

SUEZ WATER NEW YORK
WEST NYACK, NEW YORK

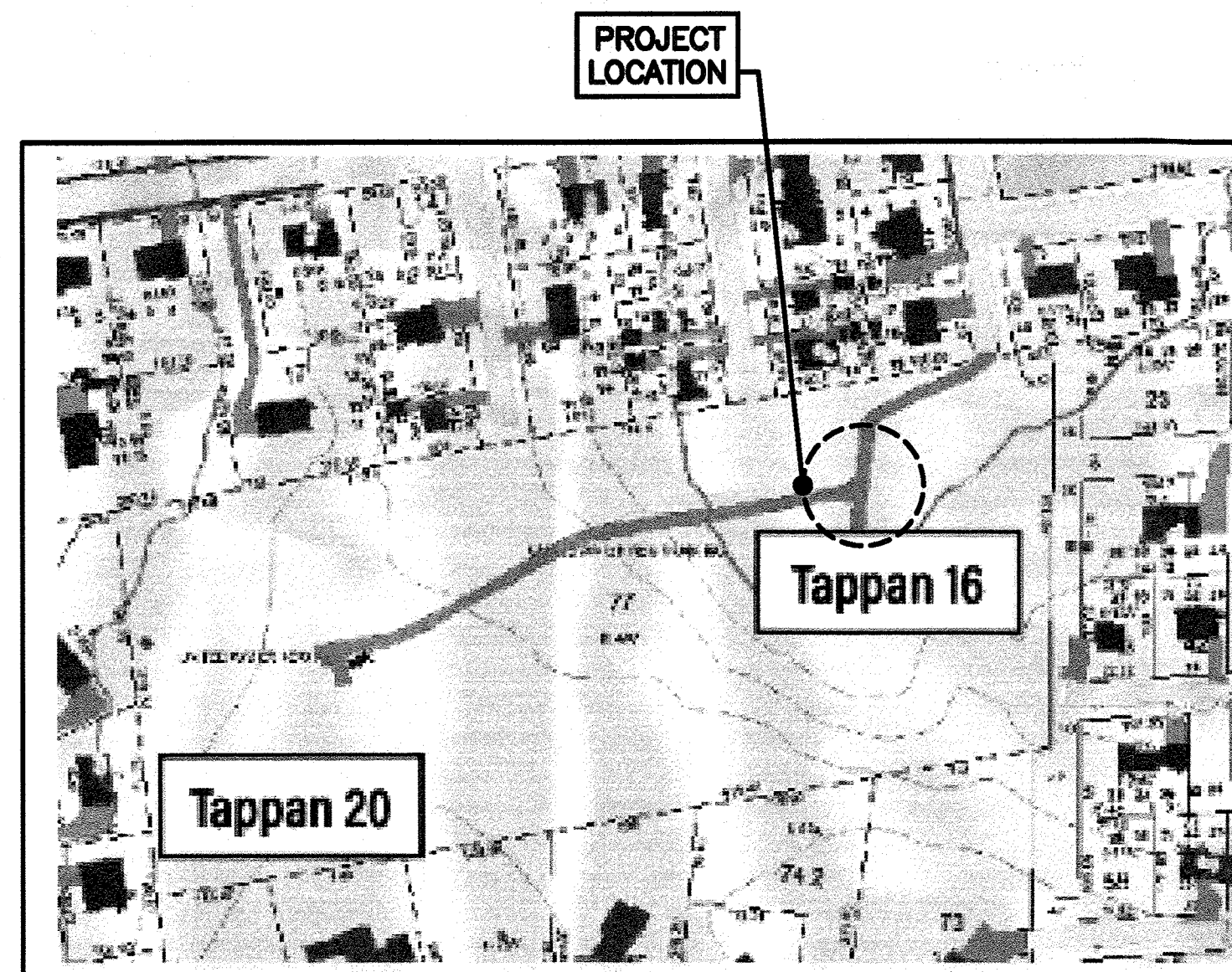
PFAS COMPLIANCE FOR GROUNDWATER WELLS

PROJECT B

CONTRACT NO. 15806

PLANNING BOARD SUBMITTAL

MAY 2022



TAPPAN
TOWN OF ORANGETOWN

LOCATION MAPS
NOT TO SCALE



WARNING:
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CAMP DRESSER McKEE & SMITH - LATHAM, NEW YORK

Water

Environment

Transportation

Energy

Facilities

GENERAL

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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CROSS CHK'D BY:	C. MEEHAN
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DATE:	MAY 2022

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**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

INDEX OF DRAWINGS

PROJECT NO.	250917-257061
FILE NAME:	G001INDX.DWG
SHEET NO.	G-1

LEGEND

	PROPERTY LINE
	ADJOINING PROPERTY LINE
	EASEMENT LINE
	INDEX CONTOUR LINE
	CONTOUR LINE
	EDGE OF WETLANDS
	CHAIN LINK FENCE
	CURB LINE
	EDGE OF CONCRETE
	EDGE OF PAVEMENT
	EDGE OF WATER
	PAINTED TRAFFIC LINES
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	WATER (UNDERGROUND)
	SILT FENCE (NEW HEMPSTEAD/VIOLA)
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	MONUMENT FOUND
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	UTILITY POLE
	MANHOLE (SAN. SEWER)
	WATER VALVE
	HYDRANT
	SIGN
	WETLAND FLAG
	BORING
	BOLLARD
	TEST PIT

