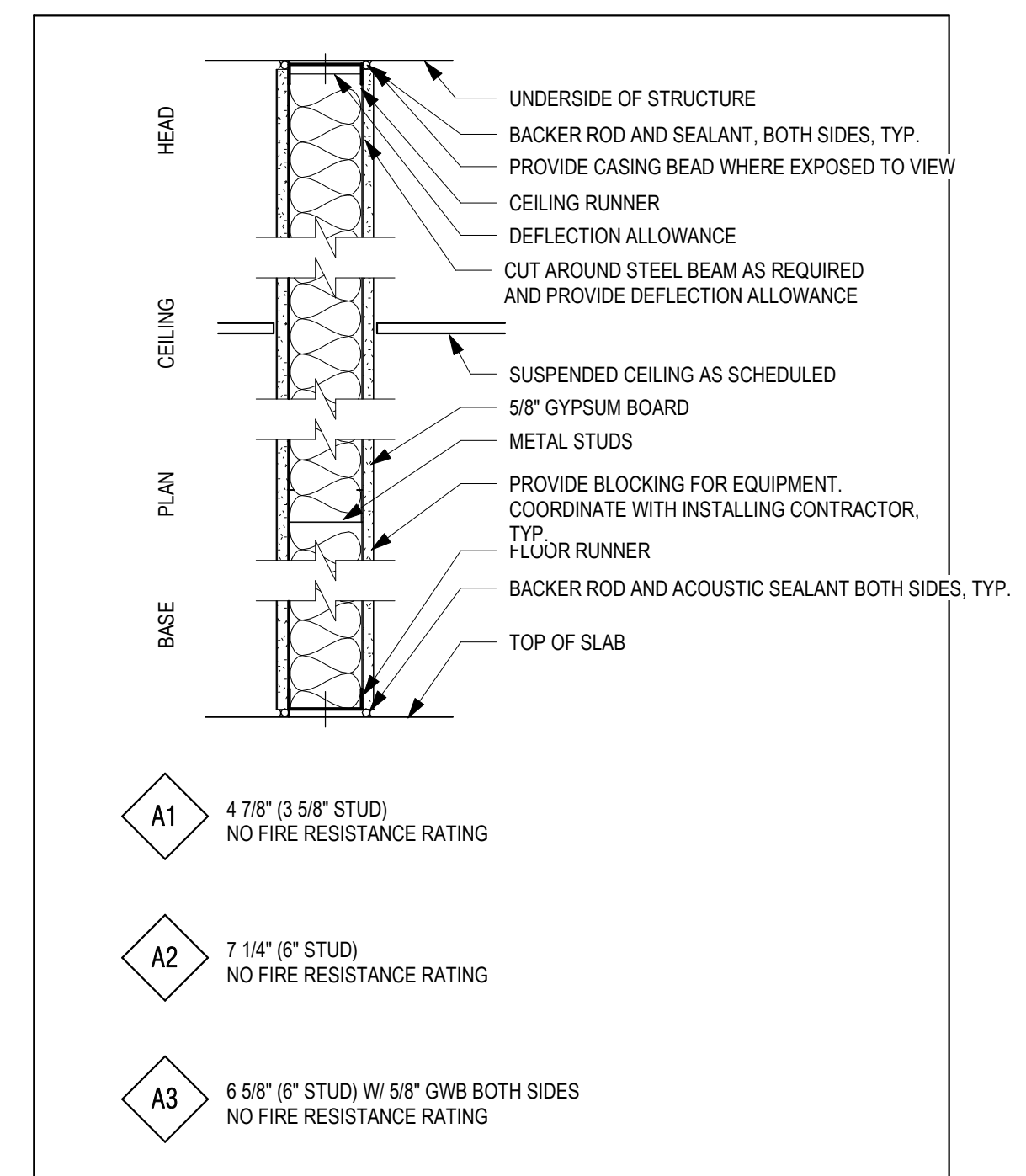
3 DETAIL @ METAL STUD WALL AND CMU TO CEILING
3" = 1'-0"



2 DETAIL @ METAL STUD WALL TO CEILING
3" = 1'-0"



B - STUD FURRED GWB PARTITION
1 1/2" = 1'-0"



A - SOUND ATTENUATED GWB PARTITION
1 1/2" = 1'-0"

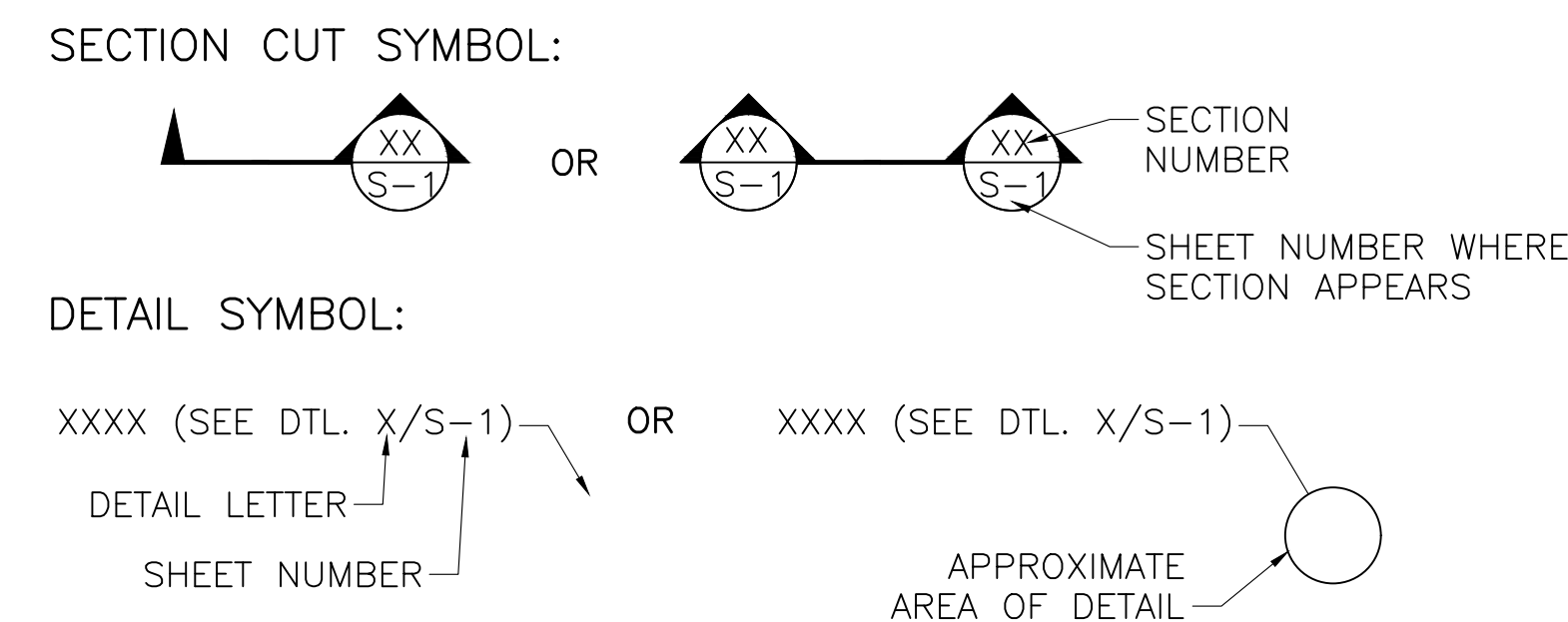
SUBMITTALS, TESTING, AND INSPECTIONS:

- SUBMITTALS AND TESTING SHALL BE AS REQUIRED BY THE MASSACHUSETTS STATE BUILDING CODE AND THESE FOLLOWING REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE FOR AN INDEPENDENT TESTING AGENCY TO PERFORM REQUIRED TESTING.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE TESTING AGENCY AND THE ENGINEERS OF RECORD ACCORDINGLY.
- NOTIFY THE GEOTECHNICAL ENGINEER OF RECORD PRIOR TO FOUNDATION EXCAVATION.
- NOTIFY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FIRST CONCRETE PLACEMENT.
- SUBMITTALS INCLUDE BUT NOT LIMITED TO:
DEWATERING
BORROW MATERIAL
CONCRETE MIX DESIGN
STEEL REINFORCING ACCESSORIES
STRUCTURAL STEEL/COLD FORMED METAL
CONCRETE MASONRY UNITS
MORTAR AND GROUT
STEEL JOIST & METAL DECKING
- TESTS/INSPECTIONS INCLUDES BUT NOT LIMITED TO:
EARTHWORK
CONCRETE STRENGTH
REINFORCING STEEL INSTALLATION
CONCRETE PLACEMENT AND CURING
STEEL BOLTING
MASONRY MATERIAL INSTALLATION
- THE CONTRACTOR SHALL KEEP COMPLETE AND ORGANIZED RECORDS OF ALL TESTS AND INSPECTIONS AND PROVIDE THEM TO THE ENGINEER SO THAT THE FINAL AFFIDAVIT CAN BE PREPARED. A BINDER SHALL BE MAINTAINED AT THE JOBSITE AT ALL TIMES FOR THE ENGINEER'S INSPECTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN ADVANCE, BEFORE CONCEALING ANY WORK THAT WILL REQUIRE OBSERVATION NEEDED TO PREPARE THE FINAL AFFIDAVIT.

LIST OF ABBREVIATIONS:

ARCH.	- ARCHITECTURAL	(LLH)	- LONG LEG HORIZONTAL
ADD'L	- ADDITIONAL	(LLV)	- LONG LEG VERTICAL
APPROX.	- APPROXIMATE	LOC.'S	- LOCATIONS
BRG.	- BEARING	MAX.	- MAXIMUM
B.O.	- BOTTOM OF	MIN.	- MINIMUM
C-C	- CENTER TO CENTER	MISC.	- MISCELLANEOUS
CL	- CENTERLINE	N.F.	- NEAR FACE
C.I.P.	- CAST IN PLACE	N.S.	- NEAR SIDE
CONC.	- CONCRETE	N.T.S.	- NOT TO SCALE
CONST.	- CONSTRUCTION	NO.	- NUMBER
CONT.	- CONTINUOUS	O.C.	- ON CENTER
C.Y.	- CUBIC YARD	O.D.	- OUTSIDE DIAMETER
d	- DEEP	O.F.	- OUTSIDE FACE
DET.	- DETAIL	PERIM.	- PERIMETER
DTL.	- DETAIL	P	- PLATE
DIA.	- DIAMETER	PVC	- POLYVINYL CHLORIDE
DWG.	- DRAWING	P.S.F.	- POUNDS PER SQUARE FOOT
EA.	- EACH	P.S.I.	- POUNDS PER SQUARE INCH
EL.	- ELEVATION	RAD.	- RADIUS
ELEV.	- ELEVATION	REINF.	- REINFORCING
EMBED.	- EMBEDMENT	REQ'D	- REQUIRED
E.F.	- EACH FACE	SECT.	- SECTION
E.S.	- EACH SIDE	SCH.	- SCHEDULE
E.W.	- EACH WAY	S.F.	- SQUARE FOOT
EXIST.	- EXISTING	SHT.	- SHEET
EXP.	- EXPANSION	SIM.	- SIMILAR
FIN.	- FINISH	SP.	- SPACES
F.O.	- FACE OF	S.S.	- STAINLESS STEEL
FT.	- FEET/FOOT	STD.	- STANDARD
FTG.	- FOOTING	STL.	- STEEL
GA.	- GAUGE	SYM.	- SYMMETRIC
GALV.	- GALVANIZED	t	- THICK
GC	- GENERAL CONTRACTOR	T&B	- TOP AND BOTTOM
h	- HIGH	T.O.	- TOP OF
HORIZ.	- HORIZONTAL	T.O.S.	- TOP OF SLAB
H.A.	- HIGH POINT	T.O.W.	- TOP OF WALL
I.F.	- INSIDE FACE	TYP.	- TYPICAL
IN.	- INCH	U.N.O.	- UNLESS NOTED OTHERWISE
I.D.	- INSIDE DIAMETER	VERT.	- VERTICAL
INFO.	- INFORMATION	W.W.F.	- WELDED WIRE FABRIC
INV.	- INVERT	w	- WIDE
JT.	- JOINT	w/	- WITH
K.S.I.	- KIPS PER SQUARE INCH	Ø	- DIAMETER
LG.	- LONG		

SECTION AND DETAIL DESIGNATIONS:



EXISTING HATCH SCHEDULE:

DOOR NUMBER	DOOR TYPE	LOCATION			DOOR						FRAME			FIRE RATING	HARDWARE	NOTES
		ROOM NAME	INT/EXT	WIDTH	LENGTH	PANEL THICKNESS	TOTAL PANEL COUNT	MAT'L	FINISH	GLAZING TYPE	FRAME TYPE	THRESHOLD TYPE	GASKET			
H-1	HATCH	PUMP CONTROL ROOM	INT	5'-0"	5'-0"	0'-1 1/8"	2	AL-1		N/A	F		YES		HD-8	
H-2	HATCH	PUMP CONTROL ROOM	INT	5'-0"	5'-0"	0'-1 1/8"	2	AL-1		N/A	F		YES		HD-8	
H-3	HATCH	EXTERIOR ENTRY PLATFORM	EXT	4'-0"	4'-0"	0'-1 1/8"	2	AL-1		N/A	F		YES		HD-7	
H-4	HATCH	EXTERIOR ENTRY PLATFORM	EXT	4'-0"	4'-0"	0'-1 1/8"	2	AL-1		N/A	F		YES		HD-7	
H-5	HATCH	EXTERIOR ENTRY PLATFORM	EXT	4'-0"	4'-0"	0'-1 1/8"	2	AL-1		N/A	F		YES		HD-7	
H-6	HATCH	EXTERIOR ENTRY PLATFORM	EXT	3'-6"	3'-6"	0'-1 1/8"	1	AL-1		N/A	F		YES		HD-7	

HD-7 MANUFACTURERS HARDWARE WITH TAMPER PROOF KEY SET FULLY WATERPROOF GASKET SEAL ALL AROUND
 HD-8 MANUFACTURERS HARDWARE

EXISTING CONCRETE PENETRATION SCHEDULE: [REFERENCE CONTRACT DOCUMENTS MAIN LIFT PUMP STATION FOUNDATION FOR INFORMATION NOT SHOWN IN THESE DRAWINGS]

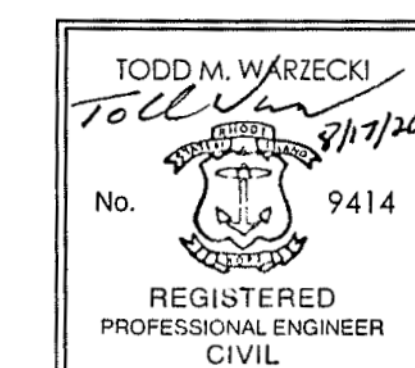
PENETRATION NUMBER	PENETRATION TYPE	PENETRATION LOCATION	CENTERLINE ELEVATION	PIPE DESCRIPTION	PIPE MATERIAL	NOMINAL PIPE SIZE (IN)	PENETRATION SIZE (IN)
P-1	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-18.63	PUMP SUCTION	DUCTILE IRON	18	N/A
P-2	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-18.63	PUMP SUCTION	DUCTILE IRON	18	N/A
P-3	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-18.63	PUMP SUCTION	DUCTILE IRON	18	N/A
P-4	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-18.63	PUMP SUCTION	DUCTILE IRON	18	N/A
P-5	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-18.63	PUMP SUCTION	DUCTILE IRON	18	N/A
P-6	WALL SLEEVE	INFLUENT CHAMBER	-2.05	INFLUENT SEWER	GALVANIZED STEEL	48	56
P-7	WALL SLEEVE	INFLUENT CHAMBER	-10.28	SIPHON DISCHARGE	GALVANIZED STEEL	24	28
P-8	WALL SLEEVE	INFLUENT CHAMBER	-2.00	SIPHON DISCHARGE	GALVANIZED STEEL	24	28
P-9	FLUSH FLANGE x MJ WALL PIPE	WEST PUMP ROOM WALL	-6.70	PUMP DISCHARGE HEADER	DUCTILE IRON	20	N/A
P-10	FLUSH FLANGE x MJ WALL PIPE	WEST MEZZANINE WALL	0.19	PUMP DISCHARGE HEADER	DUCTILE IRON	20	N/A
P-11	FLUSH FLANGE x FLUSH FLANGE WALL PIPE	PUMP ROOM SEPARATING WALL	-7.65	FORCE MAIN DRAIN	DUCTILE IRON	8	12
P-12	WALL SLEEVE	MEZZANINE SEPARATING WALL	11.50	SUMP PUMP	GALVANIZED STEEL	1 1/2	3 1/2
P-13	WALL SLEEVE	MEZZANINE SEPARATING WALL	11.50	SUMP PUMP	GALVANIZED STEEL	1 1/2	3 1/2
P-14	WALL SLEEVE	WET WELL-3	-2.00	OVERFLOW PIPE	GALVANIZED STEEL	24	28
P-15	PENETRATION	INFLUENT CHAMBER	12.66	VENTILATION	FORMED CONCRETE	16	N/A

PREPARED BY



REGISTERED PROFESSIONAL

SUBCONSULTANT



PROJECT

**Main Lift
Pump Station**

Taunton, MA

TITLE

**STRUCTURAL NOTES
(2 OF 2)**

NO. REVISIONS DATE

DRAWN BY: BWN

DESIGNED BY: TMW

CHECKED BY: CWJ

ISSUE DATE: 3/31/2022

BETA JOB NO.: 5530

SCALE

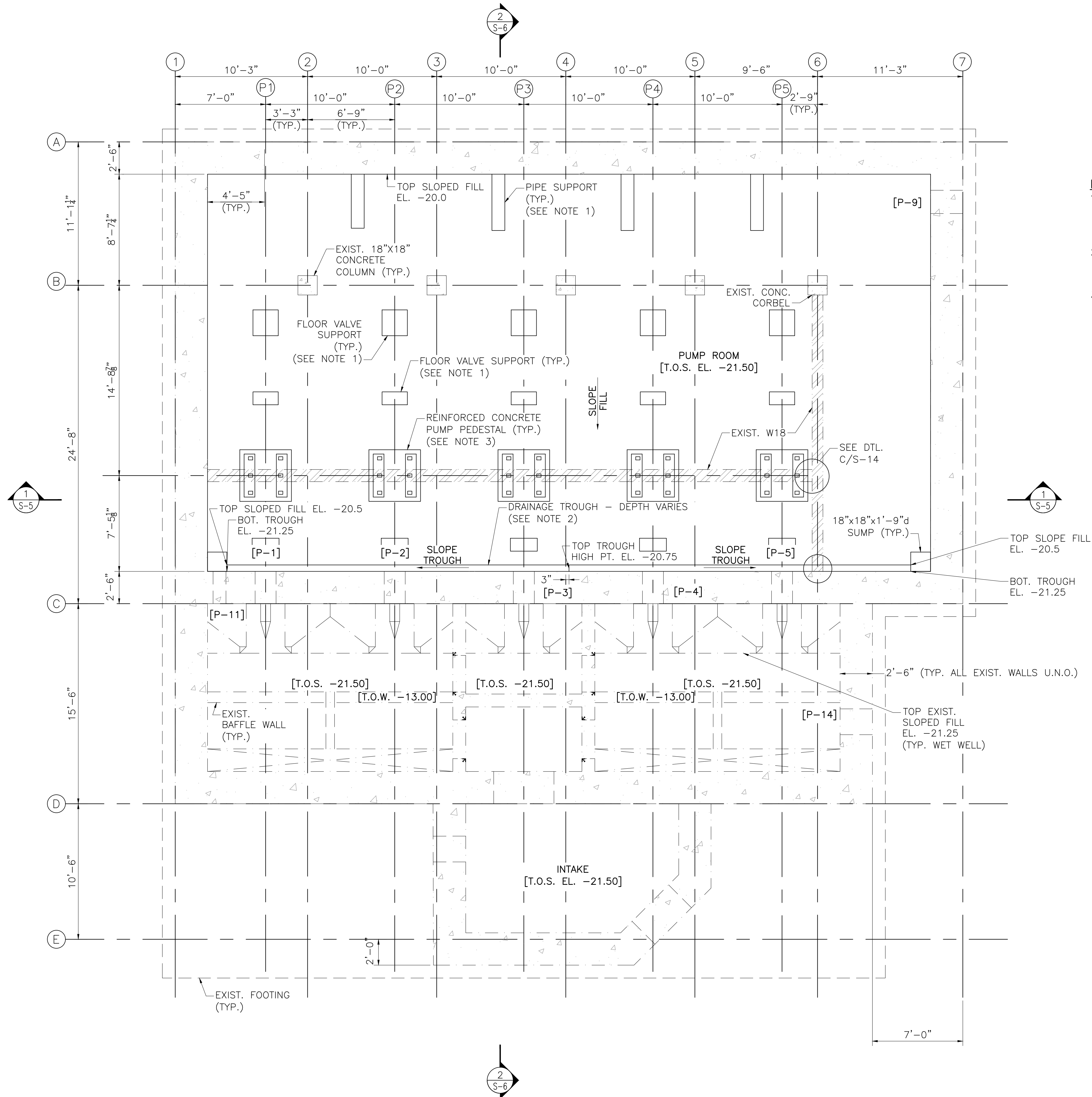
NONE

SHEET NO.

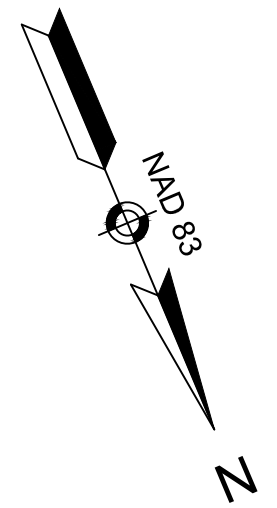
S-2

8/18/2020 3:42 PM J:\TAUNTON\MAIN LIFT PUMP STATION\TAUNTON\DRAWING\FILES\STRUCTURAL\PHASE 3\215530_SRF2.DWG (BETA STB B/W STB)

8/19/2020 3:42 PM J:\TAUNTONMAIN LIFT PUMP STATION\AUTOCAD\DRAWINGFILES\STRUCTURAL\PHASE 3\3-2\A530_SR2A.DWG (BETA STB BW STB)



- NOTES:**
1. PIPE AND FLOOR VALVE SUPPORT LOCATIONS ARE APPROXIMATE. SEE MECHANICAL DRAWINGS FOR PIPE SUPPORT DETAILS AND NOTES.
 2. SEE SHEET A-05 AND S-6 FOR ADDITIONAL SLOPED FILL AND DRAINAGE TROUGH ELEVATIONS.
 3. CONCRETE PUMP PEDESTALS SHOWN ARE FOR CONCEPTUAL PURPOSES. PEDESTAL SIZE, CONFIGURATION, AND ANCHORAGE TO BE SUPPLIED BY PUMP MANUFACTURER.