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y=10933.59
DS93.29
592.58



ABBREVIATIONS

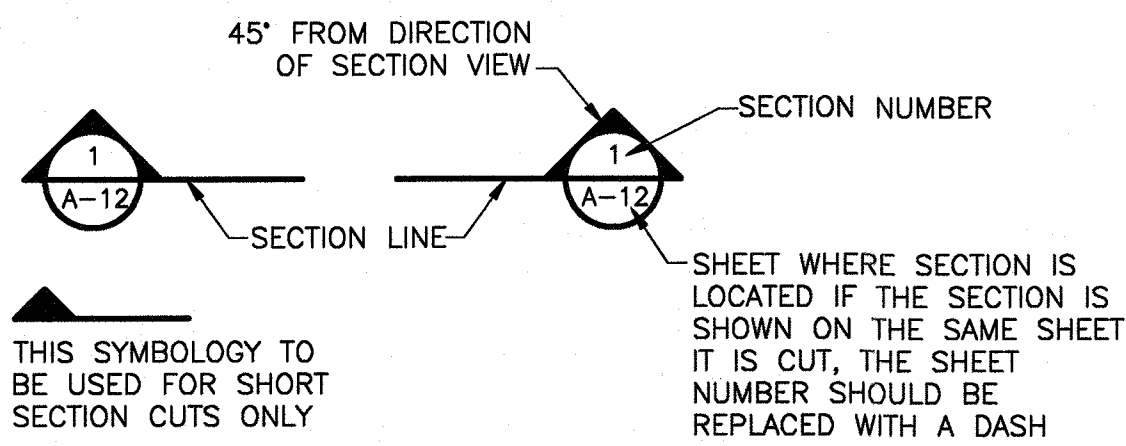
APPROX	APPROXIMATELY	MD	METAL DOOR
BFV	BUTTERFLY VALVE	N	NORTH
C.C.	CONCRETE CURB	NAD	NORTH AMERICAN DATUM
CI	CAST IRON	NAVD	NORTH AMERICAN VERTICAL DATUM
CMP	CORRUGATED METAL PIPE	OD	OUTSIDE DIAMETER
C.N.O	COULD NOT OPEN	PE	PLASTIC
CONC.	CONCRETE	RED	REDUCER
DI	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
DOH	DEPARTMENT OF HEALTH	S	SOUTH
E	EAST	SD	STORM DRAIN
EXIST	EXISTING	SS	SANITARY SEWER
G	GAS	ST	STEEL
GIS	GEOGRAPHIC INFORMATION SYSTEM	STA	STATION
GRT	METAL GRATE	TYP	TYPICAL
GV	GATE VALVE	UE	UNDERGROUND ELECTRIC
INV.	INVERT	W	WATER OR WEST
LF	LINEAR FEET	WI	WROUGHT IRON
		WV	WATER VALVE