PREPARED BY

REGISTERED PROFESSIONAL

SUBCONSULTANT

PROJECT

**Main Lift
Pump Station**

Taunton, MA

TITLE

**EXISTING PUMP ROOM
PLAN**

NO.	REVISIONS	DATE

DRAWN BY: BWN
DESIGNED BY: TMW
CHECKED BY: CWJ
ISSUE DATE: 3/31/2022
BETA JOB NO.: 5530

SCALE

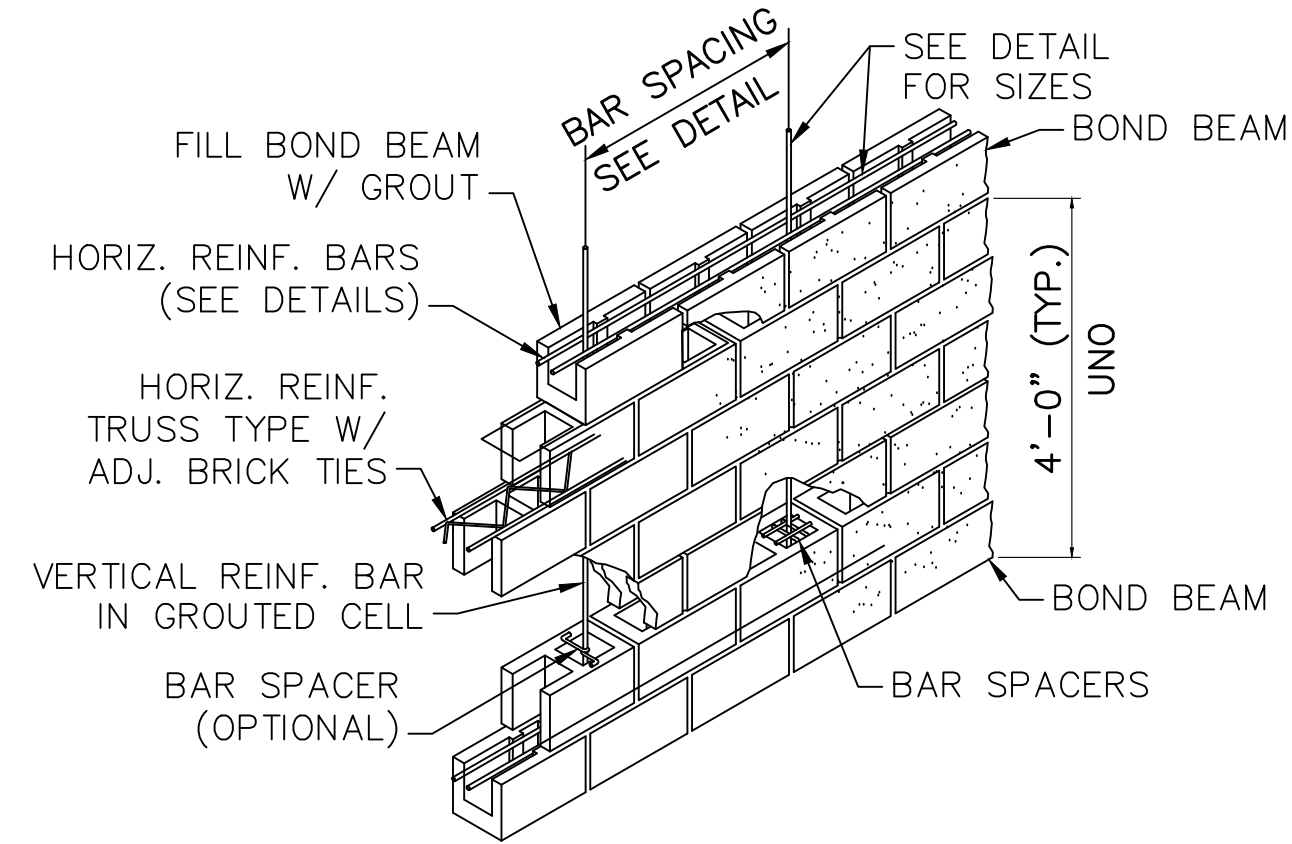
AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

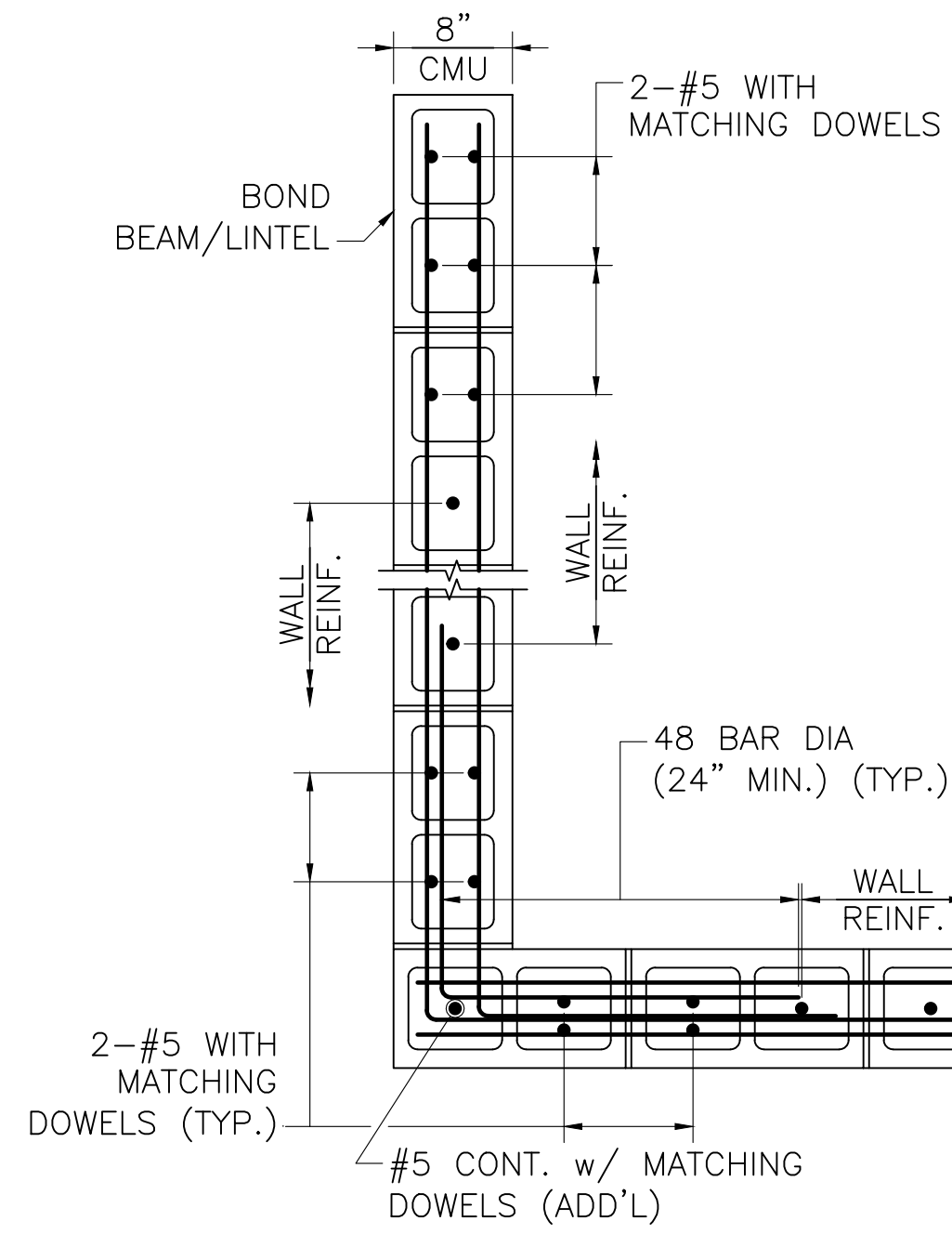
SHEET NO. **S-3**

[PLAN @ ELEV. -21.50]
PUMP ROOM PLAN
 SCALE: 3/4" = 1'-0"

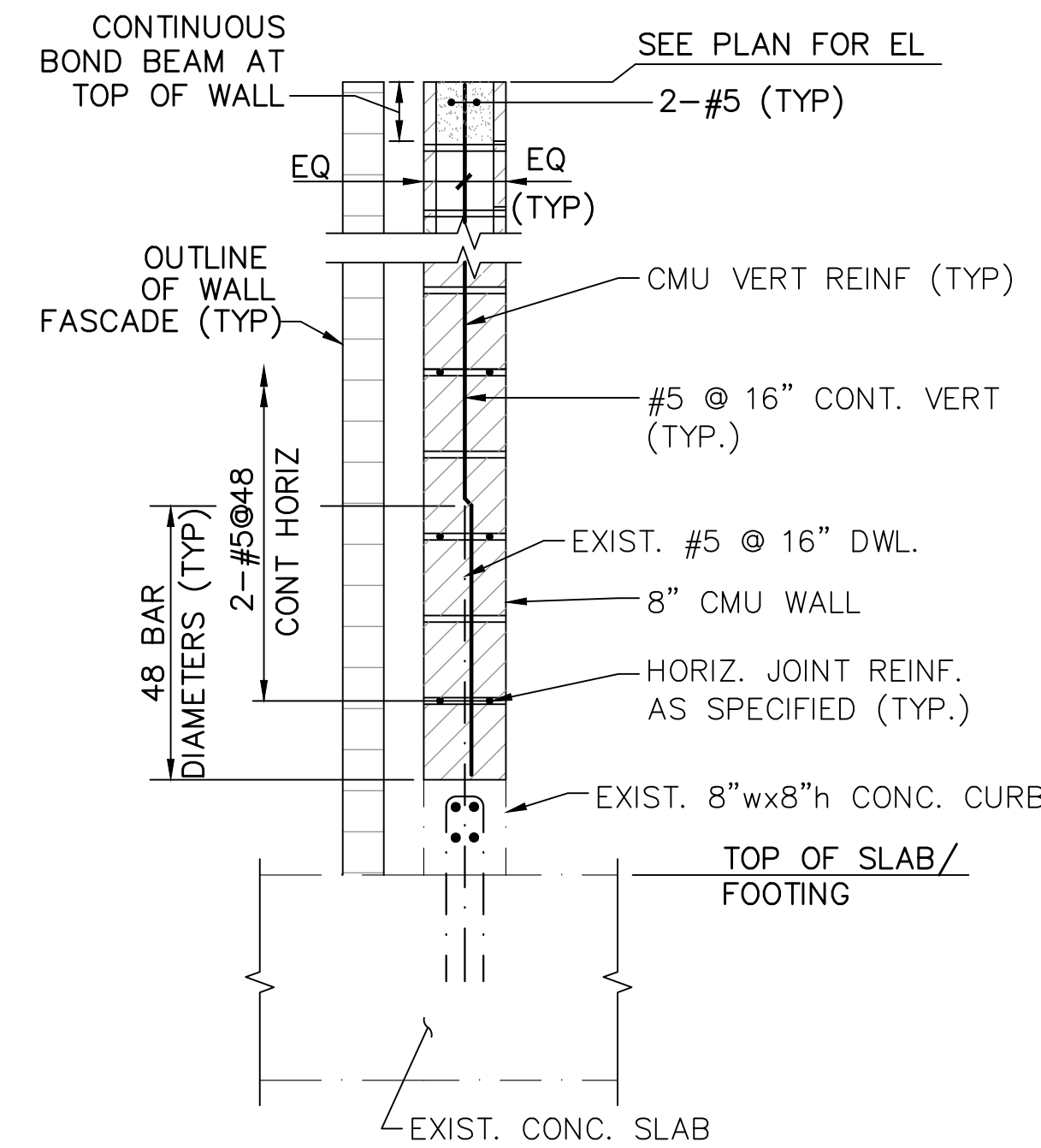
8/19/2020 3:47 PM J:\TAUNTON\MAIN LIFT PUMP STATION\AUTOCAD\DRAWING\FILES\STRUCTURAL\PHASE 3\3-216530_SRI12.DWG (BETA STB BW STB)



CMU WALL CONSTRUCTION
SCALE: NOT TO SCALE



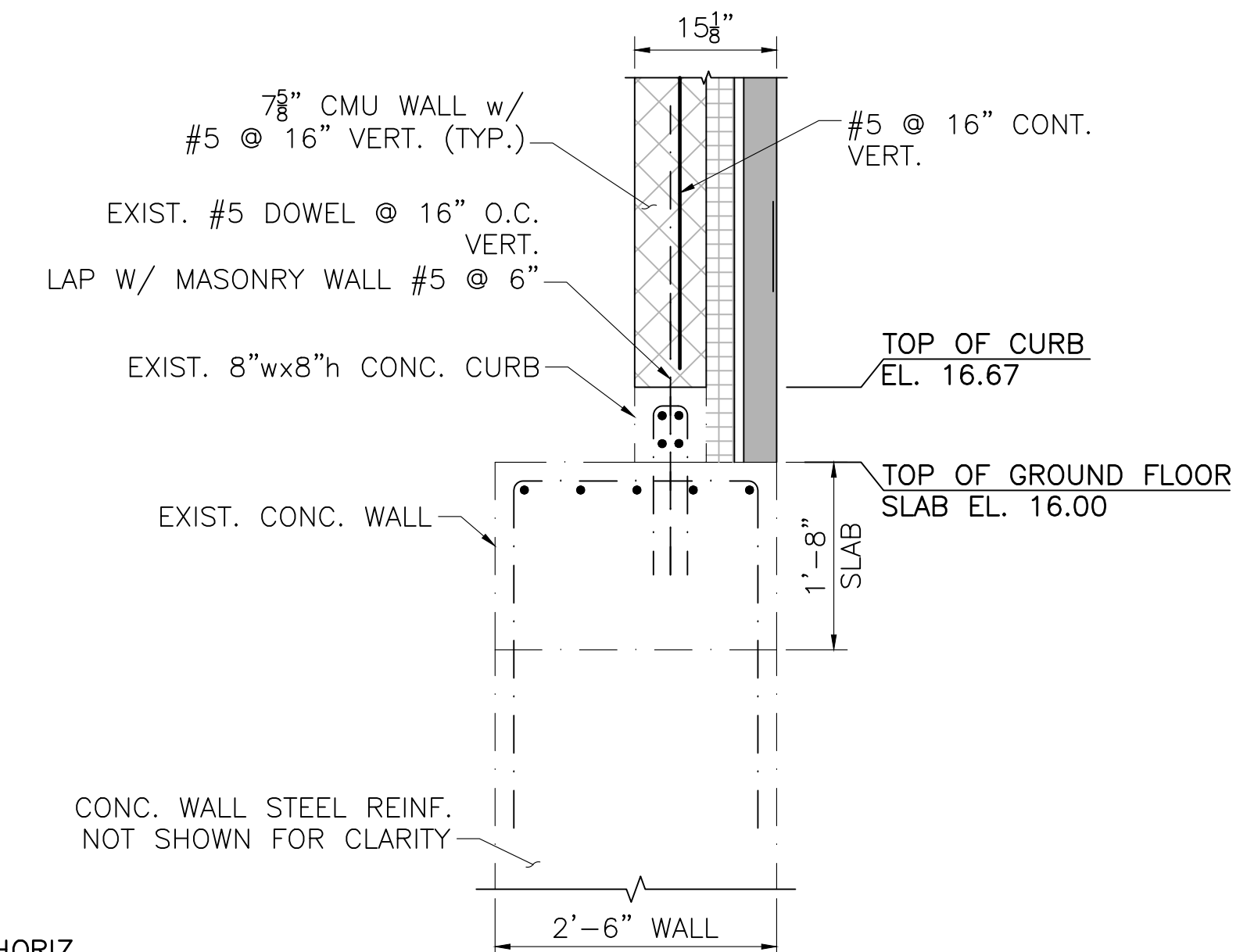
TYPICAL CMU WALL CORNER AND AT END
NOT TO SCALE



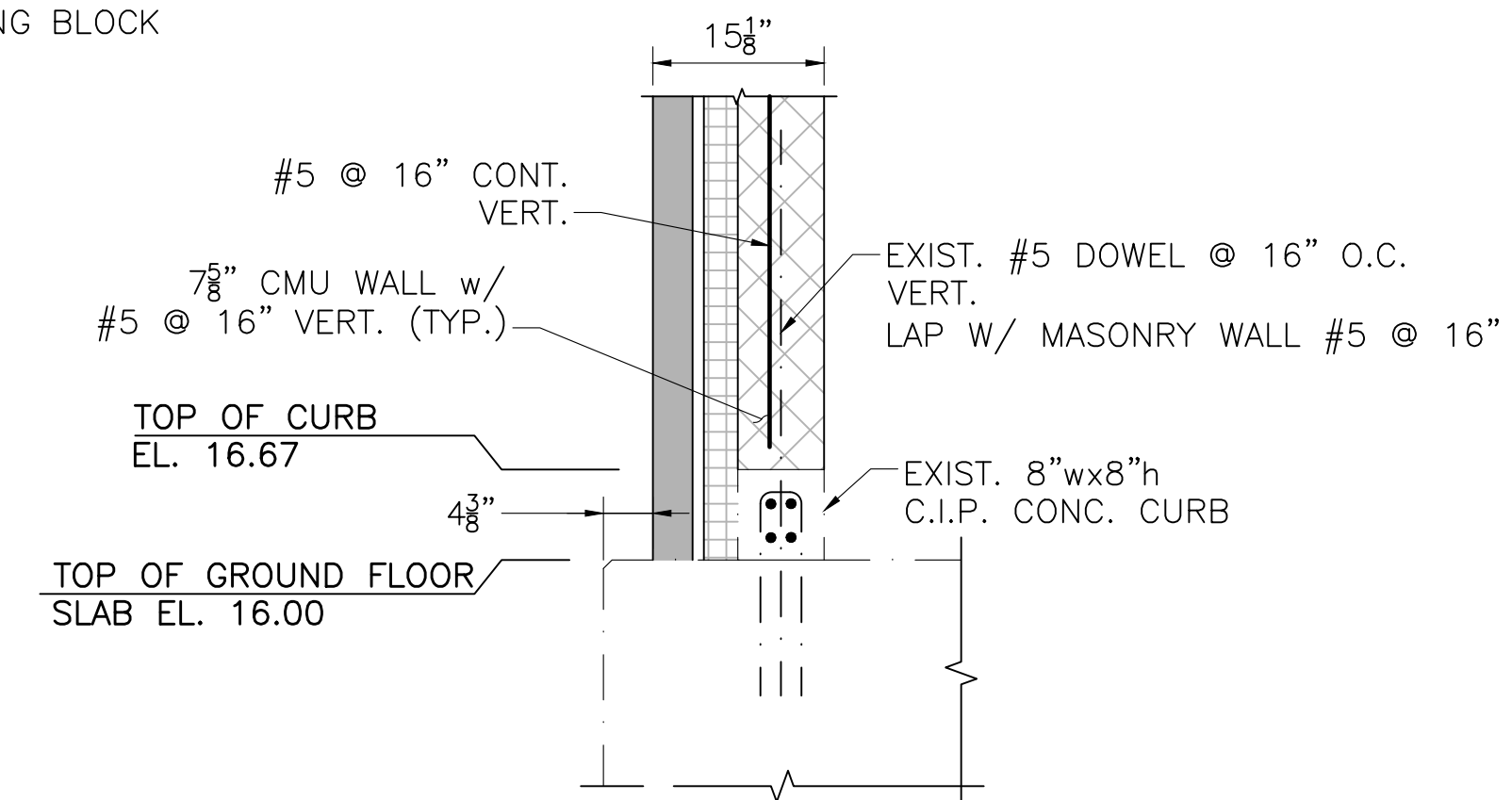
TYPICAL CMU WALL REINFORCING
SCALE: 3/4" = 1'-0"

CMU MASONRY NOTES:

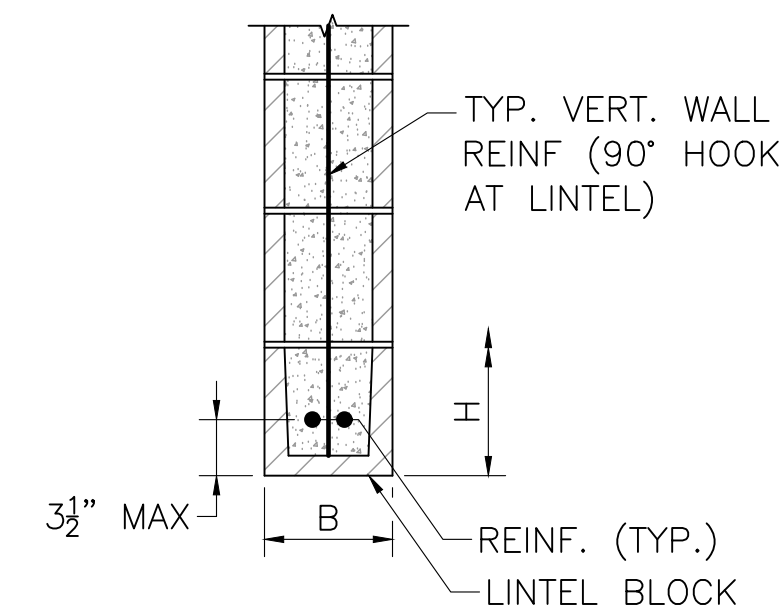
1. $f'_m = 2000$ P.S.I. (MIN.)
2. CMU MASONRY DETAILS, ELEVATIONS AND NOTES ON THIS SHEET APPLY TO ALL CMU EXTERIOR AND INTERIOR WALLS U.N.O. (WALLS CONSIST OF A SINGLE CMU WYTHE AND ONE BRICK WYTHE)
3. FULLY GROUT ALL CELLS AND COURSES WITH VERTICAL OR HORIZONTAL REINFORCING. PROVIDE 2" MINIMUM CLEAR COVER TO THE REINFORCING (U.N.O.).
4. ALL HORIZONTAL REINFORCING, EXCEPT IN THE LINTELS, SHALL BE PLACED IN A CMU BOND BEAM BLOCK. PROVIDE GALVANIZED METAL LATH IN THE HORIZONTAL JOINT BELOW THE BLOCK TO RETAIN THE GROUT.
5. PROVIDE A CONTINUOUS BOND BEAM WITH 2-#5 CONTINUOUS HORIZONTAL BARS AT THE TOP OF ALL WALLS.
6. REINFORCING LAP SPlice LENGTH = 48 BAR DIAMETERS (24" MINIMUM).
7. PROVIDE HORIZONTAL JOINT REINFORCING AS NEEDED.
8. REINFORCING BARS TO EXTEND 12 BAR DIAMETERS BUT NOT LESS THAN 12" BEYOND BEND U.N.O.
9. FOR PLAN LOCATION OF MASONRY WALLS AND OTHER MASONRY DETAILS, SEE ARCHITECTURAL DRAWINGS.
10. FOR LOCATION AND SIZE OF MASONRY WALL OPENINGS, SEE ARCHITECTURAL DRAWINGS.



SECTION 11 AT STAIRWAY OPENING
SCALE: 3/4" = 1'-0"



SECTION 12
SCALE: 3/4" = 1'-0"

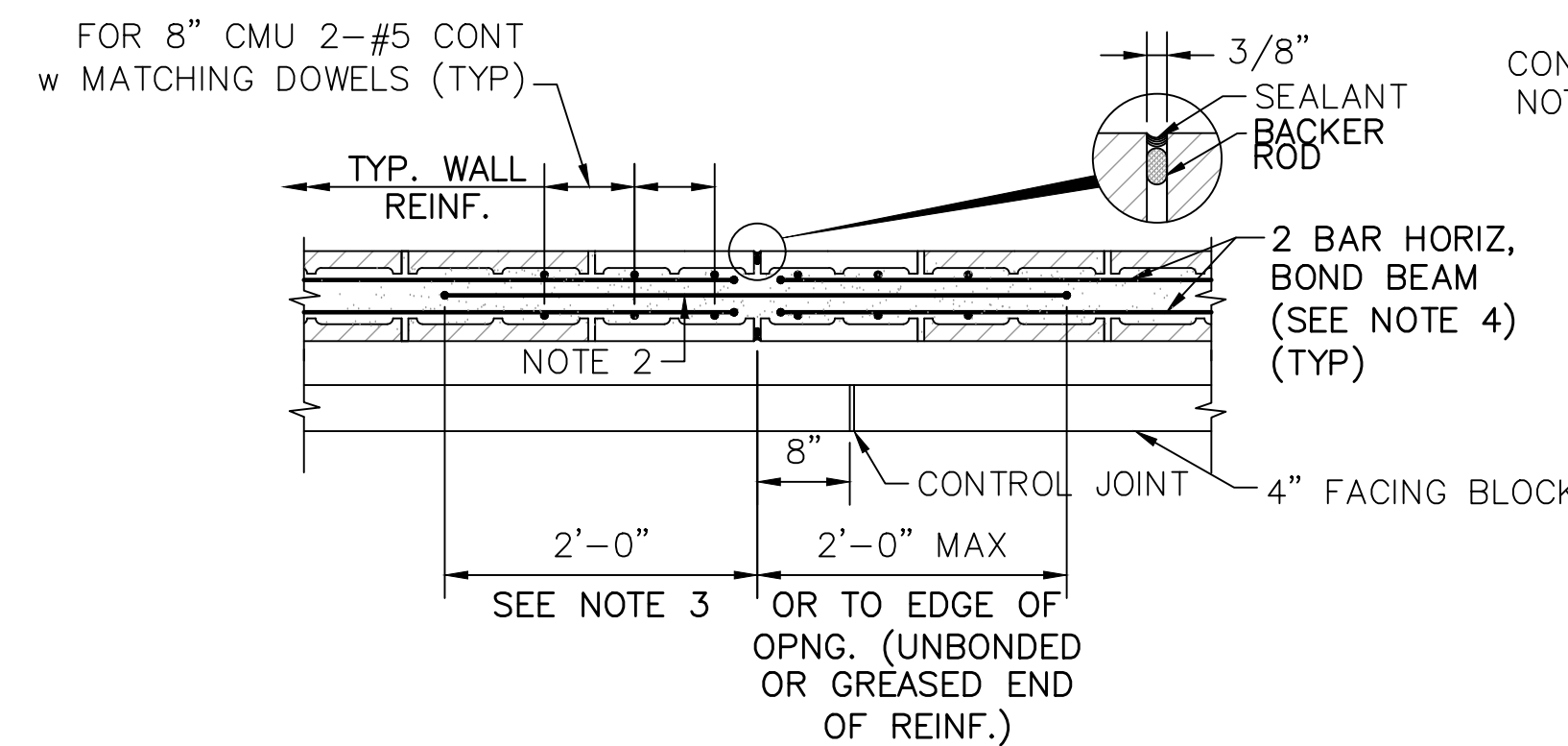


TYPICAL CMU LINTEL
NOT TO SCALE

MARK/LOCATION	W	B	H	REINF.
L1	< 3'-0"	WIDTH OF CMU WALL	8"	2-#5 BOT.
L2	> 3'-0" BUT < 6'-0"	WIDTH OF CMU WALL	16"	2-#5 BOT.

NOTES:

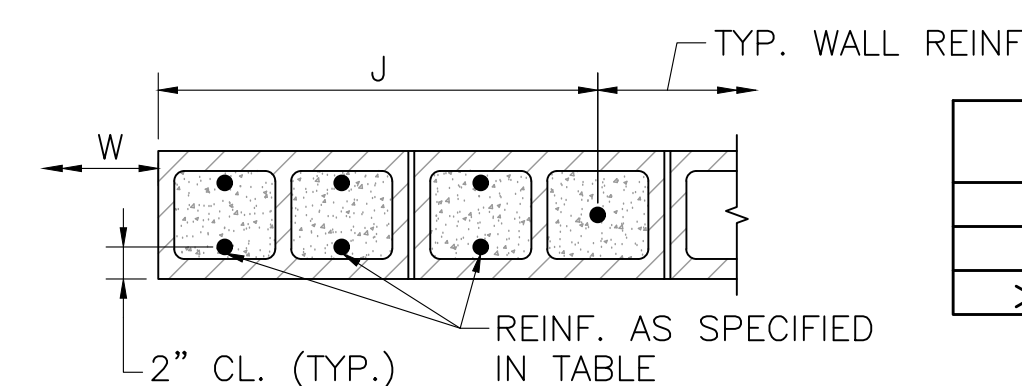
1. PROVIDE 8" MINIMUM BEARING AT EACH SIDE OF CLEAR SPAN.
2. FULLY GROUT CMU OVER DEPTH "H" TO ENDS OF BEARING.
3. MAY CONSIST OF FULLY GROUTED H=16" CMU LINTEL BLOCK OR H = 8" CMU LINTEL BLOCK PLUS 8" CMU BLOCK(S), FULLY GROUTED.



NOTES:

1. TERMINATE HORIZ. REINFORCEMENT WITH A STANDARD HOOK TWO INCHES FROM CONTROL JOINTS.
2. PROVIDE SMOOTH DOWEL IDENTICAL TO HORIZONTAL BAR DIAMETER ACROSS THE JOINT AT HORIZONTAL BAR LOCATIONS. PREVENT BOND BETWEEN BAR AND GROUT ON ONE SIDE OF JOINT WITH PLASTIC SLEEVE OR GREASE. CAP ALL DOWELS TO ALLOW ONE INCH OF MOVEMENT.
3. PROVIDE STD. HOOK ON SIDE WITH BOND IF 2'-0" LENGTH IS NOT POSSIBLE.
4. CONTINUE HORIZ REINF THROUGH MCJ @ BEAM BEARING, DECK BEARING, T.O.W. BOND BEAMS AND LINTEL REINF. SMOOTH DOWEL BAR NOT REQUIRED.

MASONRY CONTROL JOINT (MCJ)
SCALE: 3/4" = 1'-0"

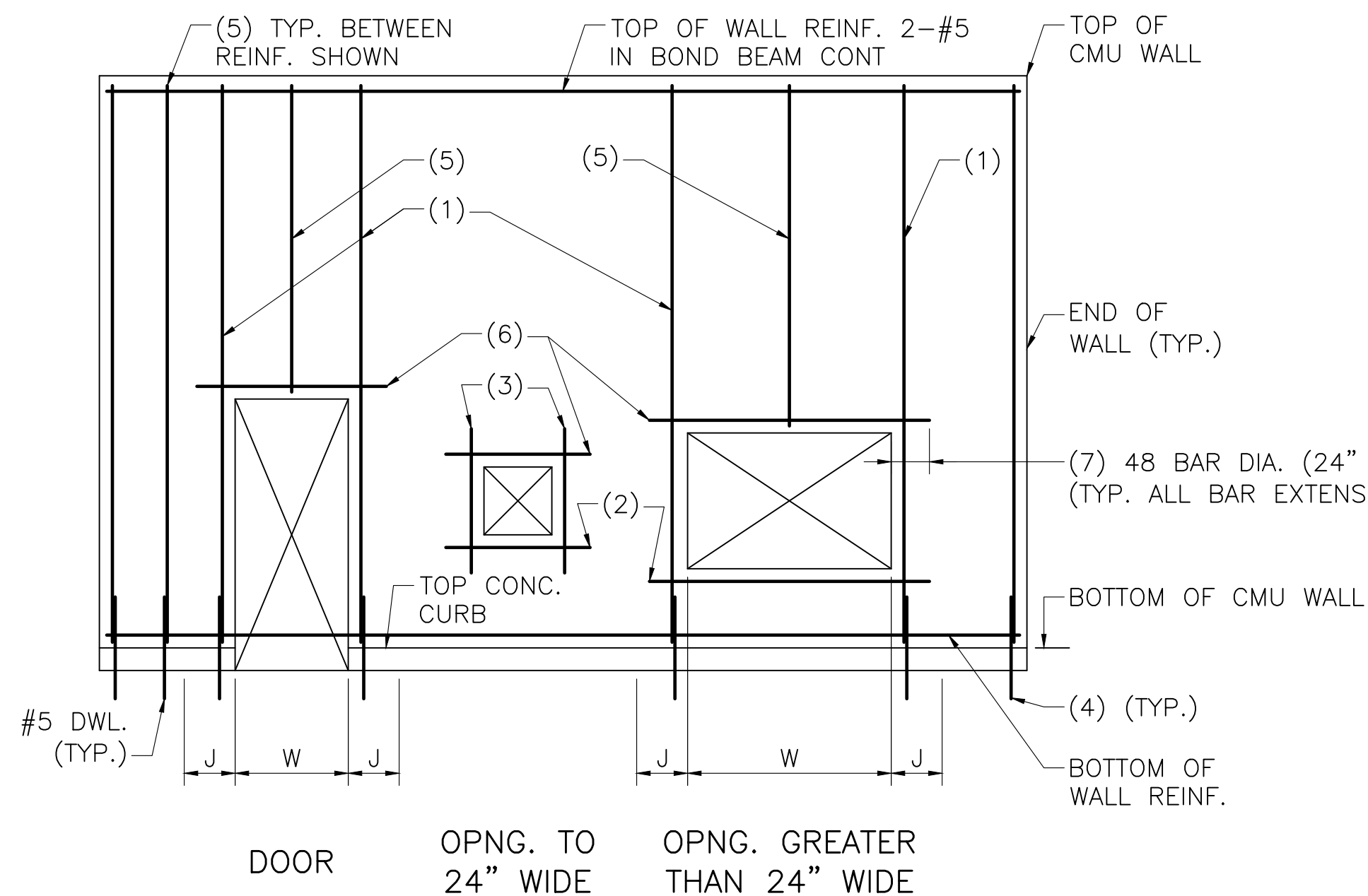


TYPICAL CMU WALL OPENING
NOT TO SCALE

W	JAMB WIDTH, J	VERTICAL REINF.
< 3'-4"	1'-6"	2-#5 @ 16" O.C. E.F.
> 3'-4" BUT < 6'-8"	2'-0"	2-#5 @ 8" O.C. E.F.
> 6'-8" BUT < 12'-0"	2'-8"	2-#5 @ 8" O.C. E.F.

LEGEND

- (1) SEE TYPICAL CMU WALL OPENING DETAIL THIS SHEET.
- (2) SILL BARS, 2-#5 IN BOND BEAM.
- (3) 1-#5 EACH SIDE.
- (4) SEE TYPICAL CMU WALL CORNER AND END DETAIL THIS SHEET.
- (5) BETWEEN BARS SHOWN, PROVIDE TYPICAL WALL REINFORCING PER TYPICAL CMU WALL REINFORCING DETAIL ON THIS SHEET.
- (6) SEE TYPICAL CMU LINTEL DETAIL ON THIS SHEET, AND ARCHITECTURAL DRAWINGS.
- (7) IF FULL LENGTH IS NOT AVAILABLE, EXTEND AS FAR AS POSSIBLE, HOOK 90°, THEN EXTEND, BEYOND BEND, REMAINDER OF LENGTH REQUIRED (BUT NOT LESS THAN 12")



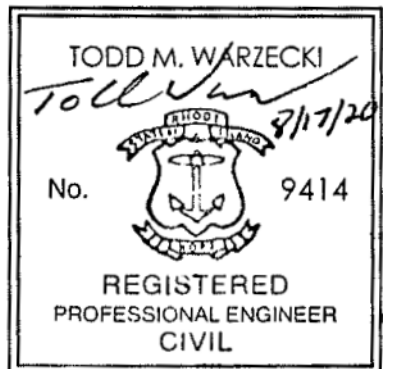
TYPICAL CMU WALL ELEVATION
NOT TO SCALE

PREPARED BY



REGISTERED PROFESSIONAL

SUBCONSULTANT



PROJECT

**Main Lift
Pump Station**

Taunton, MA

TITLE

MASONRY DETAILS

NO. REVISIONS DATE

DRAWN BY: BWN

DESIGNED BY: TMW

CHECKED BY: CWJ

ISSUE DATE: 3/31/2022

BETA JOB NO.: 5530

SCALE

AS SHOWN

SHEET NO.

S-13

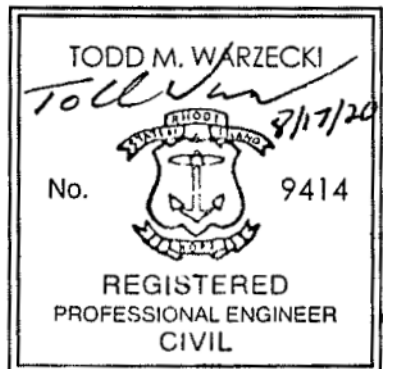
PREPARED BY



www.BETA-Inc.com

REGISTERED PROFESSIONAL

SUBCONSULTANT



PROJECT

Main Lift
Pump Station

Taunton, MA

TITLE

MISCELLANEOUS
DETAILS

NO. REVISIONS DATE

DRAWN BY: BWN

DESIGNED BY: TMW

CHECKED BY: CWJ

ISSUE DATE: 3/31/2022

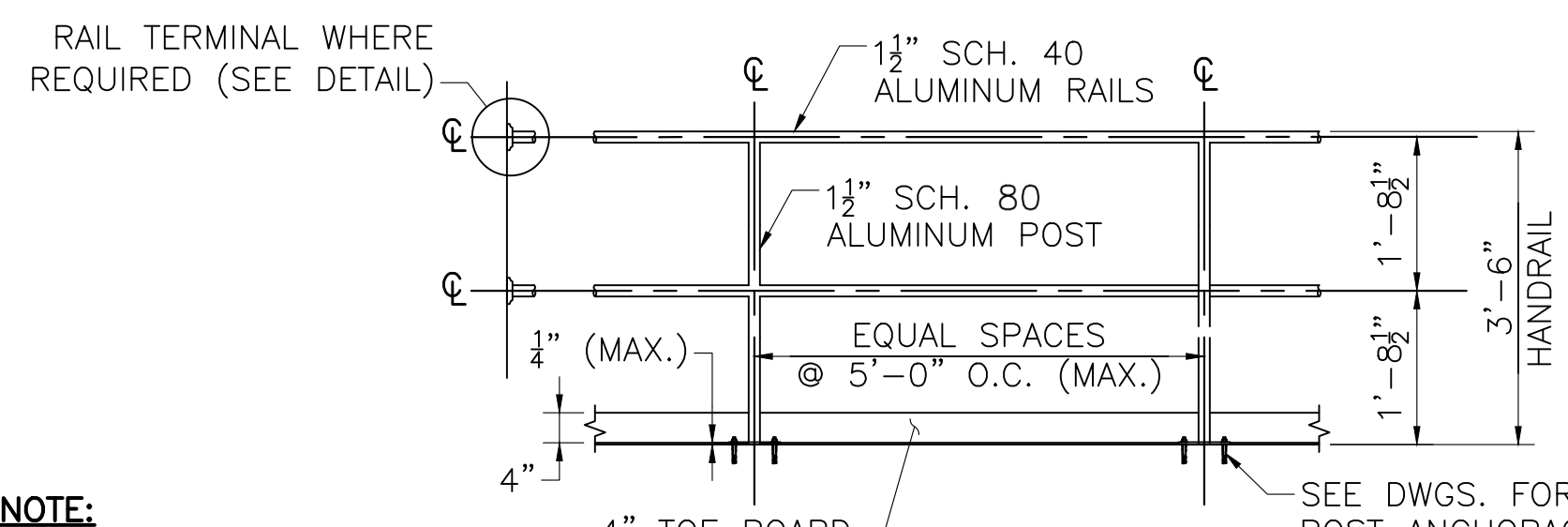
BETA JOB NO.: 5530

SCALE

AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO. S-14



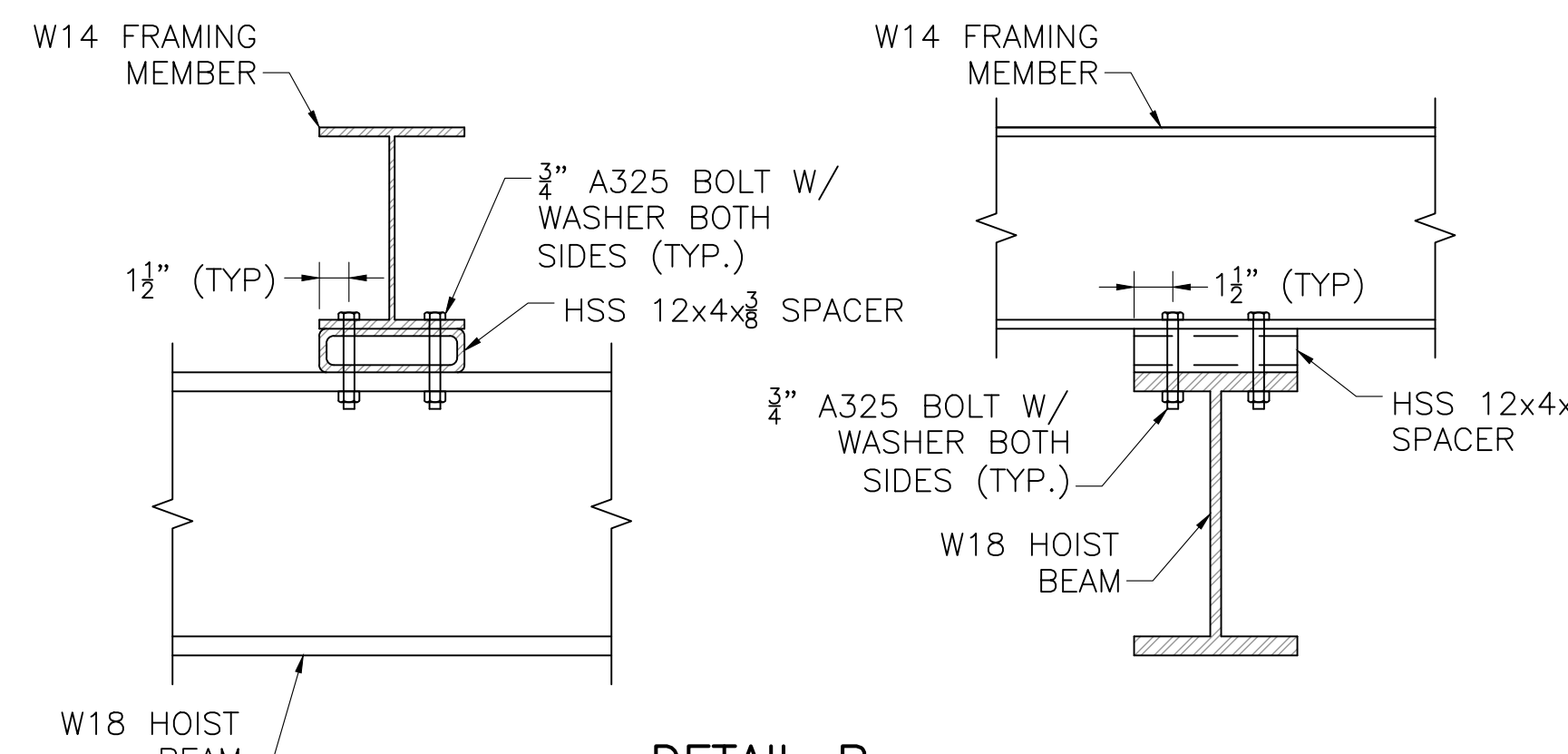
NOTE:

1. COAT SURFACE IN CONTACT WITH DISSIMILAR MATERIALS WITH BITUMASTIC COATING AS PER THE SPECIFICATIONS.

TWO-BAR HANDRAIL

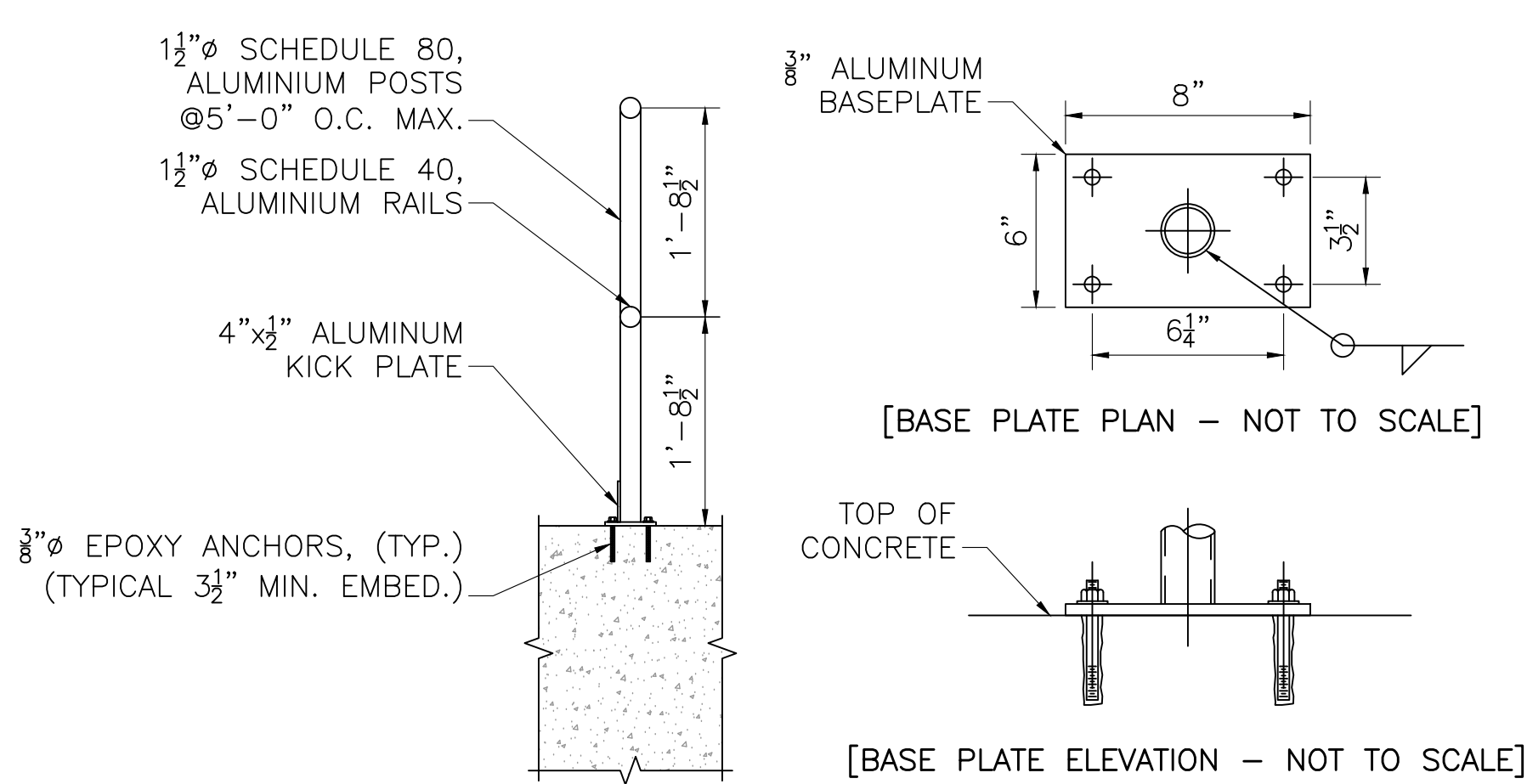
SCALE: 1/2" = 1'-0"

1. FASTEN RAIL TERMINAL TO WALL BRACKET PER MFR'S RECOMMENDATIONS.
2. WALL FLANGE TO BE MOUNTED TO WALL W/ (2) 3/8" S.S. EPOXY ANCHORS.