GENERAL NOTES

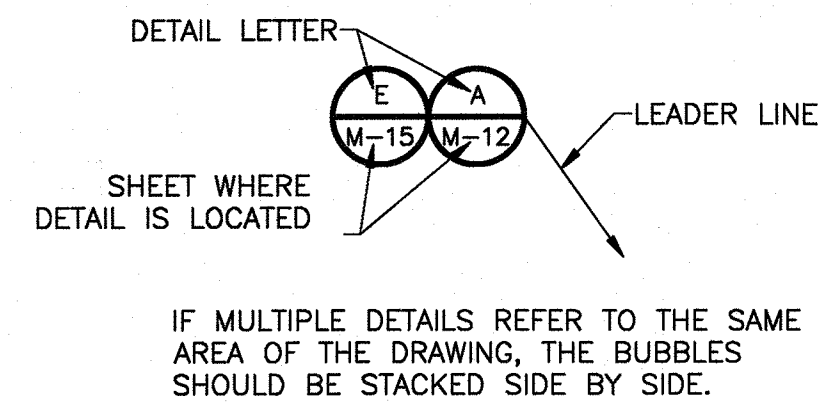
- BASE MAPPING IS BASED ON A FIELD SURVEY COMPLETED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C. COMPLETED ON 3/11/2021 AND 4/01/2021. THE HORIZONTAL DATUM IS NEW YORK STATE PLANE NAD83, NEW YORK EAST ZONE. THE VERTICAL DATUM IS NAVD88.
- CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE WITH PROPOSED WORKING HOURS TO THE OWNER'S FIELD REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION AT THE SITE. THE FIELD REPRESENTATIVE SHALL COORDINATE SCHEDULE WITH APPLICABLE REGULATORY AGENCIES AND STAKEHOLDERS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK, LANE CLOSURES AND DISRUPTIONS WITH GOVERNING AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN TO THE MUNICIPALITIES PRIOR TO STARTING WORK. PROPER TRAFFIC CONTROL MUST BE MAINTAINED THROUGHOUT THE PROJECT DURATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SECURING AND REHABILITATING TEMPORARY STAGING, STORAGE AND/OR STOCKPIILING AREAS, IF NEEDED, DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, SUEZ WATER, AND ALL UTILITIES PRIOR TO STARTING WORK.
- REGULAR WORKING HOURS FOR THIS PROJECT ARE DEFINED AS MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 7:00 AM AND 5:00 PM UNLESS OTHERWISE STIPULATED BY THE ROAD OWNER.
- FOR ALL WORK NEAR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL FOLLOW PROPER NOTIFICATION PROCEDURES INCLUDING CONTACTING THE STATE "ONE CALL" SYSTEM (DIG SAFE NY) BY CALLING 1-800-962-7962.
- DIG EXPLORATORY TEST PITS AS REQUIRED TO DETERMINE UNDERGROUND CONDITIONS. FIELD ENGINEER AND OWNER SHALL APPROVE OF TEST PITS PRIOR TO EXCAVATION.
- THE LOCATION AND FULL EXTENT OF TRAFFIC SIGNAL LOOPS, CONDUIT, AND WIRING MAY NOT BE SHOWN. THE CONTRACTOR SHALL COORDINATE THE MARK-OUT OF SIGNAL LOOPS AND WIRING WITH THE GOVERNING AGENCY. LOOPS AND WIRING DAMAGES DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING AGENCY AT NO ADDITIONAL COST TO SUEZ WATER.
- ALL SERVICE LOCATIONS ARE INTENDED TO SHOW THE PRESENCE OF A SERVICE AND DO NOT REPRESENT THE EXACT LOCATIONS. EXACT LOCATIONS AND SIZES OF SERVICES TO BE VERIFIED IN THE FIELD.
- THE CONTRACTOR SHALL SUPPORT EXISTING UTILITIES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY.
- SILT FENCES SHALL BE INSTALLED PRIOR TO CLEARING AND TRENCHING WHERE SPECIFIED IN SECTION 01110 AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM.
- ALL TEMPORARY CONCRETE BARRIERS SHALL CONFORM TO NYSDOT M606-21.
- ALL PIPE SHALL BE CLASS 52 CEMENT/MORTAR LINED DUCTILE IRON PIPE CONFORMING TO AWWA STANDARD C151 UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY SUEZ WATER PRIOR TO CONNECTION TO OR RELOCATION OF ANY EXISTING SUEZ WATER-OWNED AND MAINTAINED FACILITIES. ALL CONNECTIONS AND MODIFICATIONS TO EXISTING FACILITIES SHALL BE DONE AT THE CONVENIENCE OF SUEZ WATER.
- THE DRAWINGS INDICATE THE PRESENCE OF BENDS AS PART OF THE NEW INSTALLATION. BENDS ARE SHOWN TO INDICATE THE FACT THAT THE INSTALLATION WILL INCLUDE BENDS, BUT NOT TO INDICATE THE EXACT PLACEMENT OF BENDS. PRECISE LOCATION OF BENDS TO BE DETERMINED IN THE FIELD.
- SANITARY SEWER MAINS AND CROSSINGS TO BE FIELD VERIFIED BY CONTRACTOR. THE CONTRACTOR IS CAUTIONED THAT ALL SANITARY LATERALS AND UTILITY SERVICES HAVE NOT BEEN LOCATED, WHEN THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION AND CANNOT ADJUST THE ALIGNMENT USING ALLOWABLE JOINT DEFLECTION, THE CONTRACTOR SHALL INSTALL FITTINGS PROVIDED BY SUEZ WATER AT NO ADDITIONAL COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROMPT REPAIR OF DAMAGED UTILITIES AND SHALL MAINTAIN ON SITE AN ADEQUATE SUPPLY OF REPAIR MATERIALS.
- CONTRACTOR SHALL MAINTAIN A VERTICAL MINIMUM CLEARANCE OF 18-INCHES BETWEEN THE NEW WATER MAIN AND ALL OTHER EXISTING UTILITIES WHEN POSSIBLE. NEW WATER MAINS SHALL PASS UNDER ALL EXISTING UTILITIES EXCEPT SANITARY SEWERS UNLESS OTHERWISE SHOWN OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
- WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER, WITH PREFERENCE TO THE WATER MAIN LOCATED ABOVE THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.
- CONTRACTOR SHALL ENCASE NEW WATER MAIN IN K-CRETE WHEN PIPE IS WITHIN 10 FEET OF SANITARY OR STORM SEWER HORIZONTALLY OR CROSSES WITHIN 18 INCHES VERTICALLY.
- THE CONTRACTOR SHALL BE AWARE THAT THE MAINS AND VALVES TO BE SHUT DOWN ARE OLD. AS SUCH, A WATERTIGHT SHUTDOWN CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE PREPARED TO UNDERTAKE MAIN ABANDONMENT OPERATIONS AND CONNECTIONS TO THE EXISTING MAINS IN WET CONDITIONS. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION IF EXISTING VALVES LEAK. THE CONTRACTOR SHALL PROVIDE THE NECESSARY PUMPING AND DEWATERING EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- ALL NEW WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 4 FEET OF COVER, UNLESS OTHERWISE NOTED ON THE PLAN SHEETS OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THRUST BLOCKS SHALL BE INSTALLED ON ALL FITTINGS. PIPE JOINTS SHOWN TO BE RESTRAINED SHALL HAVE FIELD LOK GASKETS.
- DURING EXCAVATIONS, THE CONTRACTOR SHALL, AS A MINIMUM, COMPLY WITH THE EXCAVATION SAFETY STANDARDS, PROVIDE SPECIAL SHORING (IF REQUIRED), AND PROVIDE COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARD 29 CFR 1926/650 (SUBPART B AS AMENDED).
- TRENCH EXCAVATIONS NEAR STREAMS AND DRAINAGE SWALES SHALL BE DEWATERED USING SILTATION BAGS OR APPROVED EQUAL. CONTRACTOR SHALL NOT PUMP UNFILTERED WATER INTO STREAMS OR INTO STRUCTURES WHICH DISCHARGE TO A WATER BODY.
- IF ASBESTOS IS ENCOUNTERED, ONLY ASBESTOS-CERTIFIED CONTRACTORS ARE TO PERFORM SERVICE TAPS ON ASBESTOS CEMENT PIPE. CONTRACTOR TO RETAIN AC PIPE TAP COUPON FOR SUEZ WATER RECORD KEEPING PURPOSES.
- CONTROL DENSITY BACKFILL SHALL BE PROVIDED WHEN EXISTING UTILITY LINES ARE UNDERMINED AND SELECTED BACKFILL CAN NOT BE PROPERLY PLACED.
- NEW MAIN SHALL BE INSTALLED COMPLETE BY CONTRACTOR, THEN PRESSURE TESTED IN ACCORDANCE WITH THE LATEST EDITIONS OF AWWA STANDARD C600 AND DISINFECTED PRIOR TO TRANSFERRING SERVICE TO THE NEW MAINS BY SUEZ WATER.
- THE CONTRACTOR SHALL INSTALL A 2" CORPORATION STOP, A SECTION OF 2" COPPER TO GRADE WITH A 2" CURB STOP OR 2" BALL VALVE WITH A SECTION OF 2" COPPER WITH A COUPLING NUT AND FLARED END FOR BLEEDING, FLUSHING, PRESSURE TESTING, DISINFECTING, AND DE-CHLORINATING THE WATER MAIN. THE CORPORATION STOP TESTING ASSEMBLY SHALL BE INSTALLED AT THE BEGINNING AND END OF A SEGMENT TO BE TESTED AND DISINFECTED AND SHALL NOT EXCEED A MAXIMUM LENGTH OF 1,200 FEET AND THE CONTRACTOR SHALL INSTALL ADDITIONAL CORPORATION STOPS AS ARE REQUIRED FOR PROPER TESTING, FLUSHING, AIR BLEEDING, AND DISINFECTING.
- DURING FLUSHING AND PRESSURE TESTING OF THE MAIN, THE CONTRACTOR SHALL NOT OPERATE VALVES WITHOUT THE DIRECT SUPERVISION OF SUEZ WATER, INCLUDING NEW VALVES INSTALLED.
- AFTER THE MAIN HAS BEEN PLACED INTO SERVICE, THE CONTRACTOR SHALL REMOVE THE TESTING ASSEMBLY AND ABANDON THE CORPORATION STOP OR THE CURB STOP. THE CORPORATION STOP OR THE CURB STOP SHALL BE IN THE CLOSED POSITION AND THE END OF THE COPPER PIPE SHALL BE CRIMPED BELOW GRADE PRIOR TO BACKFILL AND PAVE IN ACCORDANCE WITH THE APPLICABLE TRENCH DETAIL.
- REGARDLESS OF THE SOURCE OF POTABLE WATER, ALL WATER USED FOR TESTING AND DISINFECTING PURPOSES SHALL BE PROPERLY DISPOSED OF (INCLUDING DE-CHLORINATION) BY THE CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, LOCAL AND SUEZ WATER STANDARDS.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH HAVE OCCURRED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK. ITEMS SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
- SHRUBS AND HEDGES WHICH MUST BE REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- IF CONTRACTOR UNNECESSARILY DAMAGES CURBS AND SIDEWALKS DUE TO NEGLIGENCE OR UNSUITABLE CONSTRUCTION TECHNIQUES, THE CONTRACTOR SHALL RESTORE THOSE ITEMS IN KIND AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, WALLS, WALKS, CURBS, FENCES, ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED. MAILBOXES, POSTS, ETC. SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. THE COST OF THIS WORK SHALL BE PAID FOR UNDER THE BID ITEM FOR MISCELLANEOUS WORK AND CLEANUP. ITEMS DAMAGED THROUGH CONTRACTOR NEGLIGENCE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL TO AN APPROVED OFF-SITE LOCATION AT NO ADDITIONAL COST TO THE OWNER.
- RESTORATION, INCLUDING THE REMOVAL OF EXCESS EXCAVATED MATERIAL AND PLACEMENT OF TEMPORARY PAVEMENT, SHALL BE PERFORMED AND COMPLETED ON A DAILY BASIS. ALL ROADS SHALL BE PASSABLE TO VEHICULAR TRAFFIC AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED. THESE SHALL BE PROVIDED TO SUEZ WATER.