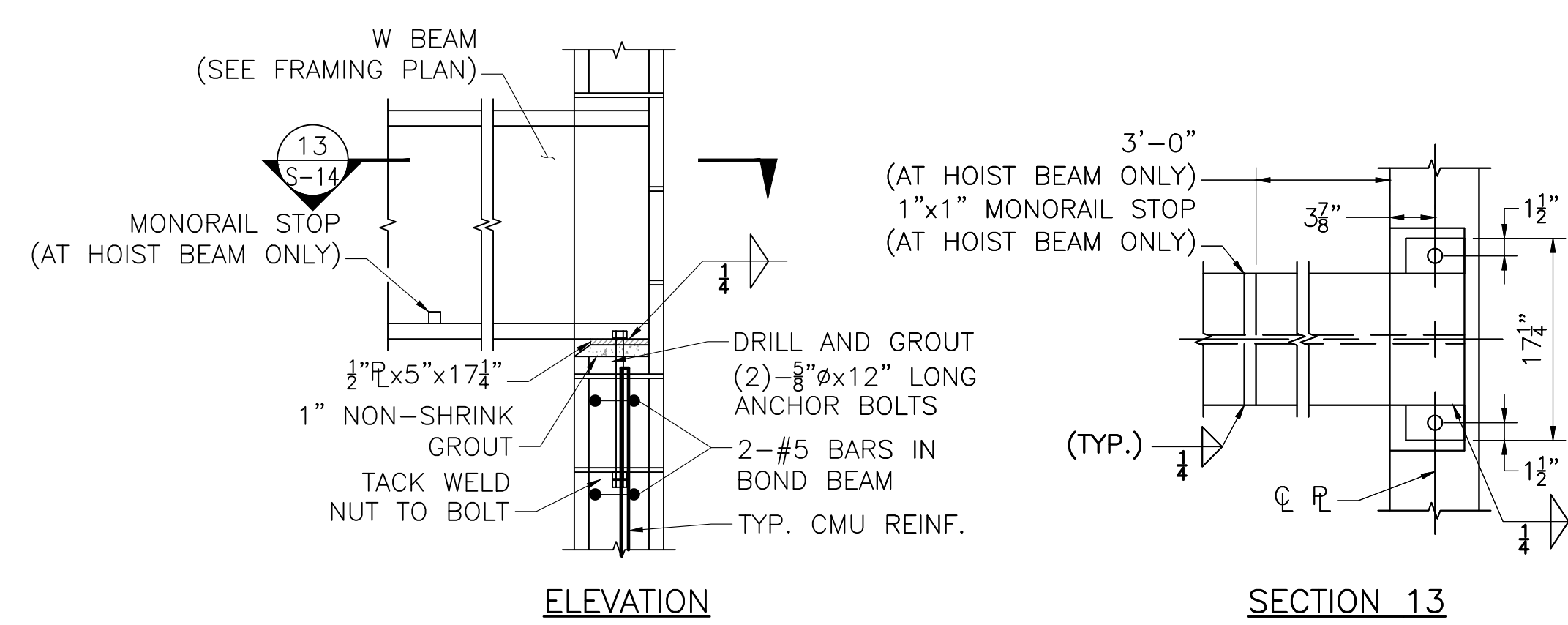
DETAIL B

SCALE: 1" = 1'-0"



TOP MOUNTED HANDRAIL DETAIL

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

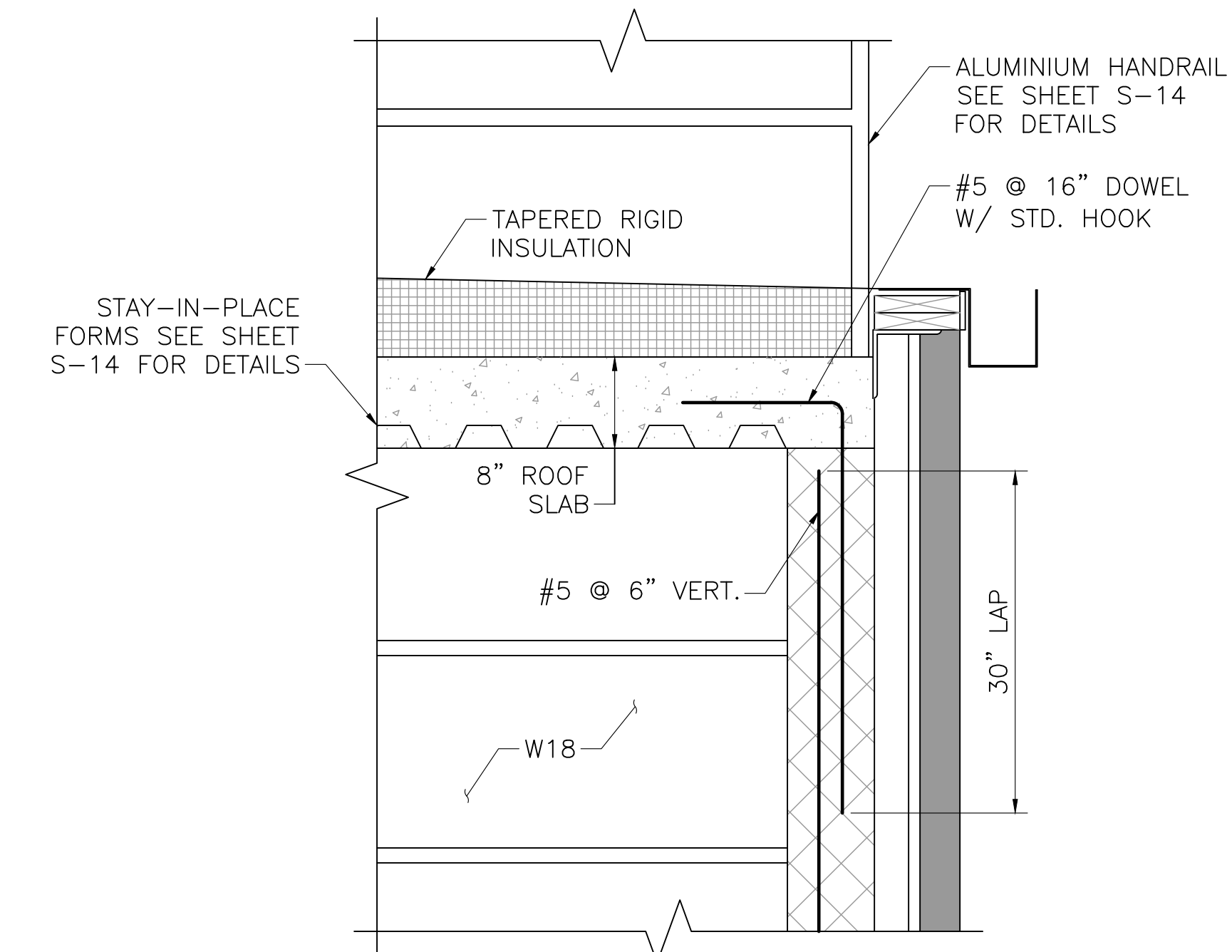


ELEVATION

SECTION 13

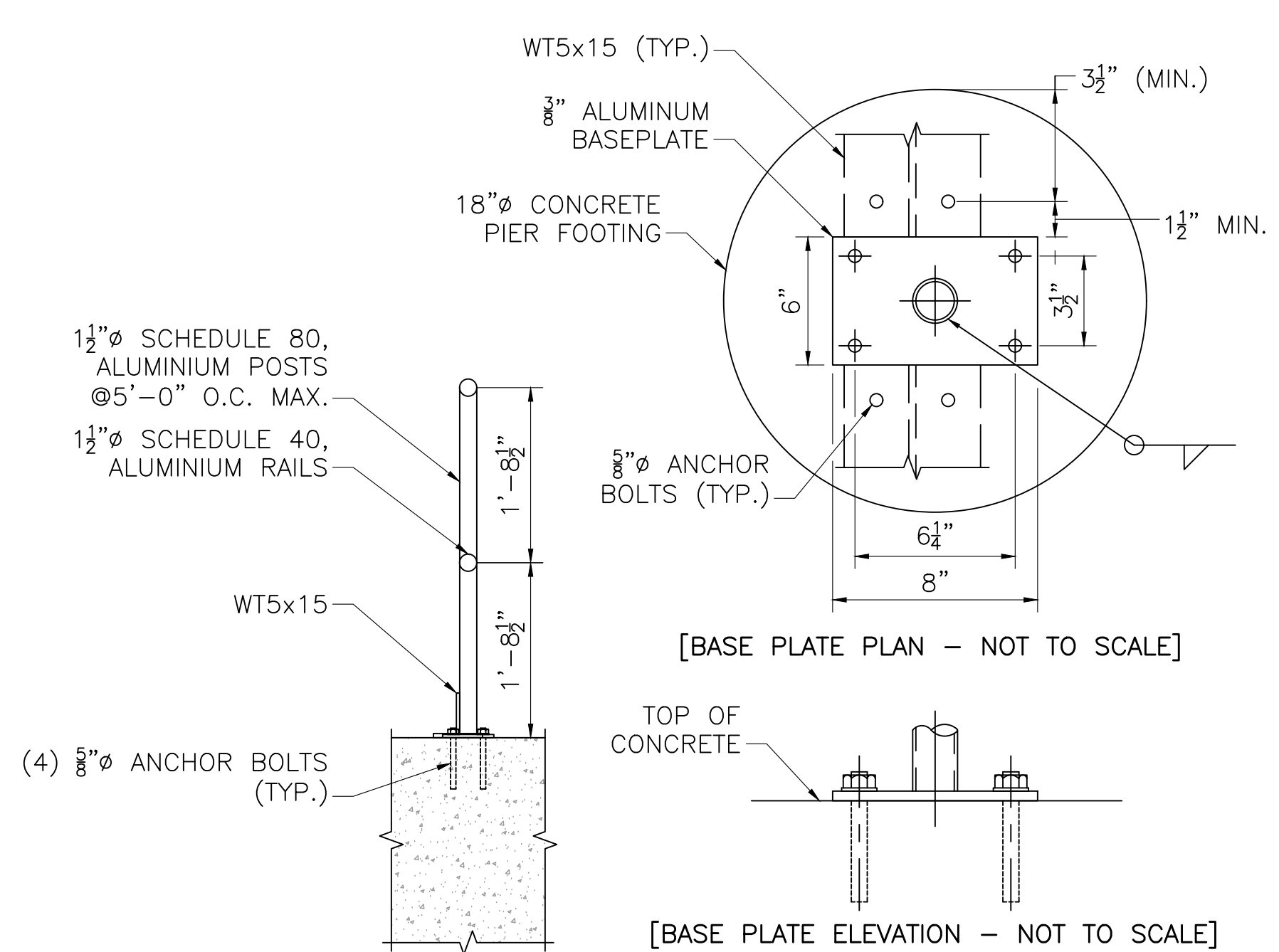
DETAIL C

NOT TO SCALE



DETAIL D

SCALE: 1" = 1'-0"

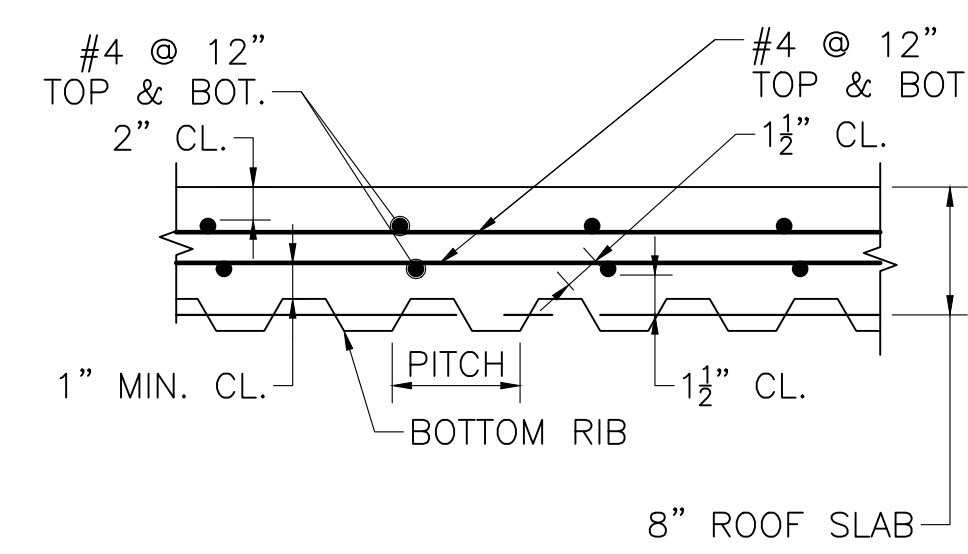


TOP MOUNTED HANDRAIL DETAIL - GENERATOR PAD

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

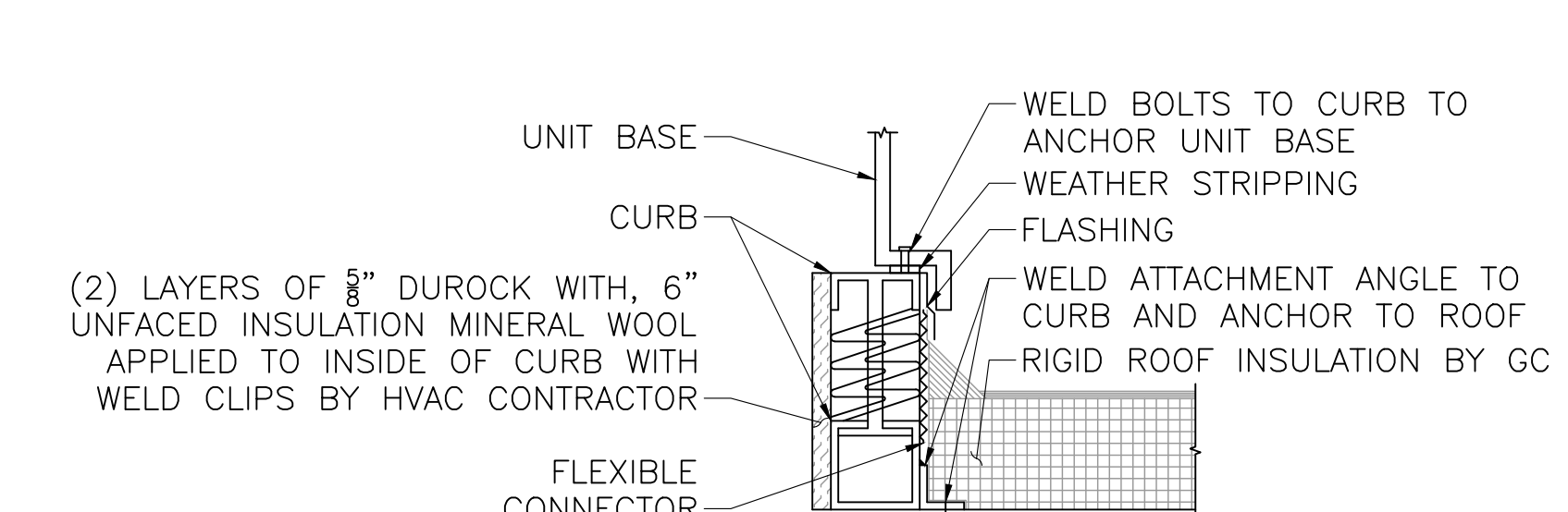
NOTE:

1. CUT HOLES IN GRATING AS REQUIRED TO ACCOUNT FOR ANCHOR BOLTS.



STAY-IN-PLACE FORM DETAILS

NOT TO SCALE

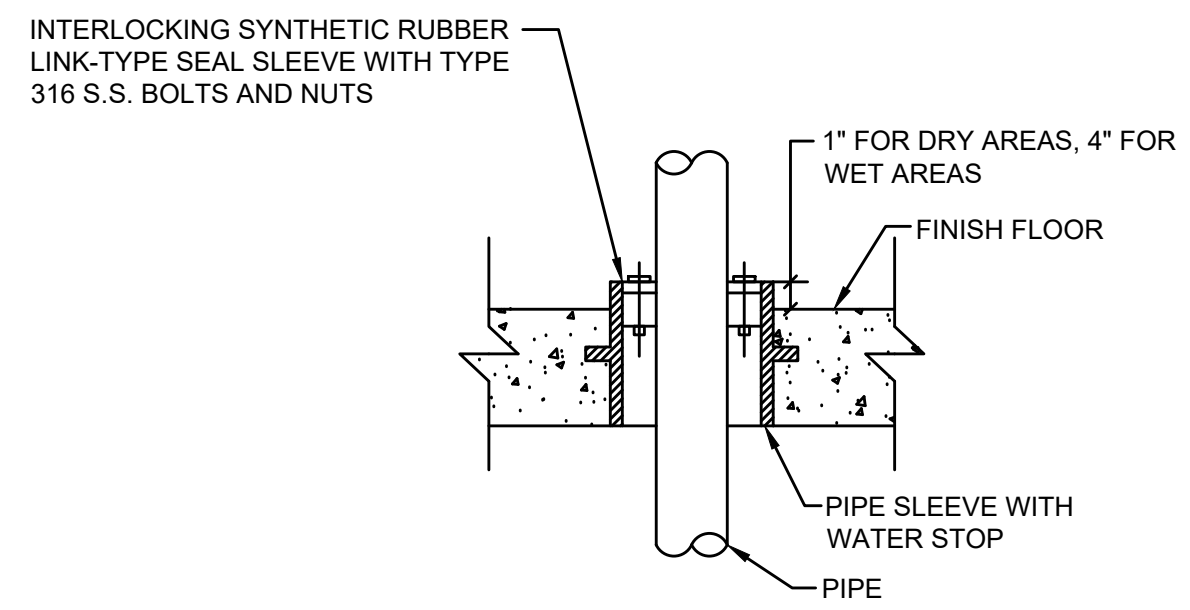


AIR HANDLING UNIT ANCHORAGE

SCALE: 1" = 1'-0"

8/19/2020 3:48 PM J:\TAUNTON\MAIN LIFT PUMP STATION\AUTOCAD\DRAWING\FILES\STRUCTURAL\PHASE 3\3-315530_S-R13.DWG (BETA STB BW STB)

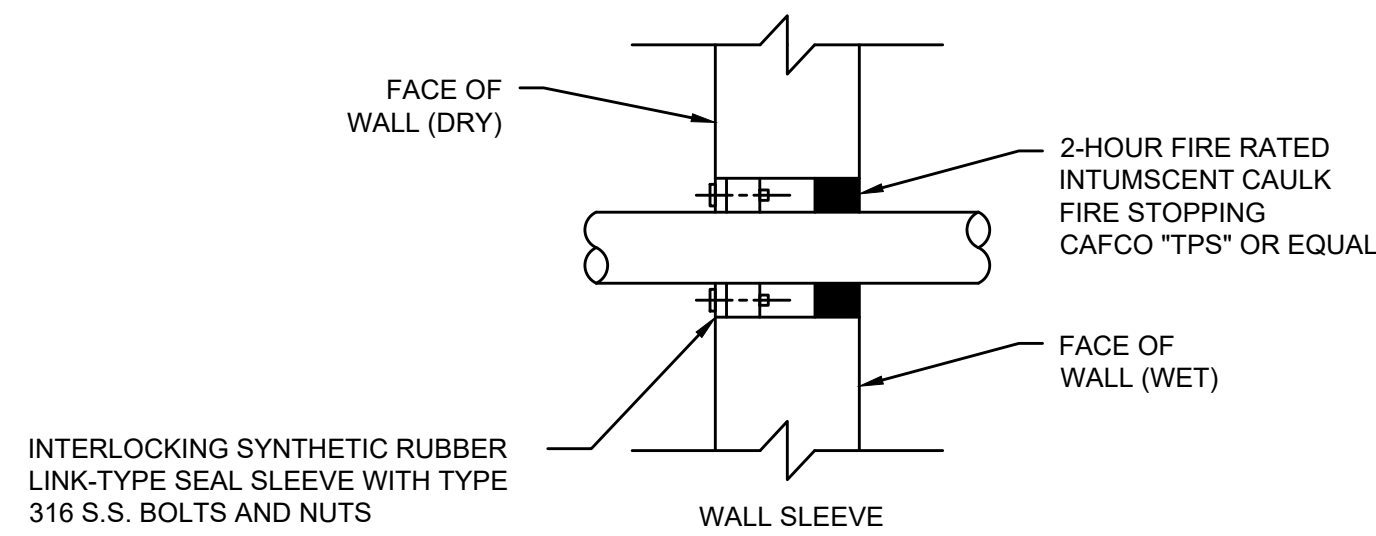
3/28/2022 11:01 AM - J:\TAUNTON\MAIN LIFT PUMP STATION\AUTOCAD\DRAWINGFILES\CONTRACT 3 - MAIN LIFT PS BUILDOUT CONTRACT DETAILS - MECHANICAL.DWG



NOTE: FOR FLOOR SLEEVES, WHERE GASTIGHT OR WATERTIGHT SEALS ARE NOT REQUIRED, THE SEAL MAY BE OMITTED

FLOOR SLEEVE/NEW CONCRETE

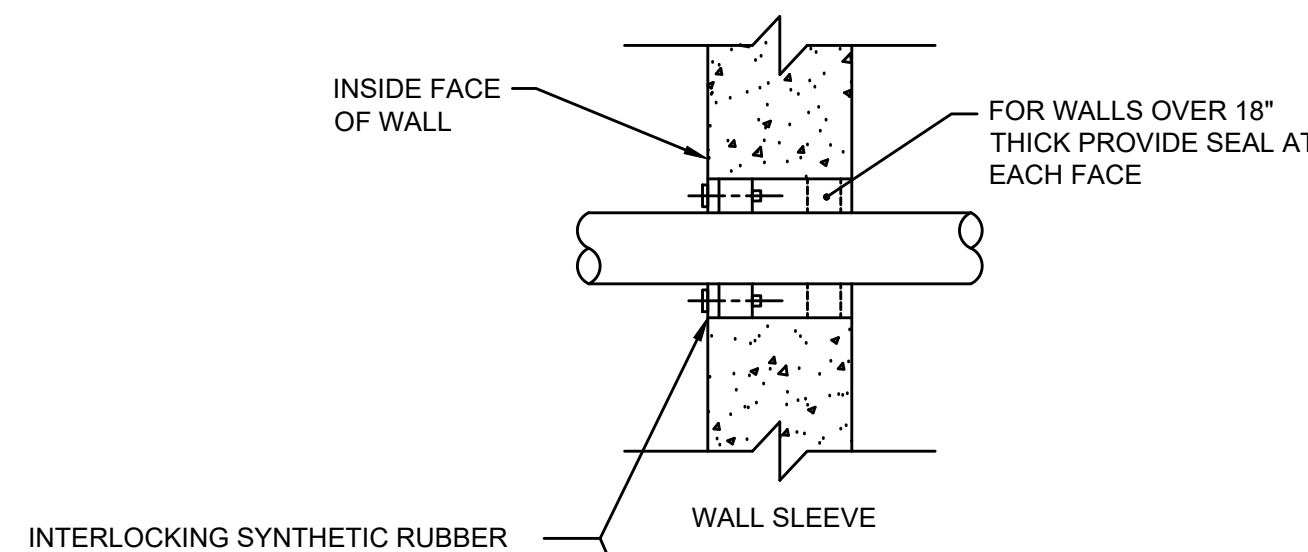
SCALE: NOT TO SCALE



INTERLOCKING SYNTHETIC RUBBER LINK-TYPE SEAL SLEEVE WITH TYPE 316 S.S. BOLTS AND NUTS

PENETRATION FOR CORED HOLES IN EXISTING WALLS INTO WET AREAS

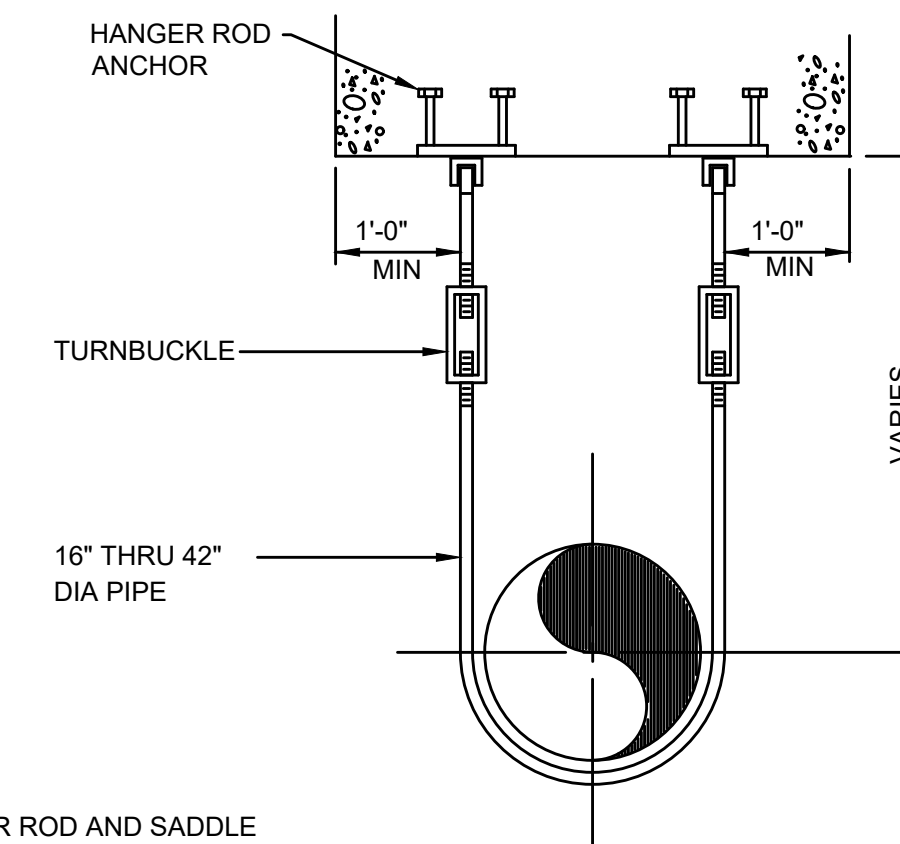
SCALE: NOT TO SCALE



INTERLOCKING SYNTHETIC RUBBER LINK-TYPE SEAL SLEEVE WITH TYPE 316 S.S. BOLTS AND NUTS

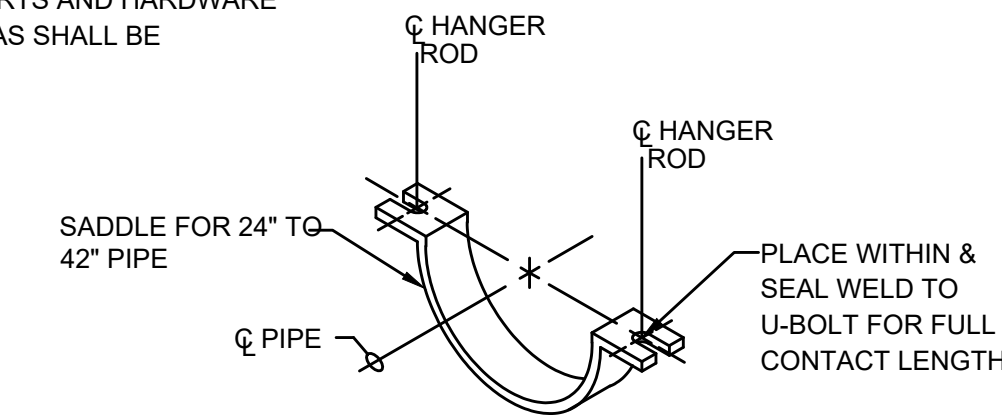
PENETRATION FOR CORED HOLES IN EXISTING WALLS AND DRY AREAS

SCALE: NOT TO SCALE



NOTES:

- HANGER ROD AND SADDLE MATERIAL TO BE STAINLESS STEEL FOR STAINLESS STEEL PIPE
- SPACE HANGERS 12'-0" ON CENTER MAXIMUM.
- PIPE SUPPORTS AND HARDWARE IN WET AREAS SHALL BE 316 S.S.

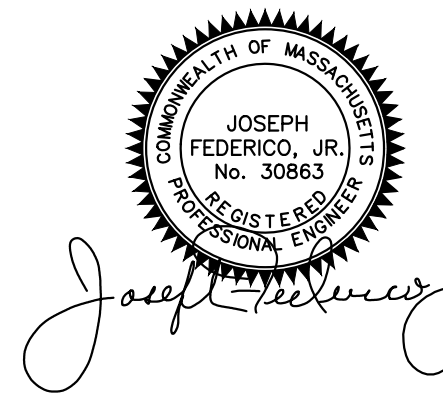


PIPE HANGER

SCALE: NOT TO SCALE



REGISTERED PROFESSIONAL



SUBCONSULTANT

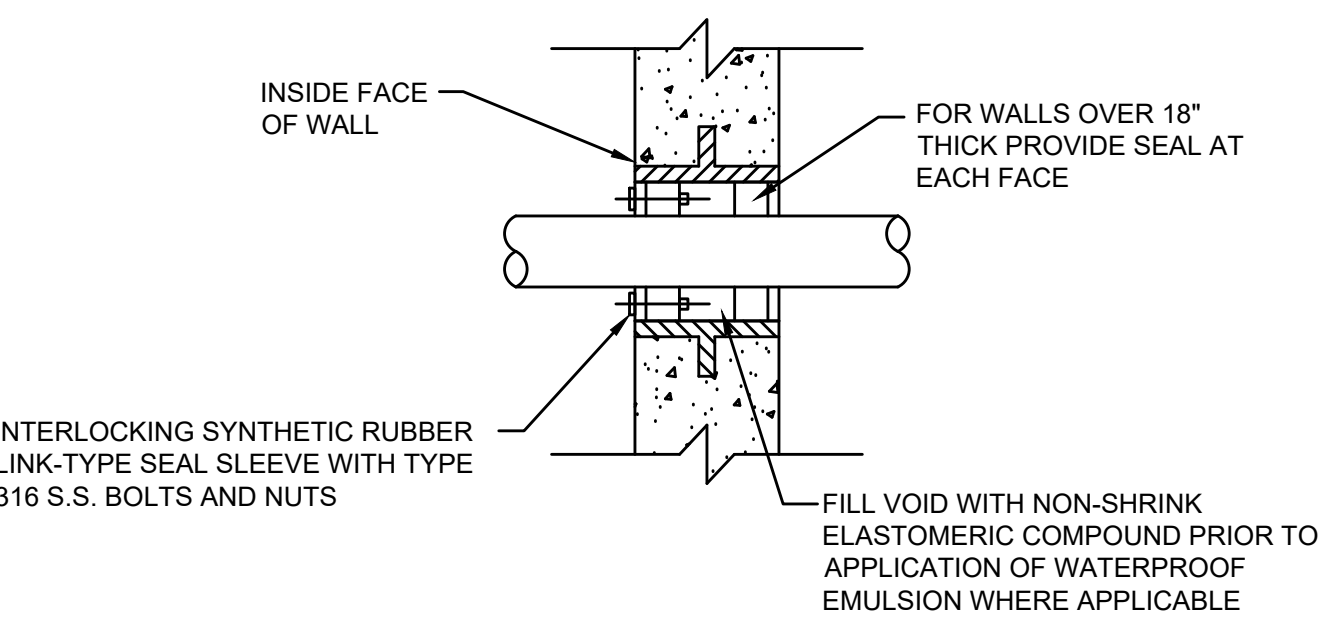
PROJECT

MAIN LIFT PUMP STATION IMPROVEMENTS

TAUNTON, MA

TITLE

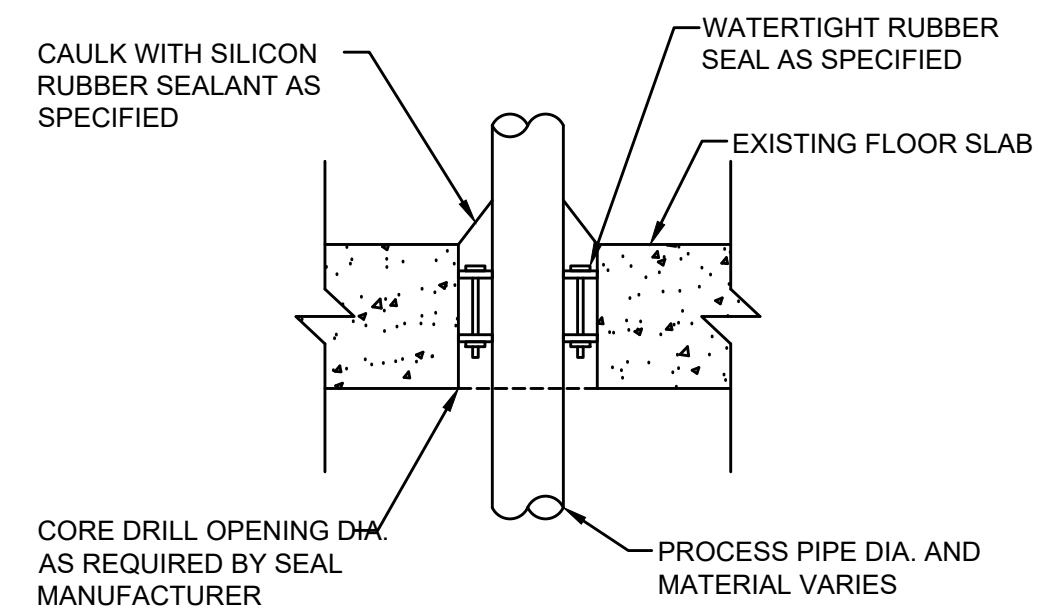
MECHANICAL DETAILS I



INTERLOCKING SYNTHETIC RUBBER LINK-TYPE SEAL SLEEVE WITH TYPE 316 S.S. BOLTS AND NUTS

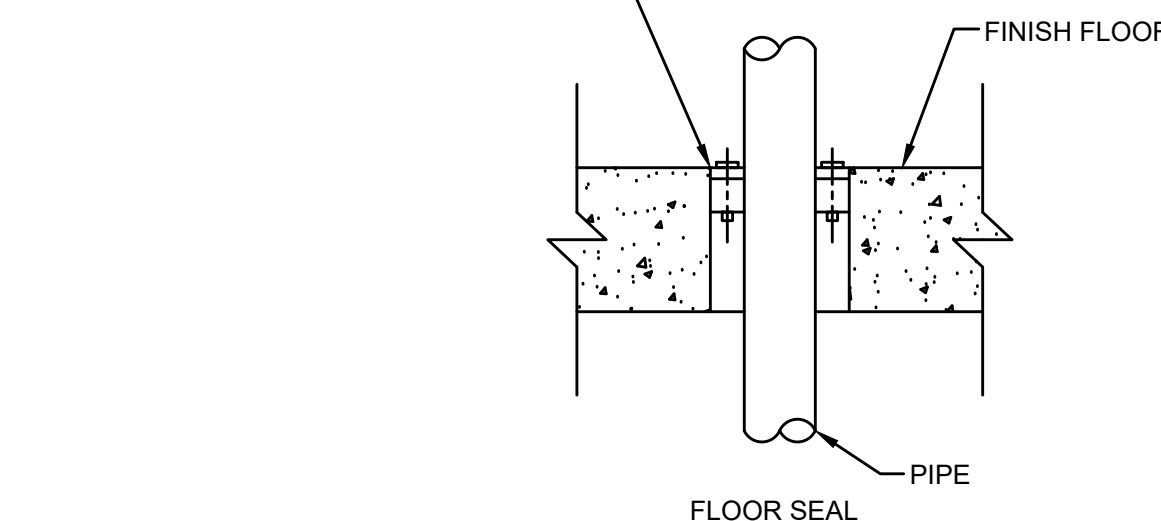
WALL SLEEVE/NEW CONCRETE

SCALE: NOT TO SCALE



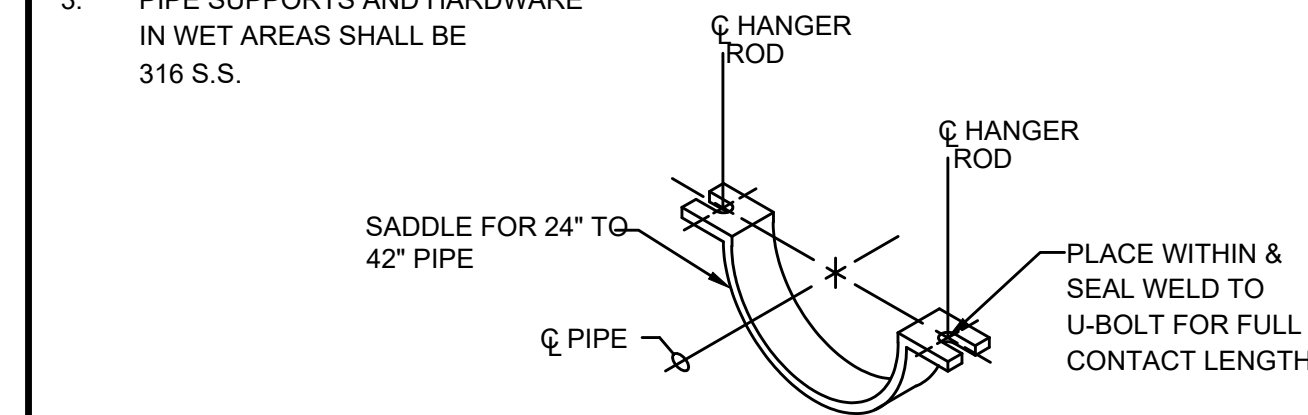
FLOOR PENETRATION FOR CORED HOLES IN WET AREAS

SCALE: NOT TO SCALE



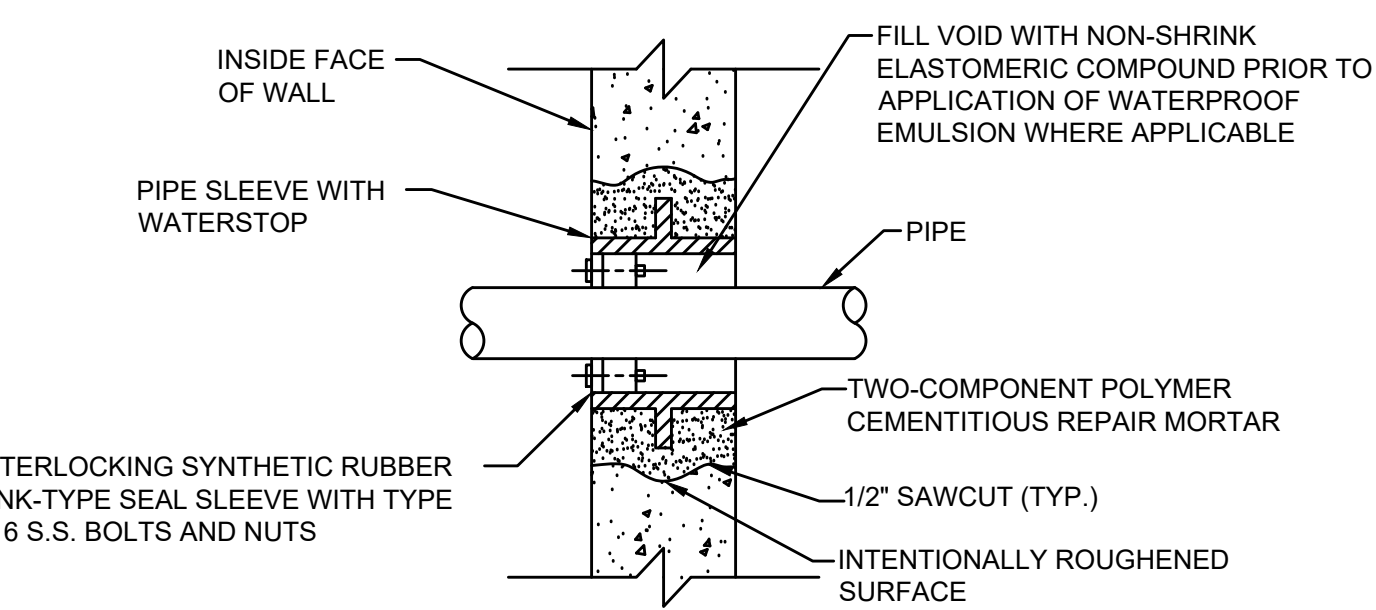
PENETRATION FOR CORED HOLES IN EXISTING WALLS AND DRY AREAS

SCALE: NOT TO SCALE



PIPE HANGER

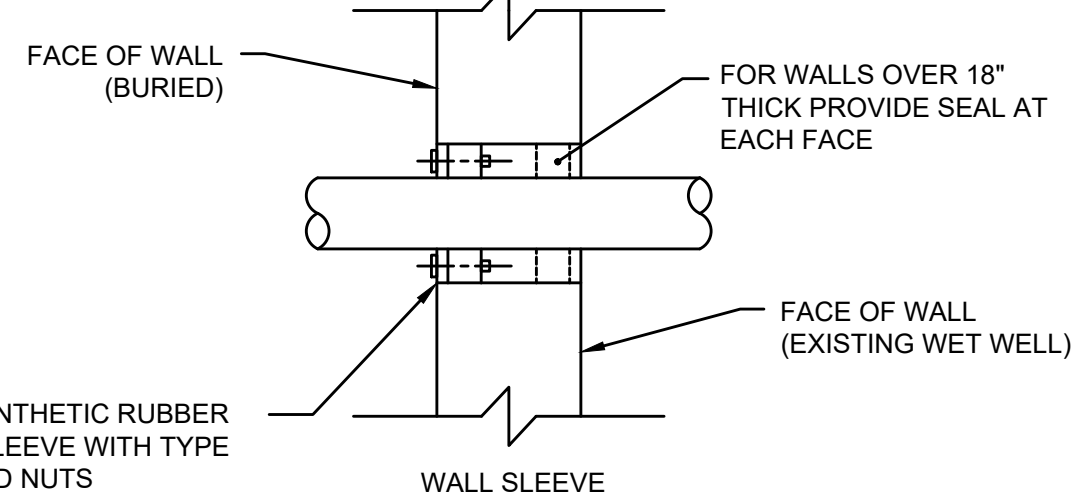
SCALE: NOT TO SCALE



INTERLOCKING SYNTHETIC RUBBER LINK-TYPE SEAL SLEEVE WITH TYPE 316 S.S. BOLTS AND NUTS

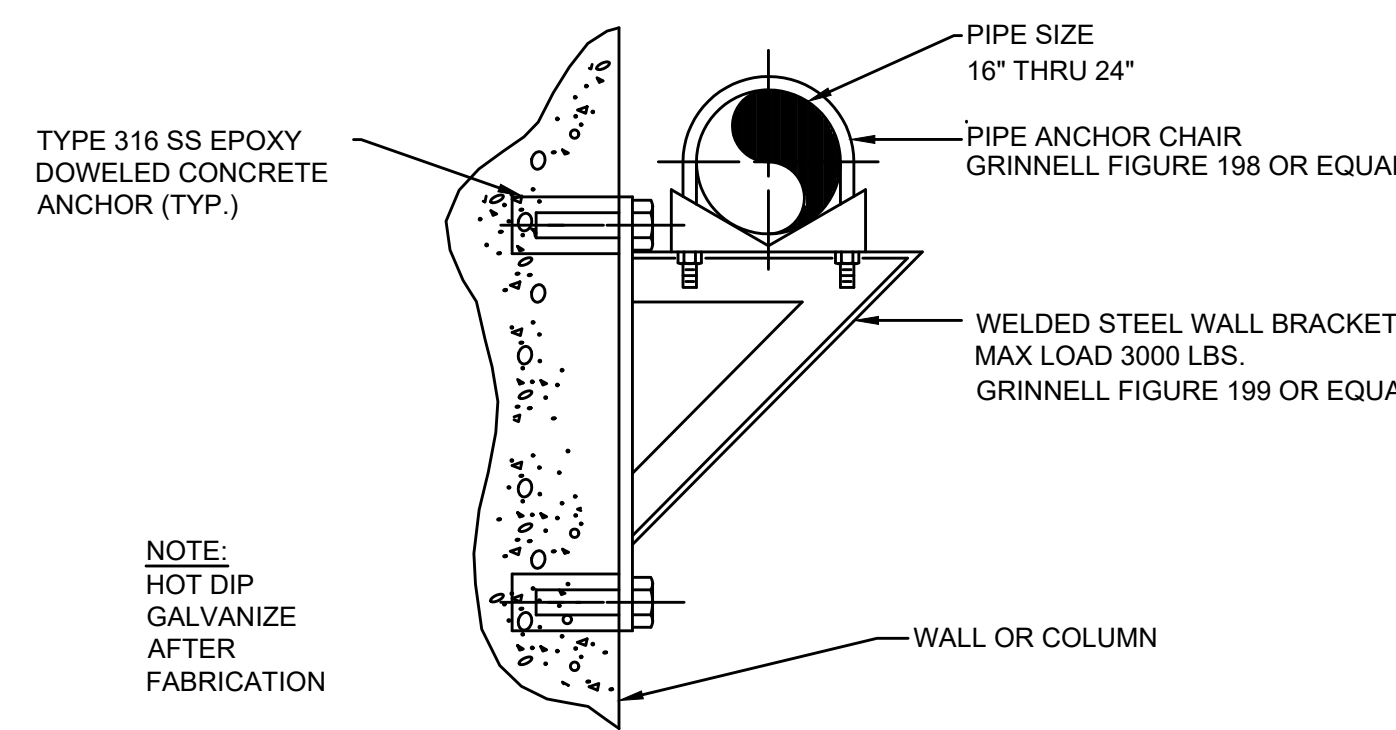
WALL SLEEVE/EXISTING WALL

SCALE: NOT TO SCALE



PENETRATION FOR CORED HOLES IN EXISTING WALLS INTO EXISTING WET WELL

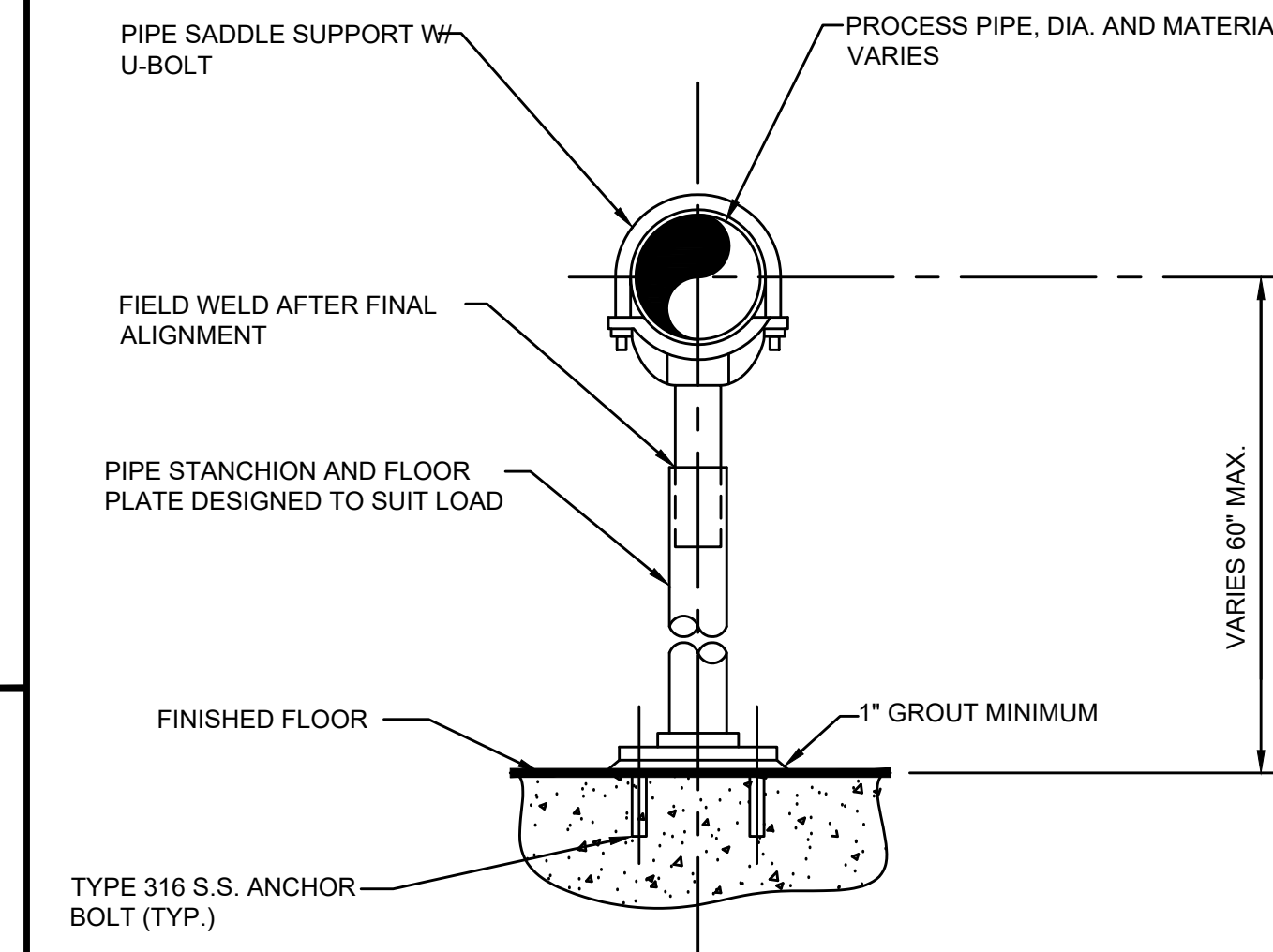
SCALE: NOT TO SCALE



NOTE: HOT DIP GALVANIZE AFTER FABRICATION

PIPE SUPPORT-HEAVY

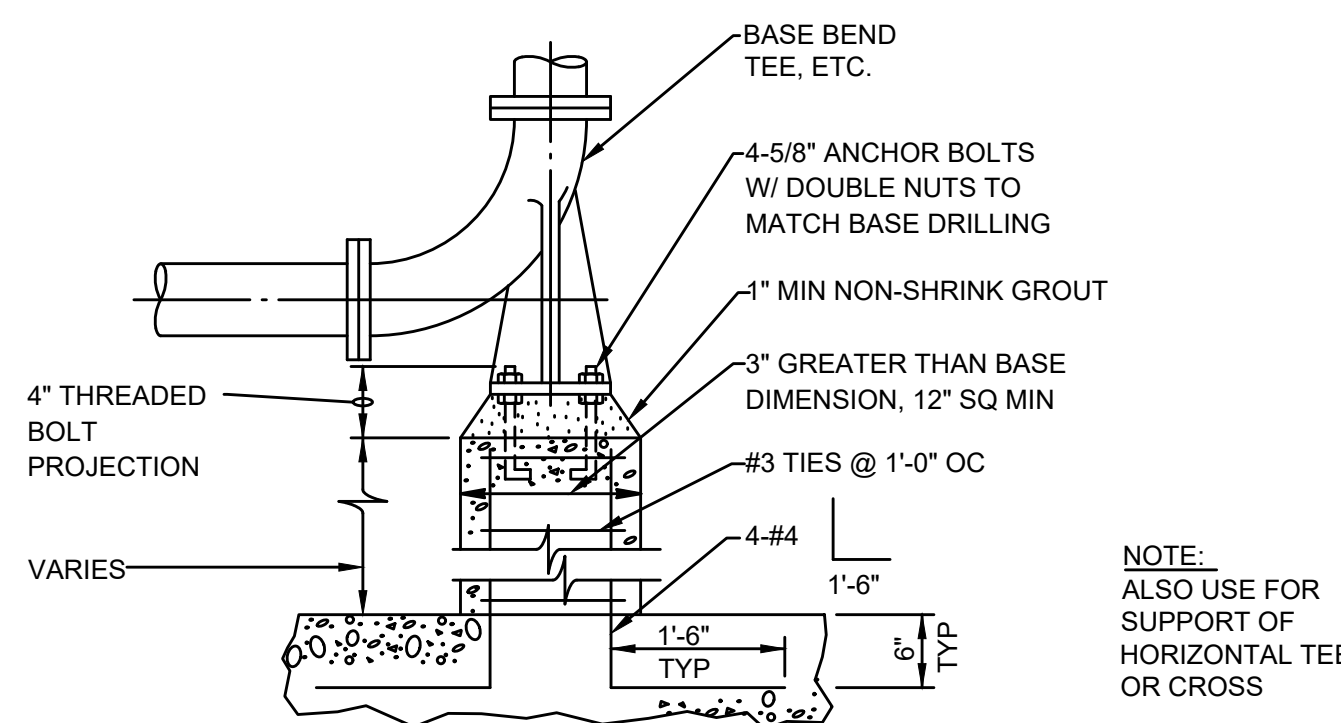
SCALE: NOT TO SCALE



- NOTES:
- PROVIDE HALF-ROUND RIGID INSULATION WAND INSULATION SHIELD FOR INSULATED PIPING.
 - PROVIDE NEOPRENE ISOLATION PAD UNDER SUPPORT FOOT FOR ISOLATED PIPING OR WHEN SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT.
 - PIPE SUPPORTS AND HARDWARE IN WET AREAS SHALL BE 316 S.S.

FLOOR PIPE SUPPORT

SCALE: NOT TO SCALE



NOTE: ALSO USE FOR SUPPORT OF HORIZONTAL TEE OR CROSS

BASE BEND

SCALE: NOT TO SCALE

NO. REVISIONS DATE

DRAWN BY: BM

DESIGNED BY: AJG

CHECKED BY: CC

ISSUE DATE: 3/31/2022

BETA JOB NO.: 5530

SCALE

AS SHOWN

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO. MD-1

1/21/2022 10:14 AM W:\YEAR_2017\7003_00 - TAUNTON MAIN LIFT PUMP STATION\HVAC DEPARTMENT\7003_00 HVAC PLAN.DWG

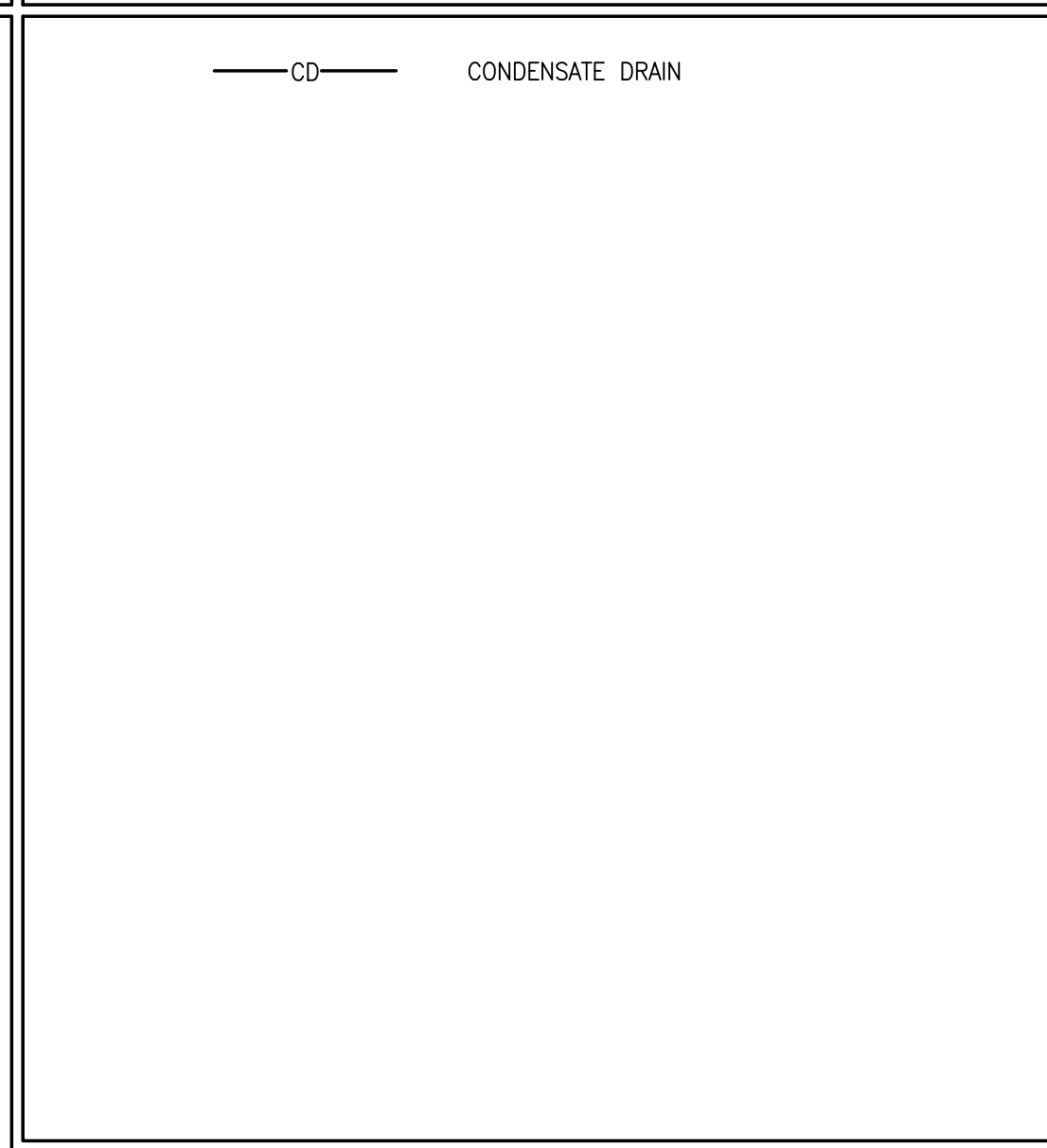
GENERAL NOTES

- 1. HVAC WORK IS INDICATED DIAGRAMMATICALLY. EXACT LOCATIONS OF ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD AND BY THE ACTUAL BUILDING CONDITIONS. EXISTING DUCTS, PIPING OR EQUIPMENT INTERFERING WITH OTHER INSTALLATIONS SHALL BE RELOCATED AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. EXACT LOCATIONS MUST HAVE THE APPROVAL OF THE ARCHITECT.
2. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES BEFORE ANY INSTALLATION IS MADE.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH STATE CODES, MANUFACTURER'S APPROVED PUBLISHED LITERATURE, AND AUTHORITIES HAVING JURISDICTION.
4. INSTALLATION OF EQUIPMENT SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/ OR REPLACEMENT.
5. ALL CEILING MOUNTED EQUIPMENT SHALL BE INSTALLED IN SUCH A WAY THAT LIGHTS, PIPING, AND DUCTWORK DO NOT BLOCK ACCESS TO UNITS AND RELATED ACCESSORIES.
6. HVAC CONTRACTOR SHALL COORDINATE ALL WALL, CEILING, FLOOR, ROOF AND BEAM PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER.
7. ALL DUCT SIZES SHOWN ARE NET INSIDE CLEAR DIMENSIONS.
8. PROVIDE VOLUME DAMPERS AT EVERY MAIN BRANCH TAKE-OFF AND AS INDICATED AND IN SUCH OTHER LOCATIONS WHERE REQUIRED TO PROPERLY BALANCE THE SYSTEM. DO NOT INSTALL VOLUME DAMPERS IN NECKS OF DIFFUSERS OR AT DISCHARGE OR INLET GRILLES IN DUCTWORK.
9. PROVIDE INSTRUMENT TEST HOLES WITH CAPS IN AIR DISTRIBUTION SYSTEMS AS REQUIRED TO BALANCE SYSTEM.
10. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHEETMETAL TRANSITIONS AT AIR TERMINAL UNITS, FANS, COILS, AND OTHER SIMILAR HVAC EQUIPMENT.
11. ALL OPEN ENDED DUCTS IN THE CEILING PLENUM SHALL BE UNOBSTRUCTED FOR A MINIMUM DISTANCE OF 24" FROM THE OPENING TO ALLOW FREE AIR FLOW AND SHALL HAVE 3/4" WIRE MESH SCREENING.