SYMBOLS

SECTION CUT SYMBOLS

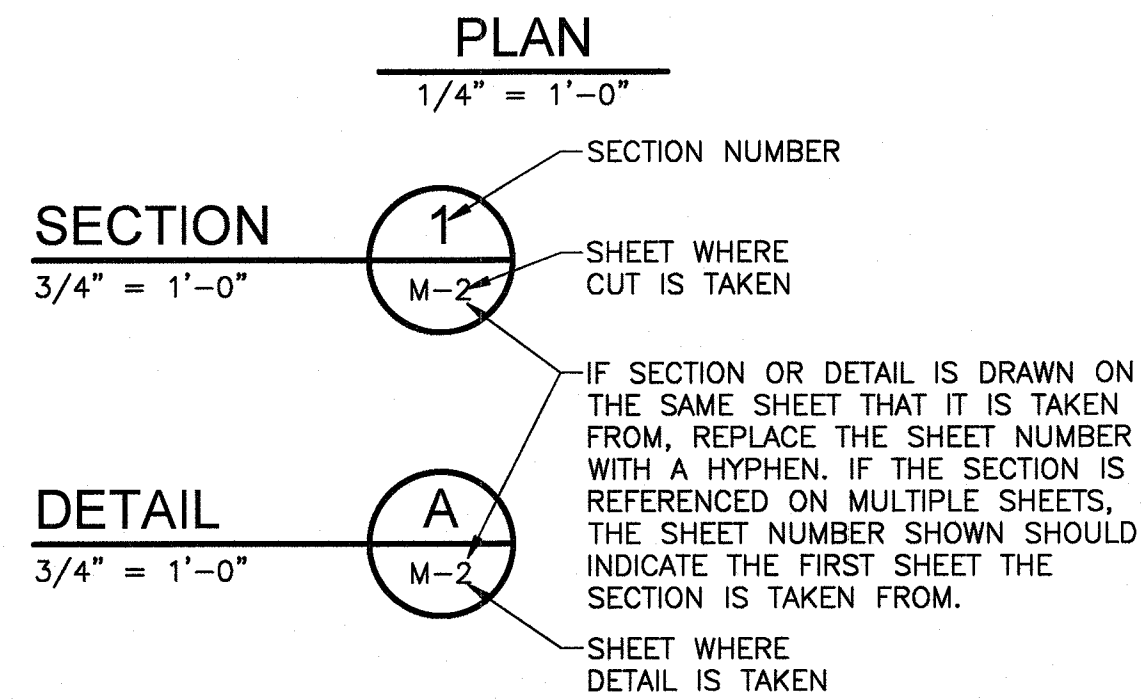


DETAIL CALL OUT SYMBOLS

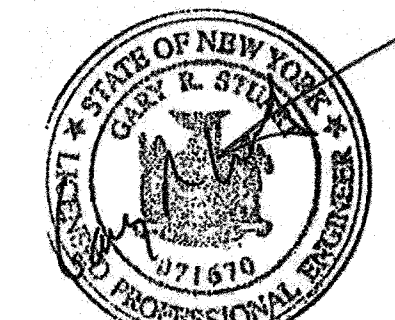


DRAWING SECTION AND DETAIL TITLES

SUBTITLE OR DESCRIPTION (AS REQ'D)



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DRAWN BY:	R. HAINES
SHEET CHK'D BY:	G. CAPOBIANCO
CROSS CHK'D BY:	D. ROSENTHAL
APPROVED BY:	G. STUART
DATE:	SEPTEMBER 2021

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	5/21	RWH	DAR	REVISED PER TOWN COMMENTS