12. ALL MISCELLANEOUS STRUCTURAL SUPPORTS REQUIRED FOR HVAC EQUIPMENT INSTALLATION SHALL BE PROVIDED BY HVAC SUBCONTRACTOR.
13. EXACT LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS TO BE DETERMINED BY ARCHITECTURAL REFLECTED CEILING PLAN.
14. INSTALL ALL PIPING BELOW DUCTWORK UNLESS CLEARANCE CONDITION REQUIRES PIPING TO BE ABOVE.
15. EXACT ELEVATION FOR SIDE WALL DIFFUSERS, REGISTERS AND GRILLES SHALL BE APPROVED BY THE ARCHITECT BEFORE INSTALLATION.
16. UNLESS OTHERWISE NOTED, ALL PIPING RUNOUTS SHALL BE 3/4"
17. ALL EXPOSED EQUIPMENT (REGISTERS, UNIT HEATERS, ETC..) SHALL HAVE COLORS SELECTED BY THE ARCHITECT, UNLESS NOTED OTHERWISE.
18. HVAC SUBCONTRACTOR SHALL BLANK OFF AND INSULATE ALL UNUSED LOUVER AREA.
19. PITCH AIR INTAKE PLENUMS AND PROVIDE DRAIN TO NEAREST FLOOR DRAIN.
20. ALL REGISTERS, GRILLES AND DIFFUSERS LOCATED IN WALLS NEAR FLOOR SHALL BE HEAVY-DUTY TYPE DESIGNED TO WITHSTAND RUGGED IMPACT. REFER TO SCHEDULE. THE SECTION OF DUCTWORK BEHIND THE AIR DEVICE SHALL BE PAINTED FLAT BLACK.
21. EXACT LOCATION OF THERMOSTAT TO BE COORDINATED WITH FINAL LOCATION OF WALL MOUNTED ARCHITECTURAL AND ELECTRICAL EQUIPMENT.
22. PROVIDE FLEXIBLE CONNECTOR ON INTAKES AND DISCHARGES OF ALL AIR HANDLING UNITS.
23. ROOF OPENINGS SHALL BE SIZED FROM APPROVED SHOP DRAWINGS.
24. ALL DAMPER MOTORS SHALL BE 24 VOLT.

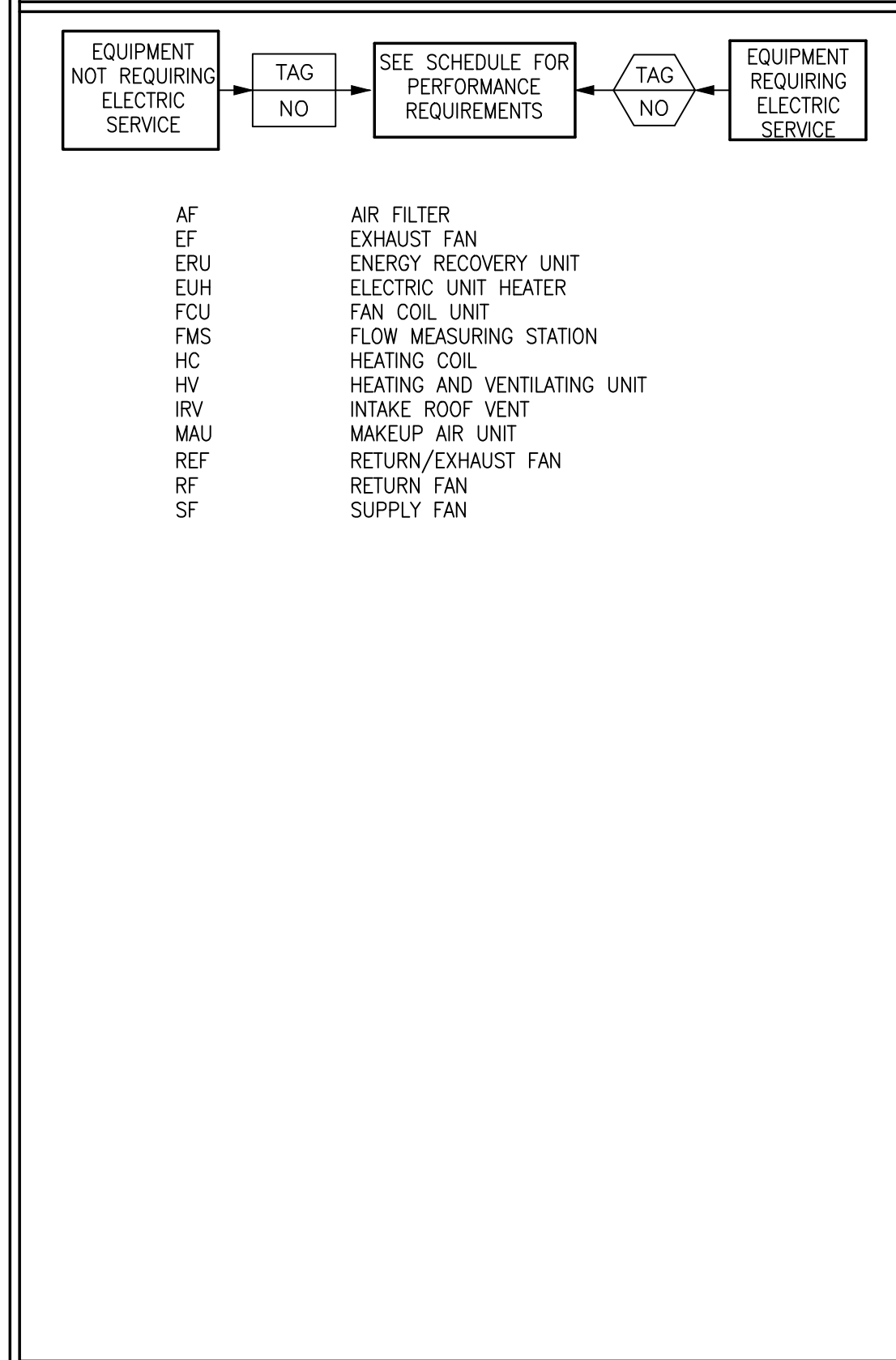
ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes entries like ACD (AUTOMATIC CONTROL DAMPER), AD (ACCESS DOOR), AFF (ABOVE FINISHED FLOOR), AHAP (AS HIGH AS POSSIBLE), AF (ACCESS PANEL), ARCH (ARCHITECT), ATC (AUTOMATIC TEMPERATURE CONTROL), BDD (BACKDRAFT DAMPER), BTU (BRITISH THERMAL UNIT), BTUH (BRITISH THERMAL UNIT PER HOUR), BOD (BOTTOM OF DUCT), CAP (CAPACITY), CD (CEILING DIFFUSER), CFM (CUBIC FEET PER MINUTE), CO (CLEANOUT), CONT (CONTROLLER), CUT AND CAP (CUT AND CAP), DIA (DIAMETER), DB (DRY BULB TEMPERATURE), DC (DUST COLLECTOR), DDC (DIRECT DIGITAL CONTROL), DN (DOWN), DWG (DRAWING), DX (DIRECT EXPANSION COOLING), EA (EXHAUST AIR), EAT (ENTERING AIR TEMPERATURE), EBB (ELECTRIC BASEBOARD RADIATION), ECH (ELECTRIC CABINET HEATER), ECON (AIR-SIDE ECONOMIZER), EF (EXHAUST FAN), EFF (EFFICIENCY), ELV (ELEVATION), ER (EXHAUST REGISTER), ESP (EXTERNAL STATIC PRESSURE), ETR (EXISTING TO REMAIN), EWT (ENTERING WATER TEMPERATURE), EXH (EXHAUST), FA (FREE AREA), FD (FIRE DAMPER), FLA (FULL LOAD AMPS), FOB (FLAT ON BOTTOM), FOT (FLAT ON TOP), FPI (FINS PER INCH), FPM (FEET PER MINUTE), FT (FEET), FTR (FINNED TUBE RADIATION), GAL (GALLONS), GALV (GALVANIZED), GC (GENERAL CONTRACTOR), GF (GLYCOL FEED), GPM (GALLONS PER MINUTE), HP (HORSEPOWER), HVAC (HEATING, VENTILATING AND AIR CONDITIONING), HGRH (HOT GAS REHEAT), HW (HOT WATER), HZ (HERTZ), IN (INCHES), KE (KITCHEN EXHAUST), KW (KILOWATTS), LAT (LEAVING AIR TEMPERATURE), LD (LINEAR DIFFUSER), LF (LINEAR FEET), LWT (LEAVING WATER TEMPERATURE), MBH (THOUSANDS OF BTU'S PER HOUR), MCC (MOTOR CONTROL CENTER), NC (NORMALLY CLOSED), NIC (NOT IN CONTRACT), NO (NORMALLY OPEN), NTS (NOT TO SCALE), OA (OUTSIDE AIR), OAT (OUTSIDE AIR TEMPERATURE), OBD (OPPOSED BLADE DAMPER), OD (OUTSIDE DIAMETER), OED (OPEN ENDED DUCT), POS (PROVIDED UNDER OTHER SECTIONS), PSI (POUNDS PER SQUARE INCH (GAUGE)), PD (PRESSURE DROP), PRV (PRESSURE REDUCING VALVE), PG (PROPYLENE GLYCOL), R (RETURN), RA (RETURN AIR), RB (REBALANCE), RF (RETURN/EXHAUST FAN), RG (RETURN GRILLE), RM (ROOM), RPM (REVOLUTIONS PER MINUTE), RR (RETURN REGISTER), S (SUPPLY), SA (SUPPLY AIR), SAT (SUPPLY AIR TEMPERATURE), SF (SQUARE FEET, SUPPLY FAN), SP (STATIC PRESSURE), SR (SUPPLY REGISTER), SS (STAINLESS STEEL), STL (STEEL), TYP (TYPICAL), UC (UNDERCUT DOOR), V (VOLTS), VAV (VARIABLE AIR VOLUME), VD (VOLUME DAMPER), VFD (VARIABLE FREQUENCY DRIVE), W/ (WITH), W/O (WITHOUT), WB (WET BULB TEMPERATURE), WG (WATER GAUGE), WMS (WIRE MESH SCREEN).