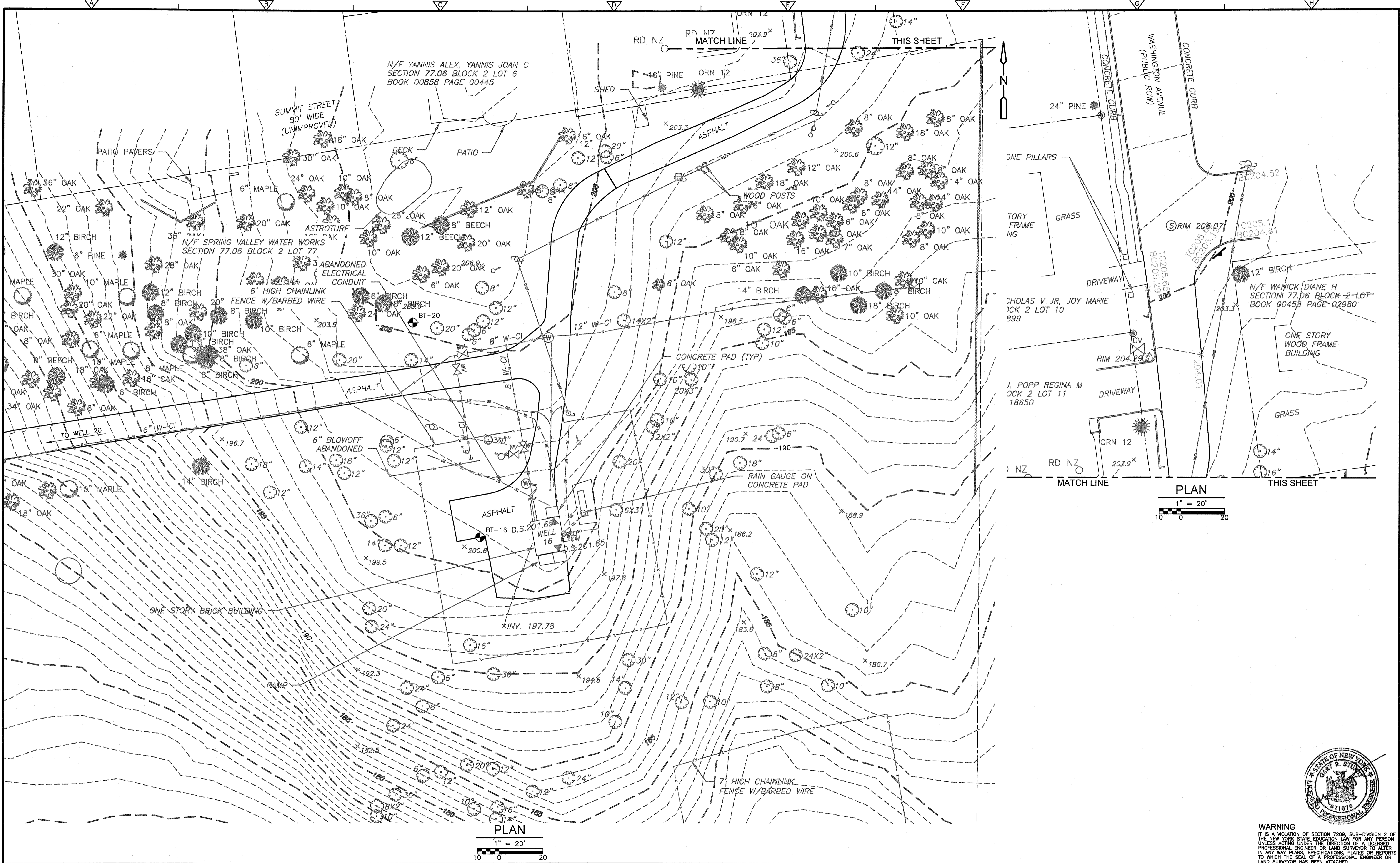
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CIVIL
GENERAL NOTES, ABBREVIATIONS,
LEGEND AND SYMBOLS

PROJECT NO. 250917-257061
FILE NAME: C100NFG.DWG
SHEET NO.
C-100

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PLAN
1" = 20'
0 20

PLAN
1" = 20'
0 20

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	3/22	RWH	DAR	REVISED ACCESS ROAD

DESIGNED BY: D. ROSENTHAL
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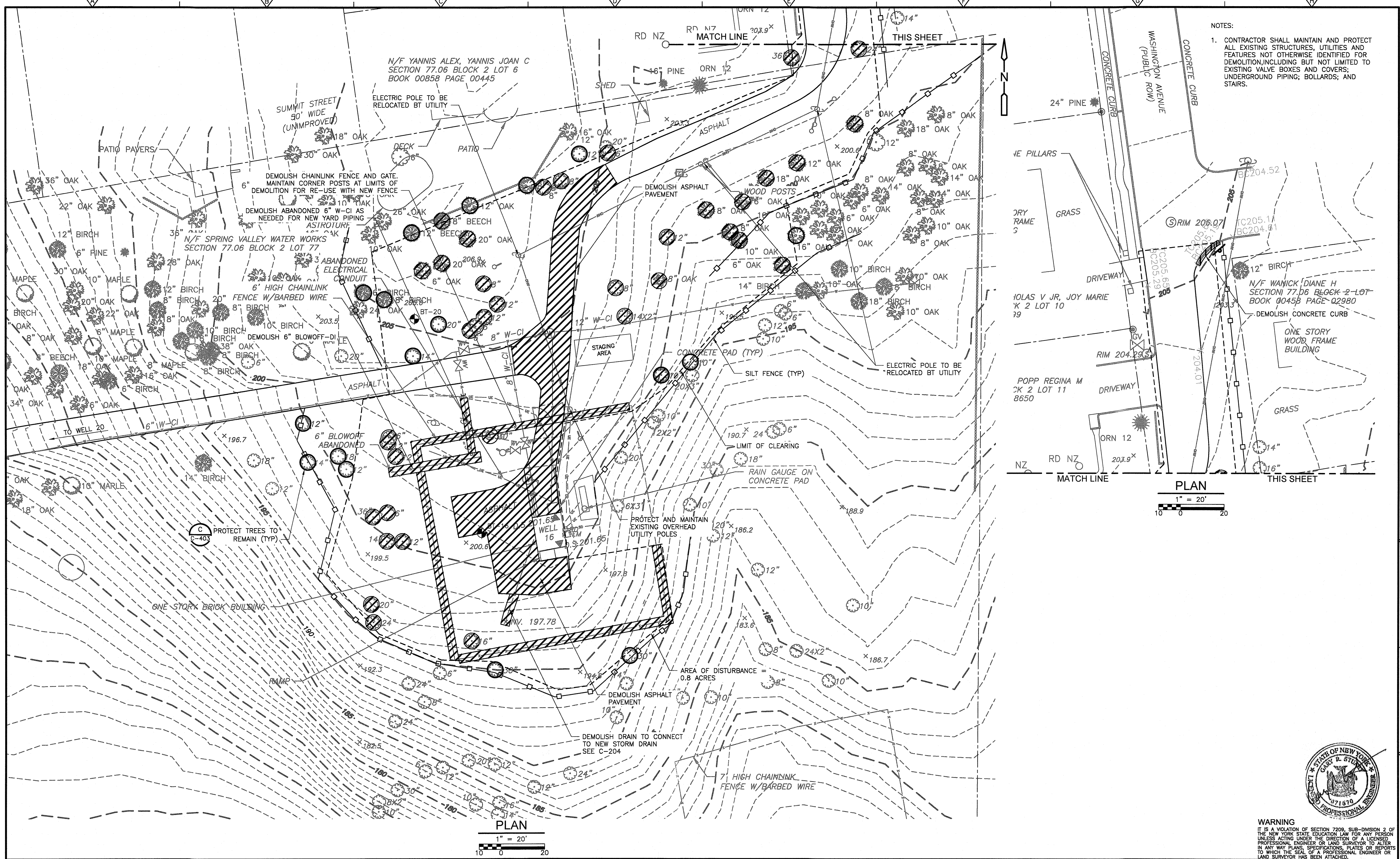
CIVIL
**EXISTING CONDITIONS/BORING PLAN
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C201STPL.DWG
 SHEET NO.
C-201