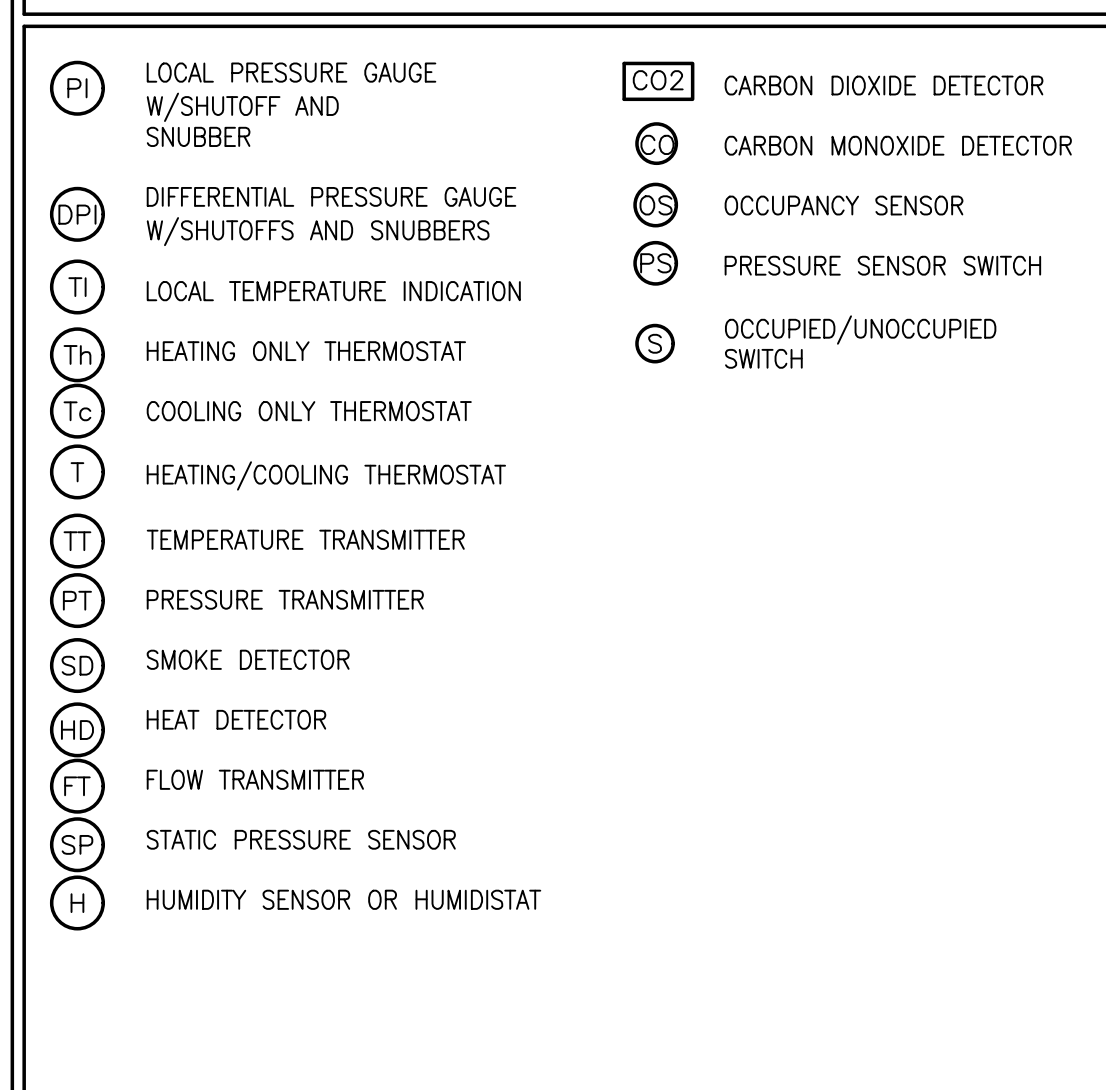
PIPING LEGEND



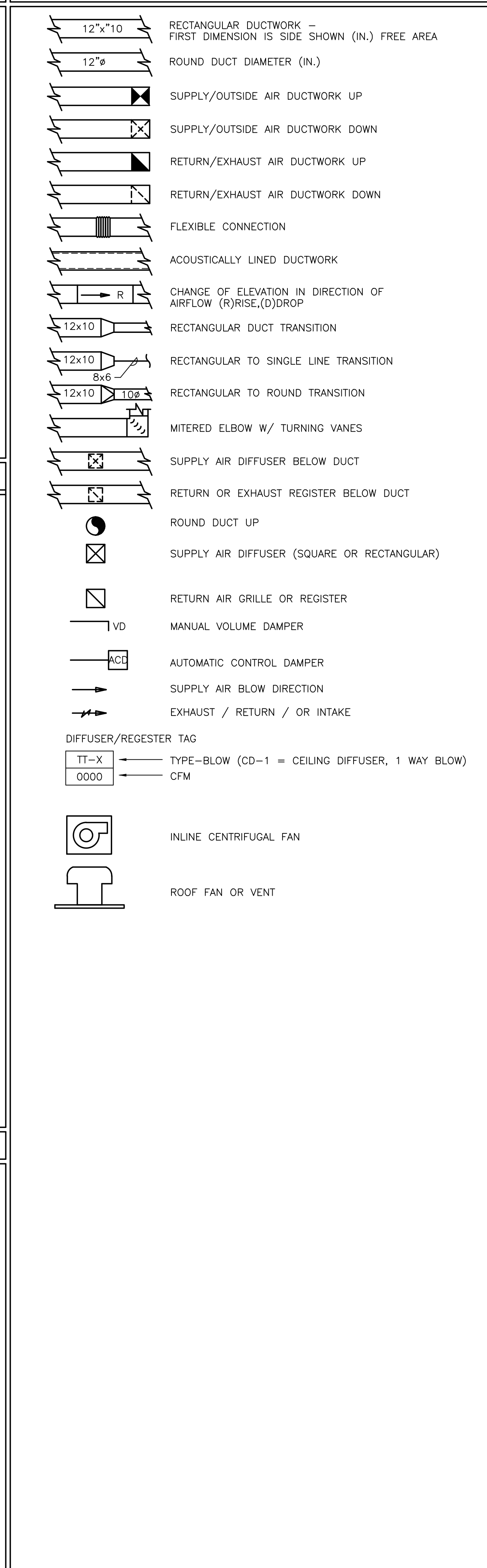
EQUIPMENT TAG SYMBOLS & ABBREVIATIONS



INSTRUMENTATION



DUCTWORK LEGEND/SYMBOLS



SEQUENCE OF OPERATION

- 1. ERV-1: SEE SPECIFICATIONS.
2. ELECTRICAL UNIT HEATERS: EUH FAN AND HEATING COIL SHALL CYCLE FROM WALL MOUNTED THERMOSTAT TO MAINTAIN SPACE TEMPERATURE SETPOINT.
3. DEHUMIDIFIER: DEHUMIDIFIER SHALL CYCLE FROM INTERNAL HUMIDISTAT TO MAINTAIN A SPACE RELATIVE HUMIDITY OF 40%.
4. HEAT PUMP: HEAT PUMP SHALL CYCLE FROM A WALL MOUNTED PROGRAMMABLE THERMOSTAT TO MAINTAIN ROOM SETPOINTS OF 65°F AND 85°F COOLING

PREPARED BY



REGISTERED PROFESSIONAL



SUBCONSULTANT



PROJECT

MAIN LIFT PUMP STATION
TAUNTON, MA

TITLE

HVAC LEGEND & GENERAL NOTES

Table with 3 columns: NO., REVISIONS, DATE. Contains a grid for tracking revisions.

DRAWN BY: RLB
DESIGNED BY: RHB
CHECKED BY: RHB
ISSUE DATE: 03/31/22
BETA JOB NO.: 5530-000

SCALE

For Review Only

SHEET NO. H-1

PREPARED BY



www.BETA-Inc.com

REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
180 Crossman Drive, Suite 309
Braintree, Massachusetts 02184
617 221-9220
web: www.sar.com

PROJECT

**MAIN LIFT
PUMP STATION**

TAUNTON, MA

TITLE

**HVAC
GROUND
LEVEL PLAN**

NO. REVISIONS DATE

DRAWN BY: RLB

DESIGNED BY: RHB

CHECKED BY: RHB

ISSUE DATE: 03/31/22

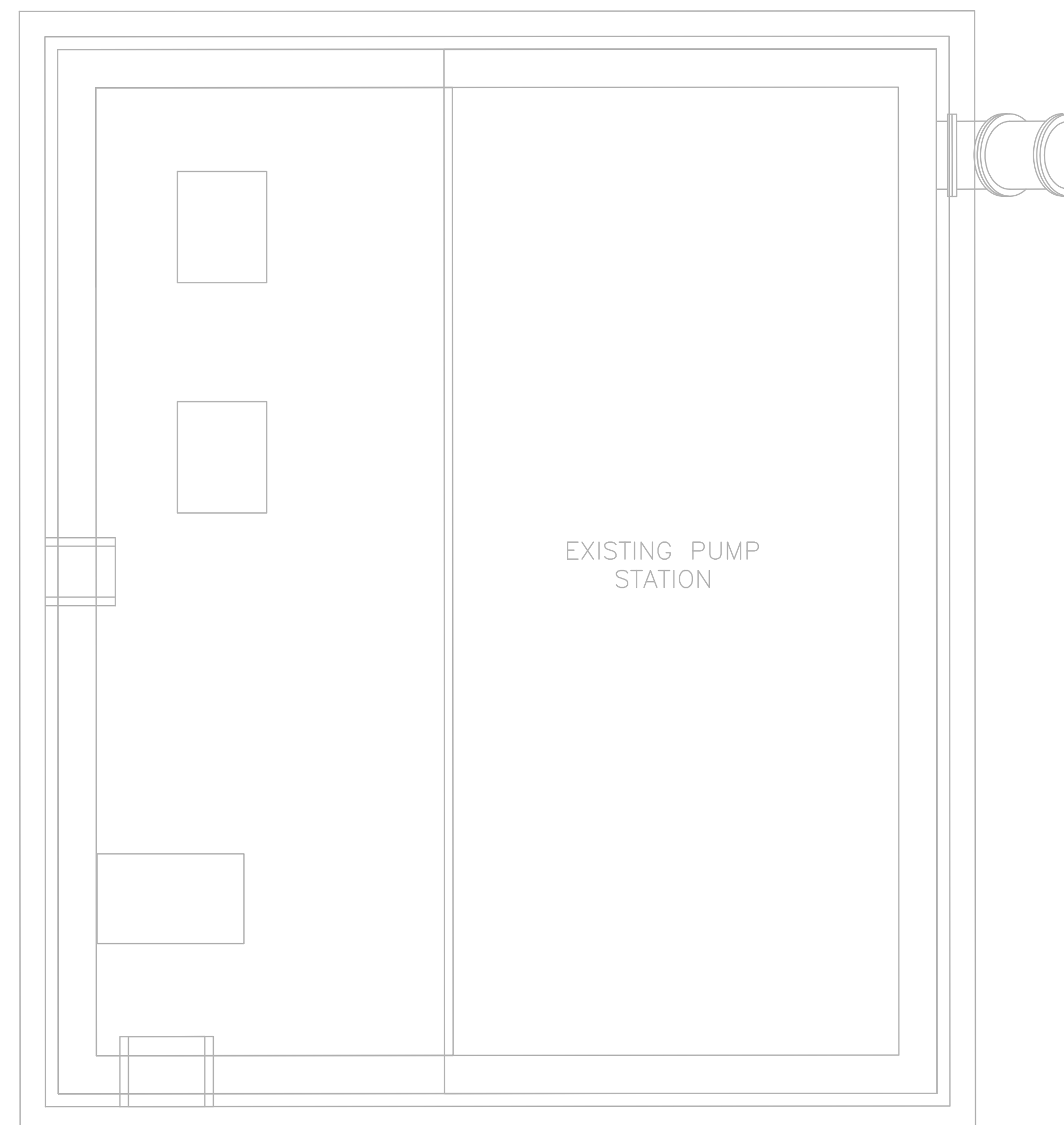
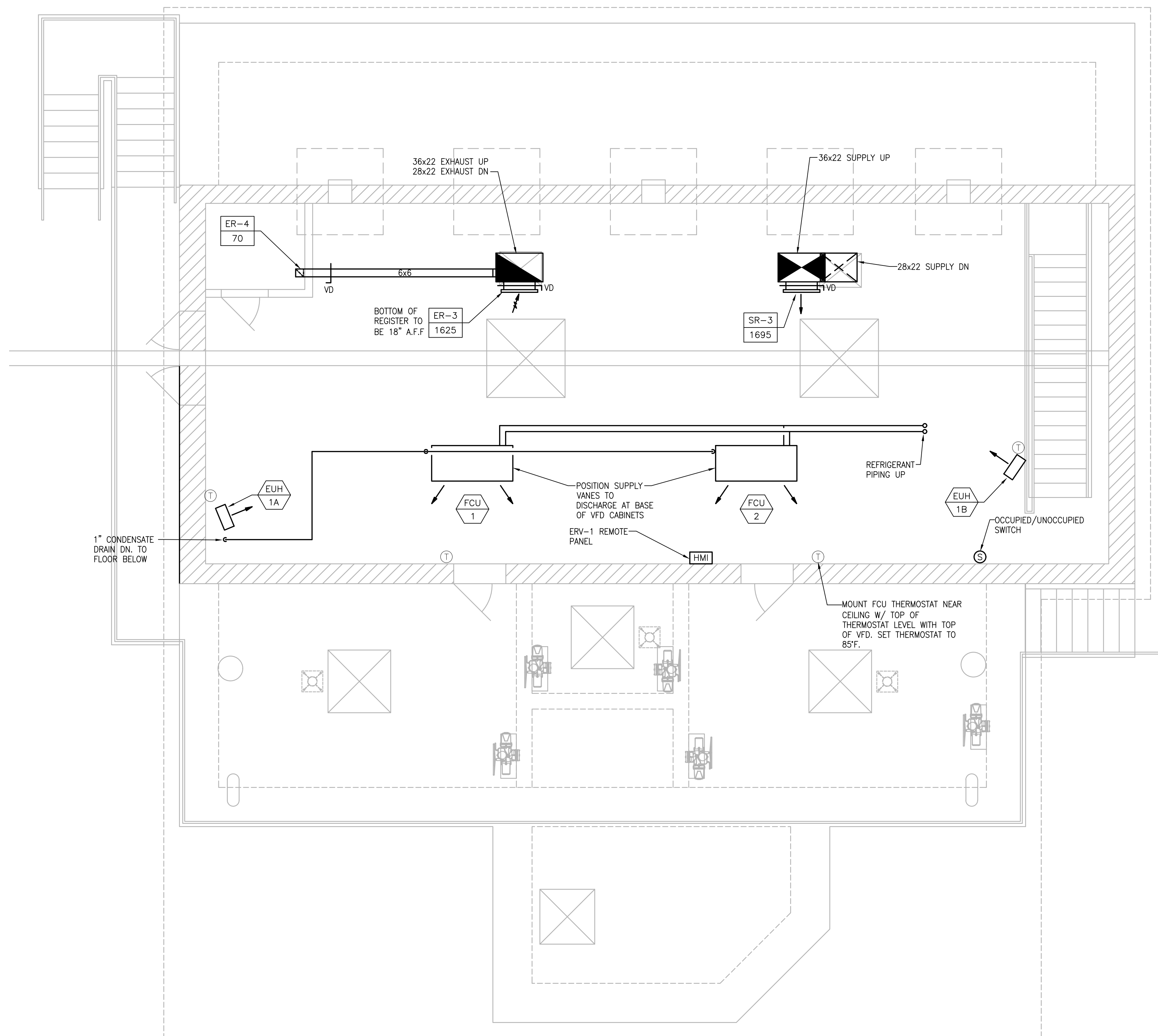
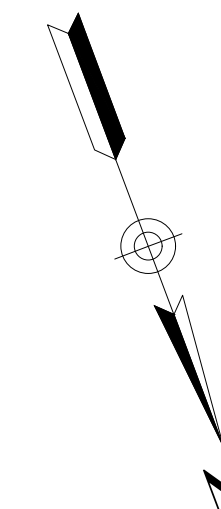
BETA JOB NO.: 5530-000

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

For Review Only

SHEET NO. H-4



GROUND LEVEL PLAN
SCALE: 1/4" = 1'

1/21/2022 10:14 AM W:\YEAR - 2017\7003.00 - TAUNTON MAIN LIFT PUMP STATION\HVAC DEPARTMENT\7003.00 HVAC PLAN.DWG

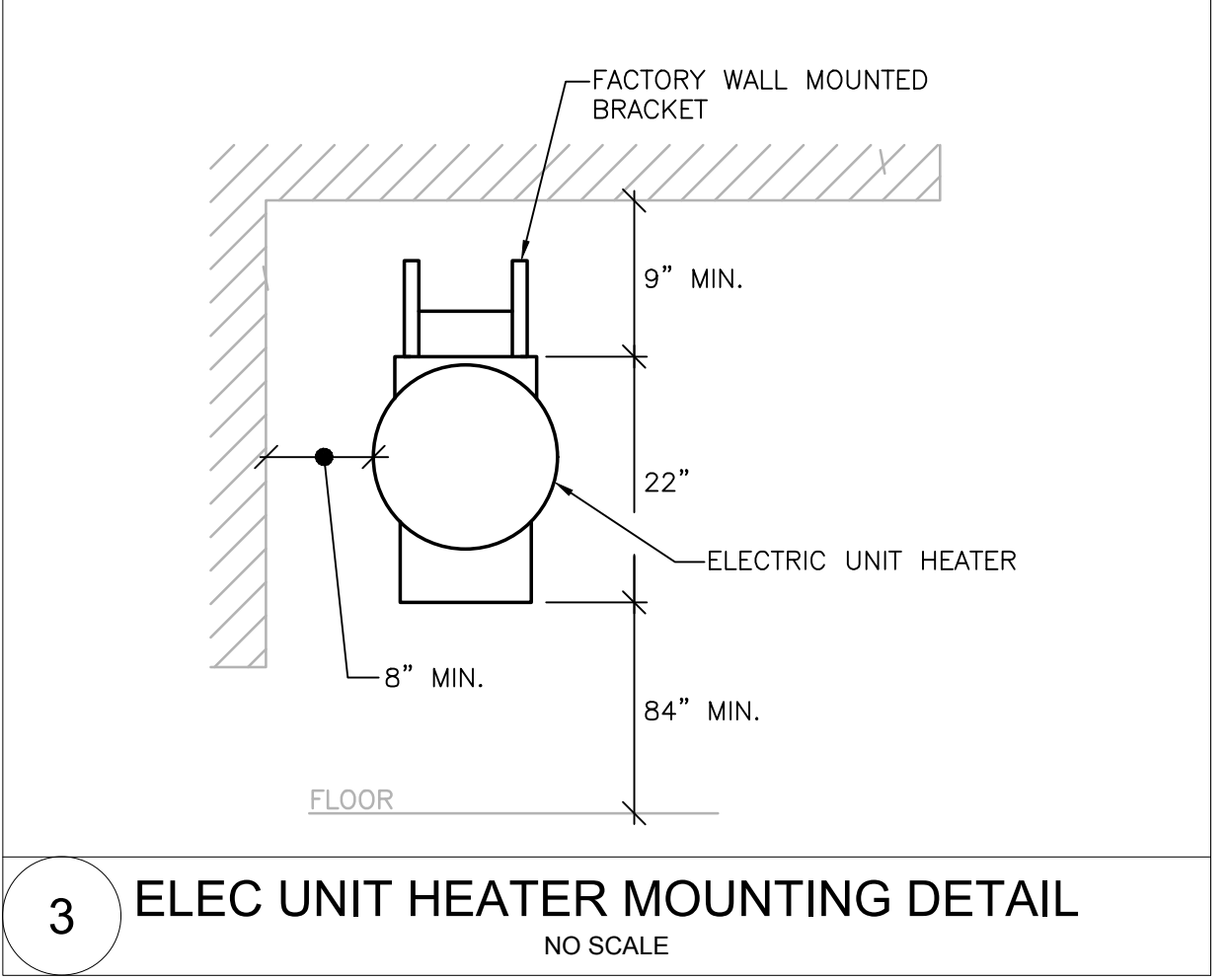
TAG NO.		SUPPLY AIR PERFORMANCE							RETURN/EXHAUST AIR PERFORMANCE							WINTER CONDITIONS DESIGN		GAS HEATER DATA				ELECTRICAL DATA				WEIGHT LBS	MANUFACTURER MODEL NUMBER	REMARKS			
NO.	LOCATION	SUPPLY IN CFM	OA IN CFM	ESP (IN WC)	TSP (IN WC)	FAN RPM	OPERATING POWER HP	MOTOR SIZE HP	EXH./RET. OUT CFM	E.S.P. IN (W.C.)	TOTAL SP IN (W.C.)	FAN RPM	OPERATING POWER HP	MOTOR SIZE HP	OUTDOOR DB °F WB °F RH%	INDOOR DB °F WB °F RH%	GAS	PRESS. WG.	MBH INPUT	MBH OUTPUT	LAT	MCA	MOCP	V	PHASE				HZ		
ERV-1	ROOF	8,000	8,000	1.0	4.0	1750	-	10.0	8,250	0.8	3.0	1750	-	10	5.0	3.1	65	50	NAT	7"	350	275	-	-	-	480	3	60	6,540	HAAKON	

TAG NO.	CAPACITY		FAN DATA				MANUFACTURER MODEL NUMBER	REMARKS
	KW	CFM	V	PH	HZ			
EUH-1A, EUH-1B, EUH-1C, EUH-1D, EUH-1E & EUH-1E	5.0	700	480	3	60	QMARK QWD05034	SEE SPECIFICATIONS FOR ACCESSORIES	

TAG	LOCATION	MFG'R. & MODEL NO.	HEAT MBH	COOL MBH	ELEC. V/PH/HZ	No. OF ELEC. FEEDERS	MCA	MOP	REMARKS
ACCU-1	ROOF	YORK YVAHP060B21S	63.9	59.9	208/1/60	1	31	40	FURNISH WITH 18" HIGH STAND