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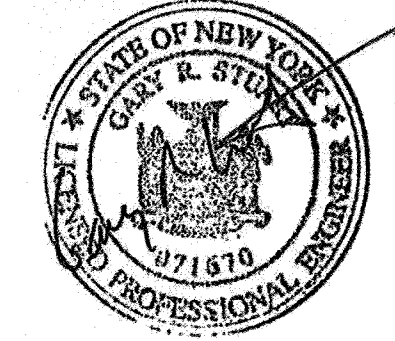
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NOTES:
 1. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING STRUCTURES, UTILITIES AND FEATURES NOT OTHERWISE IDENTIFIED FOR DEMOLITION INCLUDING BUT NOT LIMITED TO EXISTING VALVE BOXES AND COVERS; UNDERGROUND PIPING; BOLLARDS; AND STAIRS.

PLAN
 1" = 20'
 10 0 20

PLAN
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 10 0 20



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REV. NO.	DATE	DRWN	CHKD	REMARKS
2	5/22	RWH	DAR	REVISED PER TOWN COMMENTS
1	3/22	RWH	DAR	REVISED ACCESS ROAD

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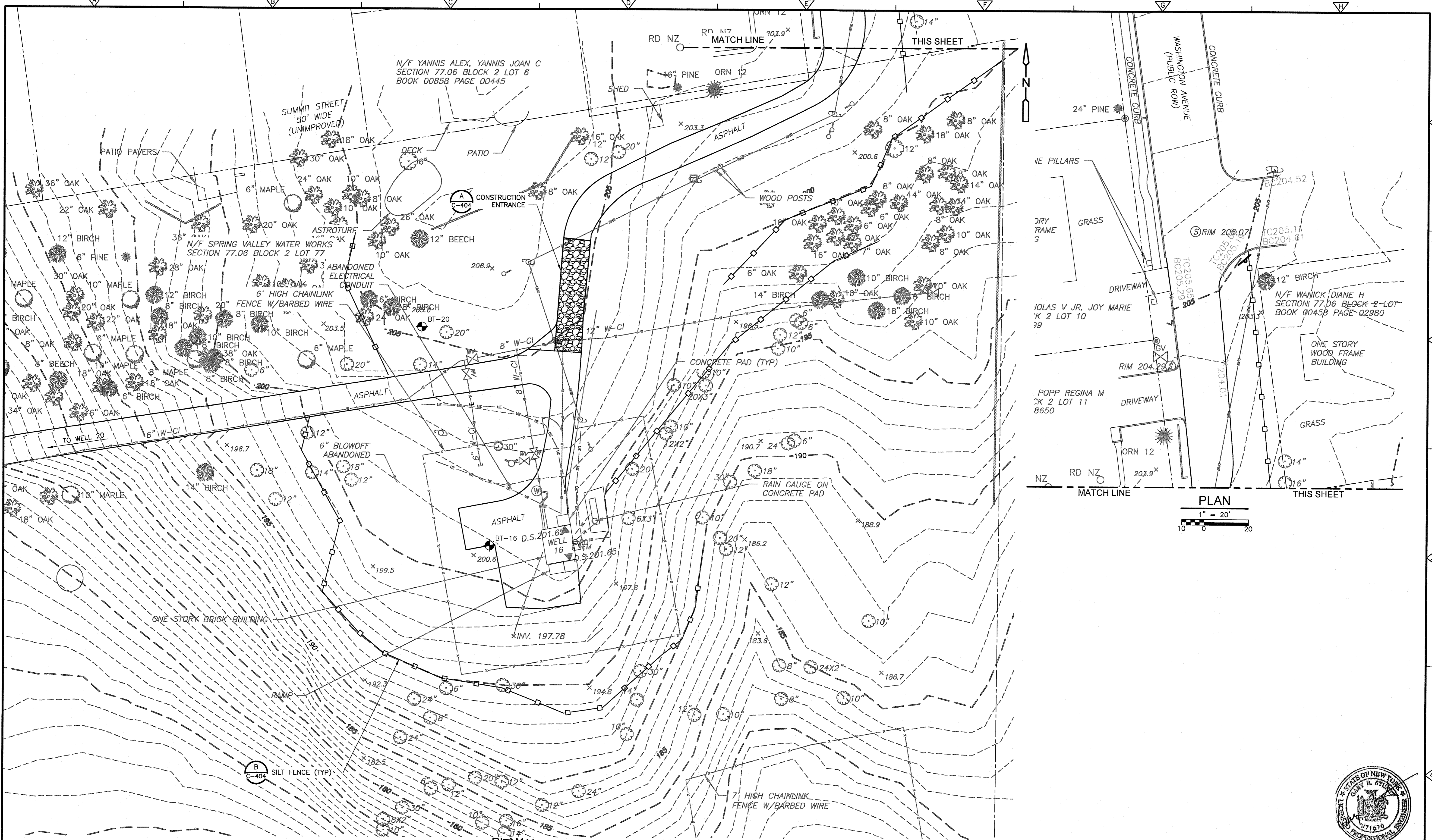
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CIVIL
**SITE CLEARING, DEMOLITION AND STAGING
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C202STPL.DWG
 SHEET NO.
C-202

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PLAN
 1" = 20'
 0 10 20

PLAN
 1" = 20'
 0 10 20

REV. NO.	DATE	DRWN	CHKD	REMARKS
2	5/22	RWH	DAR	PER TOWN COMMENTS
1	3/22	RWH	DAR	REVISED ACCESS ROAD

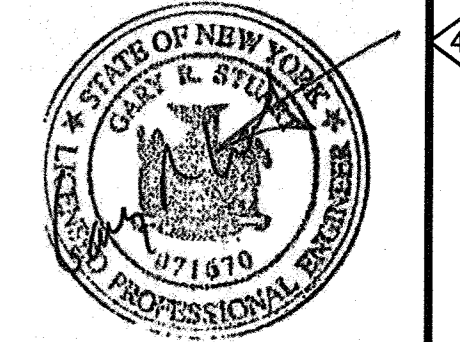
DESIGNED BY: D. ROSENTHAL
 DRAWN BY: R. HAINES
 SHEET CHK'D BY: G. CAPOBIANCO
 CROSS CHK'D BY: P. CABRAL
 APPROVED BY: G. STUART
 DATE: SEPTEMBER 2021

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 Latham, NY 12110
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SUEZ WATER NEW YORK
 WEST NYACK, NY
**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

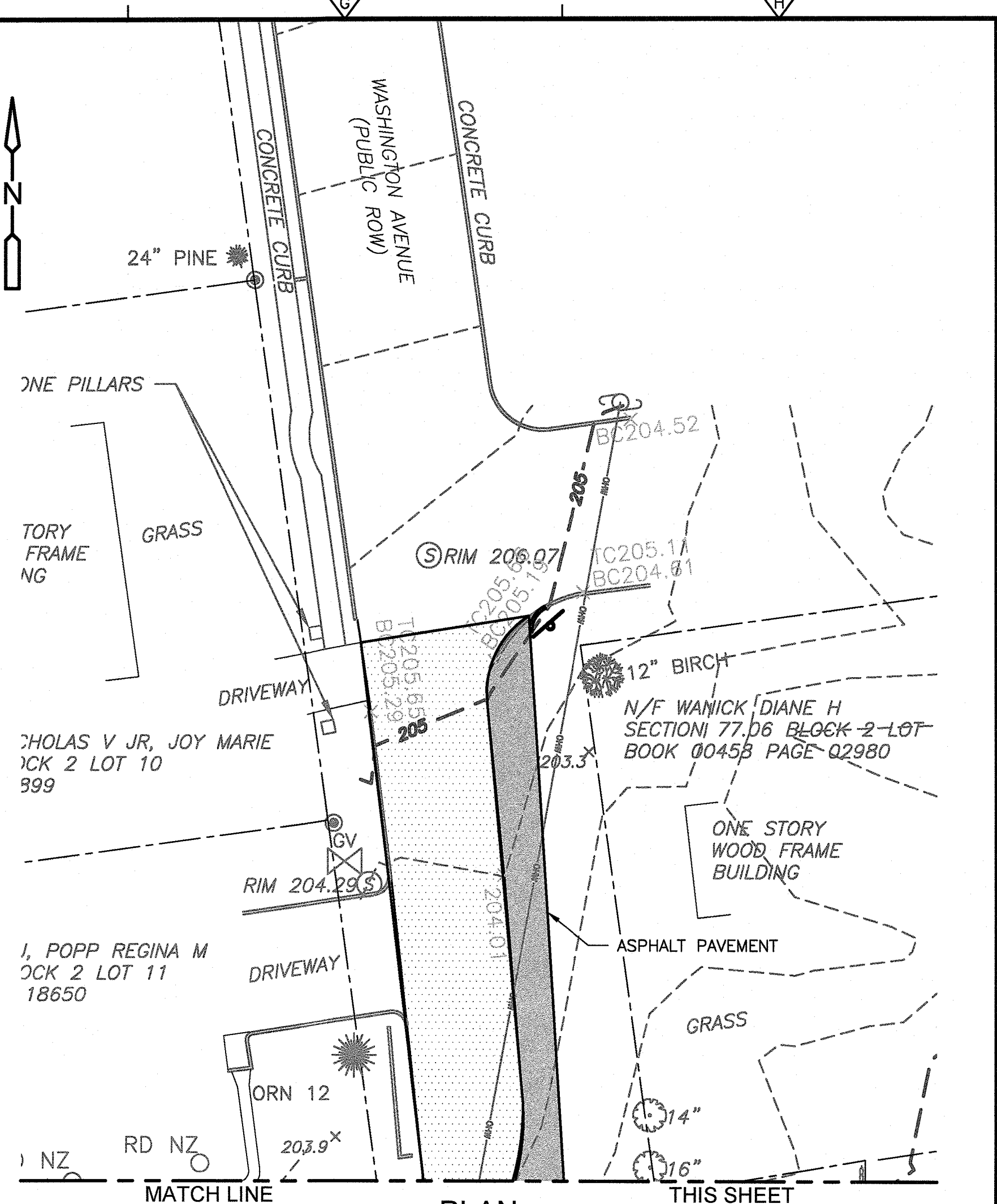
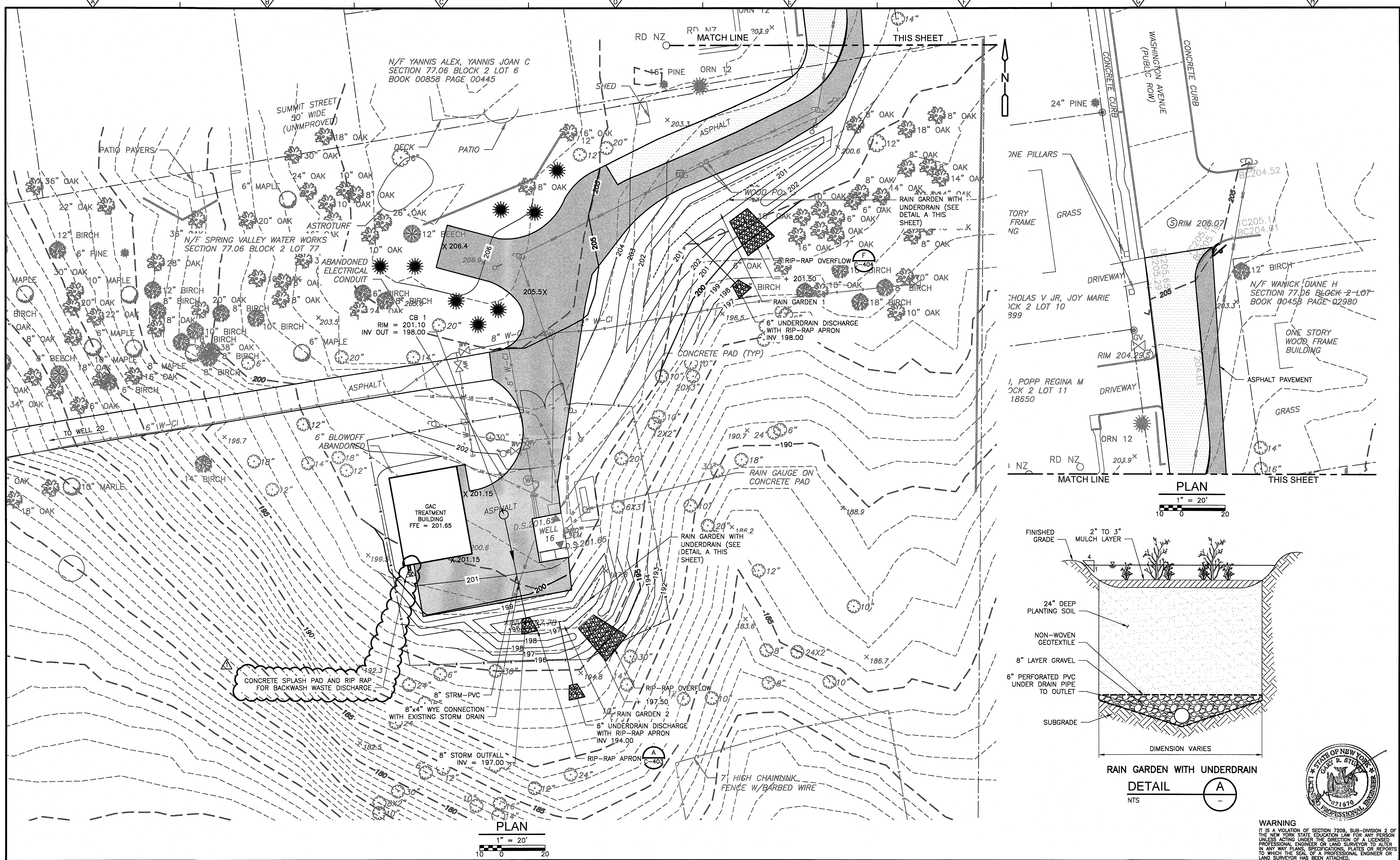
**CIVIL
 SEDIMENTATION AND EROSION CONTROLS PLAN
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C203STPL.DWG
 SHEET NO.
C-203