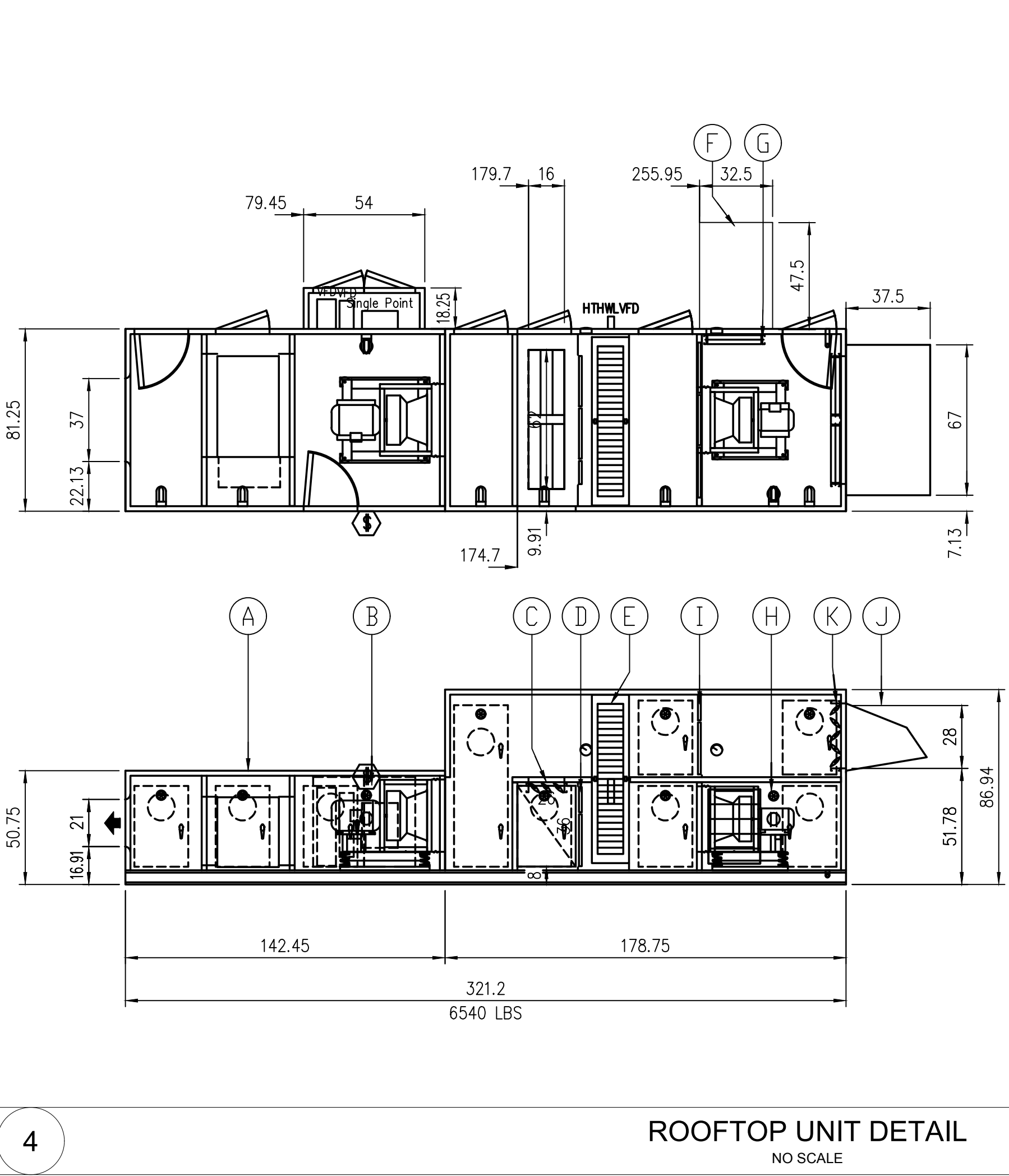
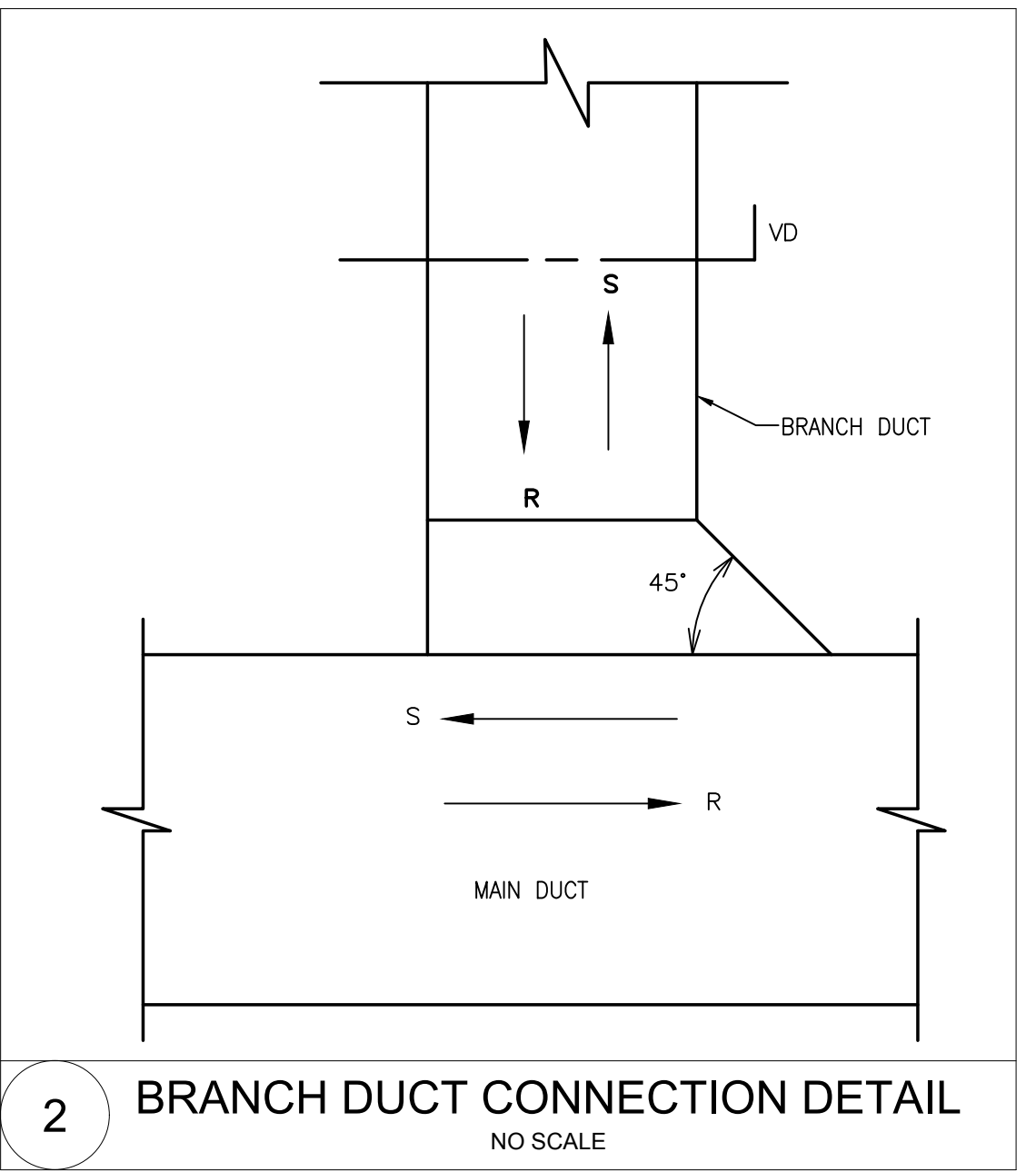
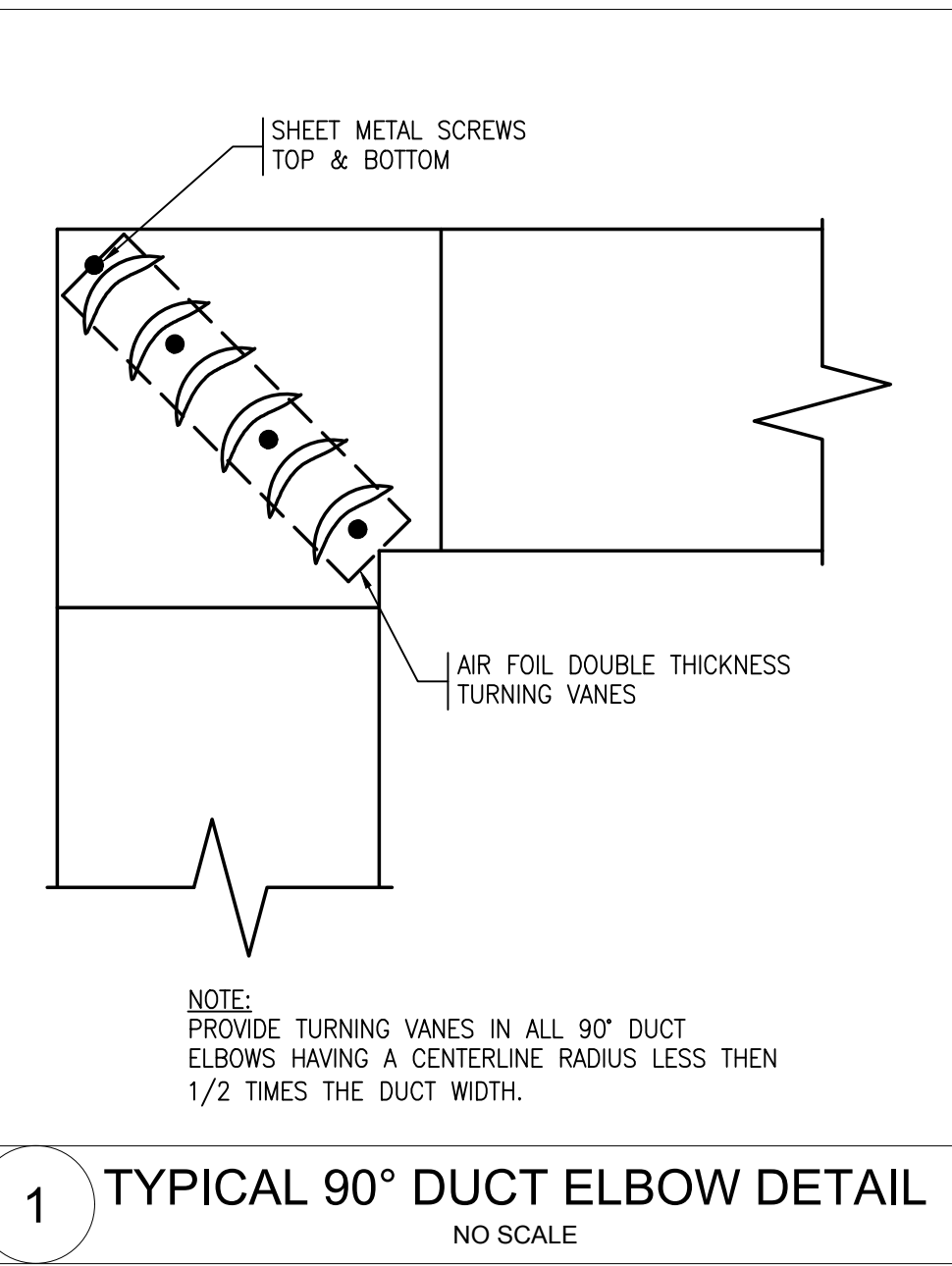
ID	CFM	DIFFUSER, REGISTER & GRILLE SCHEDULE				
TAG NO.	MODULE SIZE (IN)	NECK SIZE (IN)	SERVICE	MANUFACTURER MODEL NUMBER	REMARKS	
SR-1	26x16	24x14	SUPPLY	TITUS 300FL		
SR-2	38x14	36x12	SUPPLY	TITUS 300FL		
SR-3	26x16	24x14	SUPPLY	TITUS 300FL		
ER-1	16x26	14x24	EXHAUST	TITUS 350FL		
ER-2	20x54	18x52	EXHAUST	TITUS 350FL		
ER-3	26x16	24x14	EXHAUST	TITUS 350FL		
ER-4	8x8	6x6	EXHAUST	TITUS 350FL		

TAG	AREA SERVED	MFG'R. & MODEL NO.	TYPE UNIT	HEAT MBH	COOL MBH	CFM	ELEC. V/PH/HZ	MCA	MOP	OUTDOOR UNIT	REMARKS
FCU-1	VFD AREA	YORK YICS030B21S	CEILING SUSPEND.	31.9	30.0	1,059	208/1/60	1.1	15	ACCU-1	UNIT TO BE MOUNTED 20" BELOW STRUCTURE
FCU-2	VFD AREA	YORK YICS030B21S	CEILING SUSPEND.	31.9	30.0	1,059	208/1/60	1.1	15	ACCU-1	UNIT TO BE MOUNTED 20" BELOW STRUCTURE



TAG NO.	LOCATION	EXTRACT PPD	ELECTRICAL DATA			MANUFACTURER MODEL NUMBER	WEIGHT LB	NOTES
			V	PH	HZ			
DH-1	BASEMENT LEVEL	56	120	1	60	EBAC IND. PRODUCTS MODEL CS60	63	PROVIDE WALL BRACKET AND COND. PUMP
DH-2	MEZZANINE LEVEL	56	120	1	60	EBAC IND. PRODUCTS MODEL CS60	63	PROVIDE WALL BRACKET AND COND. PUMP

MOUNT DEHUMIDIFIER ON WALL 18" A.F.F.



- (K) OA DAMPER : OPPOSED BLADES
MAKE : T.A. Morrison 1000
SIZE : 57 X 29
- UNIT MOUNTING
The unit is designed to be mounted on a roof mounted.
Note : Calculated unit weights are shipping weights and do not reflect operating conditions, items which are field installed or ship loose.
- (A) GAS FIRED FURNACE, 10:1 TURNDOWN
MAKE : HEATCO
MODEL : HDA350XX44808MB
FUEL PRESSURE : 0.500 psi
INPUT : 350 MBH OUTPUT : 280 MBH
- (B) Service : SF
Fan: 22" EPQN SW, Arrangement-4
Class: 2 Max RPM: 2403
OP, P11
A.F.(cfm): 8000
T.S.P.(in wc): 4
E.S.P.(in wc): 1
RPM: 1000
MOTOR : 20 HP, ODP Prem-Eff, 460/3/60
RPM : 1750 (GROUNDED SHAFT)
ISOLATORS : OS DEF : 2 in
FEG80 η_{pt} : 73% η_l/η_{pt} : 92%
- (C) RECIRC DAMPER : PARALLEL BLADES
MAKE : T.A. Morrison 1000
SIZE : 64 X 18
- (D) RA FILTERS : LIFT-OUT UPSTREAM
VELOCITY : 536 FPM
TYPE : 2" (MERV 8) Farr 30/30
SIZES : 3 @ 24 X 12 2 @ 24 X 24
- (E) HEAT WHEEL
TYPE : SG AMERICA HPC-1700T20
VOLTAGE : 460/3/60
VARIABLE SPEED
MOTOR : 0.5 HP
- (F) EA HOOD
- (G) EA DAMPER : PARALLEL BLADES
MAKE : T.A. Morrison 1000
SIZE : 25 X 35
- (H) Service : EF
Fan: 20" EPQN SW, Arrangement-4
Class: 2 Max RPM: 2674
OP, P11
A.F.(cfm): 8250
T.S.P.(in wc): 3
E.S.P.(in wc): 0.8
RPM: 1666
MOTOR : 10 HP, ODP Prem-Eff, 460/3/60
RPM : 1750 (GROUNDED SHAFT)
ISOLATORS : OS DEF : 2 in
FEG75 η_{pt} : 70% η_l/η_{pt} : 80%
- (I) FILTERS : LIFT-OUT UPSTREAM
VELOCITY : 444 FPM
TYPE : 2" (MERV 8) Farr 30/30
SIZES : 3 @ 24 X 24 3 @ 24 X 12
- (J) OA HOOD



REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
180 Crossman Drive, Suite 300
Braintree, Massachusetts 02184
617 221-9220
web: www.sar.com

PROJECT

**MAIN LIFT
PUMP STATION**

TAUNTON, MA

TITLE

**HVAC
SCHEDULE,
DETAILS &
SECTION**

NO.	REVISIONS	DATE

DRAWN BY: RLB
DESIGNED BY: RHB
CHECKED BY: RHB
ISSUE DATE: 03/31/22
BETA JOB NO.: 5530-000

SCALE

For Review Only

SHEET NO. H-7

1/21/2022 10:14 AM W:\YEAR-2017\7068-00-TAUNTON-MAIN LIFT PUMP STATION\HVAC DEPARTMENT\7068-00-HVAC PLAN.DWG

PREPARED BY



www.BETA-Inc.com

REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
150 Crossman Drive, Suite 209
Braintree, Massachusetts 02184
617 221-9220
web: www.sar.com

PROJECT

**MAIN LIFT
PUMP STATION**

TAUNTON, MA

TITLE

PLUMBING
#####

NO. REVISIONS DATE

DRAWN BY: GPC

DESIGNED BY: GPC

CHECKED BY: JAL

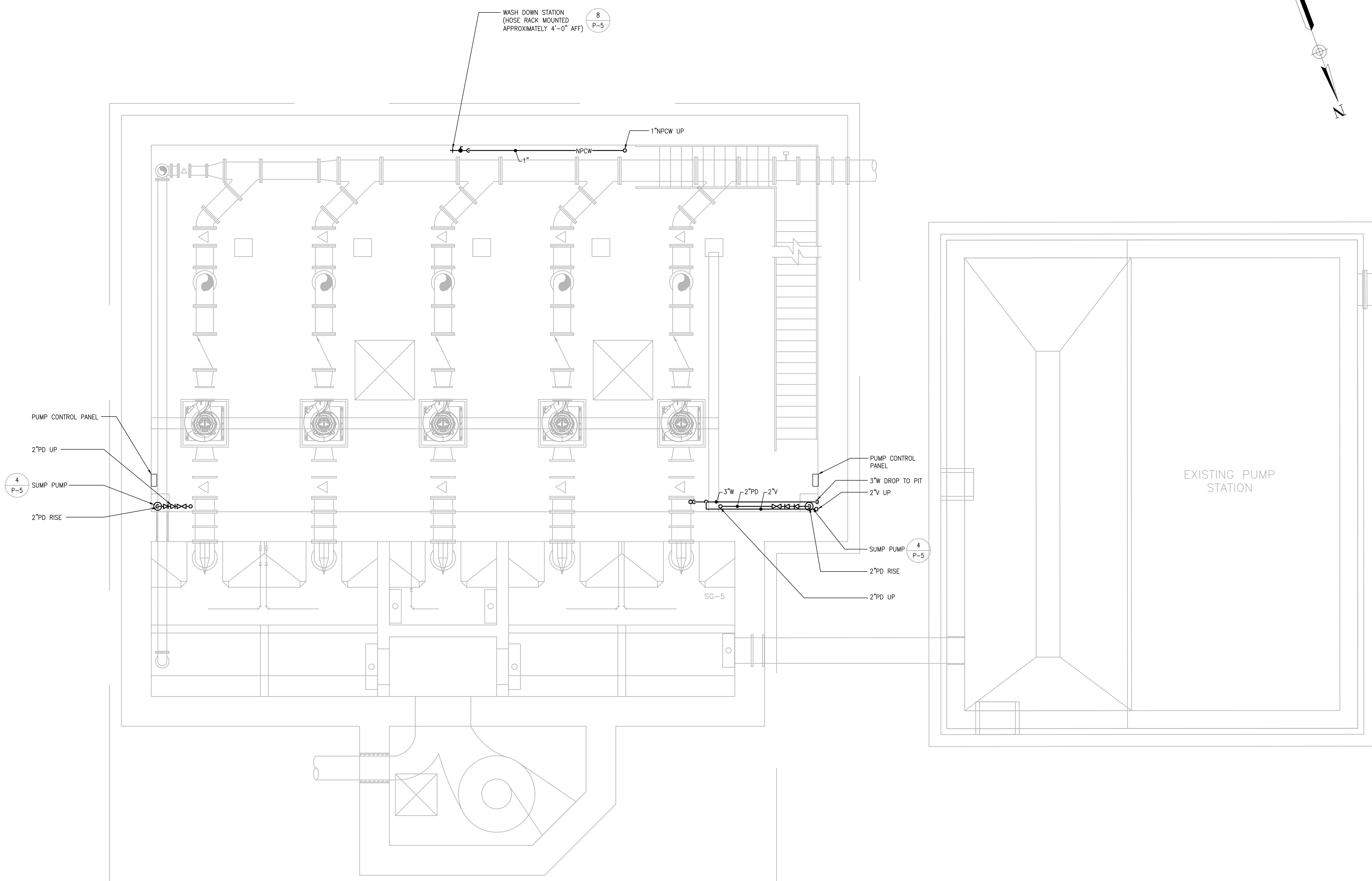
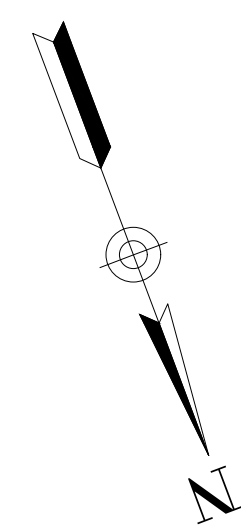
ISSUE DATE: 03/31/22

BETA JOB NO.: 5530-000

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO. P-2



PLUMBING BASEMENT LEVEL PLAN
SCALE: 1/4" = 1'

1/10/2022 1:36 PM 14YEAR - 201717003.00 - TAUNTON MAIN LIFT PUMP STATION PLUMBING DEPARTMENT\17003-PLUMBING.DWG

PREPARED BY



www.BETA-Inc.com

REGISTERED PROFESSIONAL



SUBCONSULTANT



Mechanical/Electrical Engineers
180 Crossman Drive, Suite 209
Braintree, Massachusetts 02184
617 221-9220
web: www.sar.com

PROJECT

**MAIN LIFT
PUMP STATION**

TAUNTON, MA

TITLE

PLUMBING
#####

NO. REVISIONS DATE

DRAWN BY: RLB

DESIGNED BY: RLB

CHECKED BY: JAL

ISSUE DATE: 03/31/22

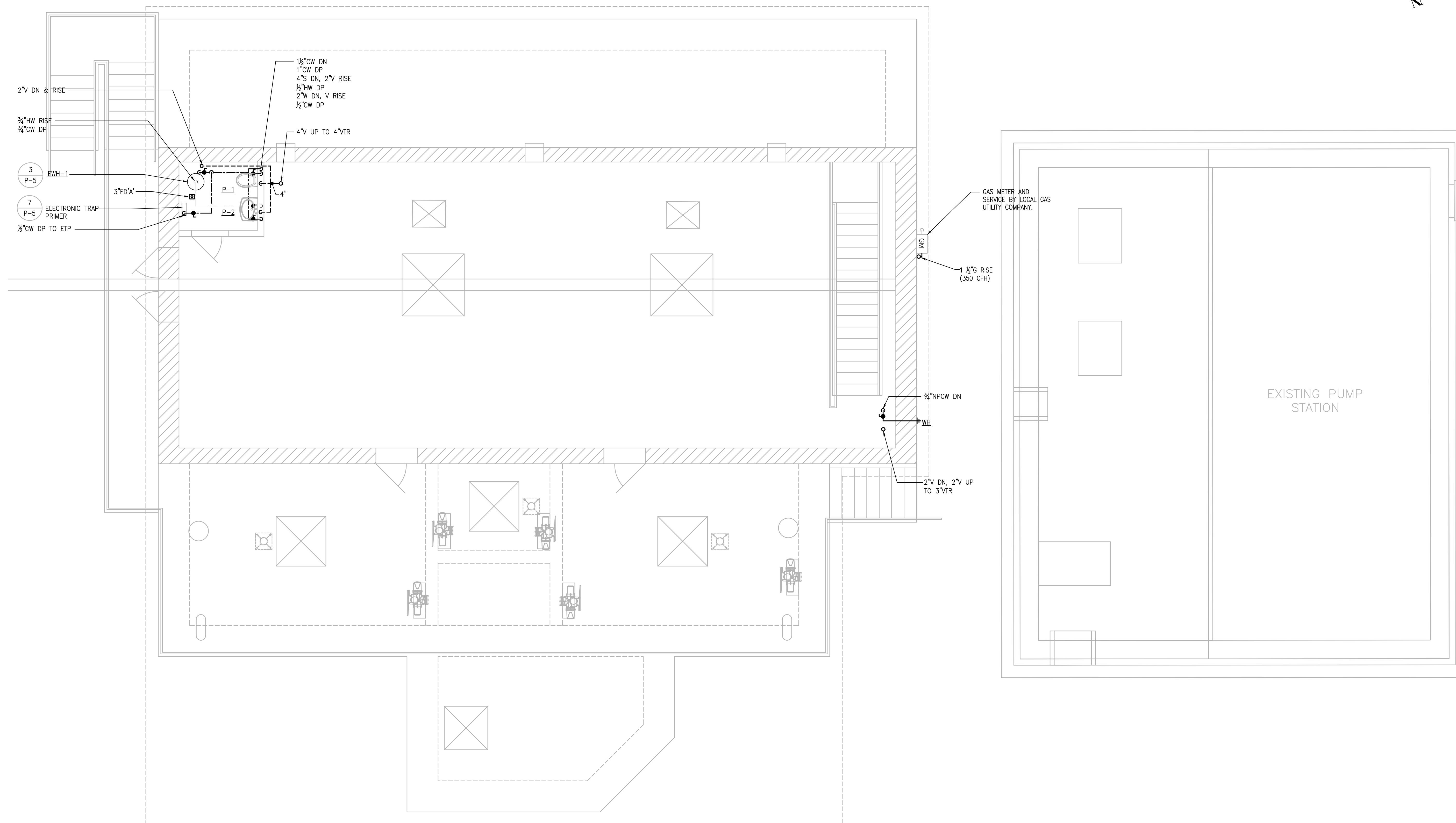
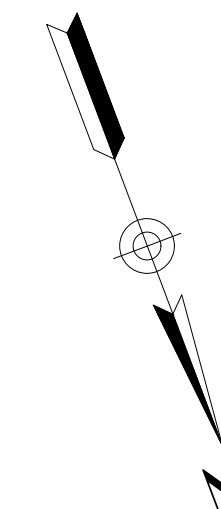
BETA JOB NO.: 5530-000

SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

P-4



PLUMBING GROUND LEVEL PLAN
SCALE: 1/4" = 1'

1/10/2022 1:36 PM W:\YEAR - 2017\17003.00 - TAUNTON-MAIN LIFT PUMP-STATION\PLUMBING DEPARTMENT\17003-PLUMBING.DWG