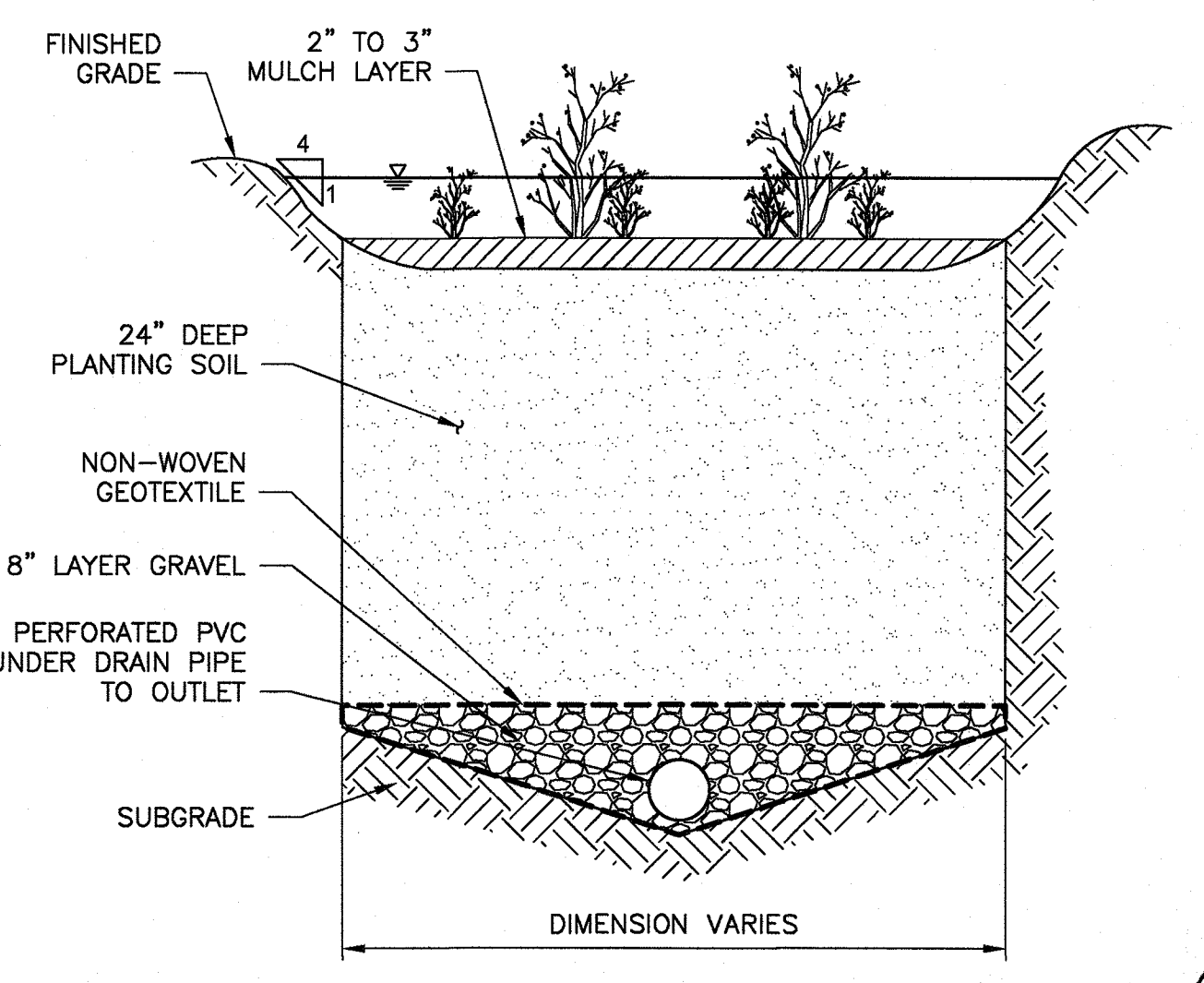


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PLAN
 1" = 20'
 10 0 20



RAIN GARDEN WITH UNDERDRAIN
 DETAIL A
 NTS



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2	3/22	RWH	DAR	REVISED ACCESS ROAD
1	12/21	RWH	GRC	UPDATED IN RESPONSE TO NYSDOH COMMENTS

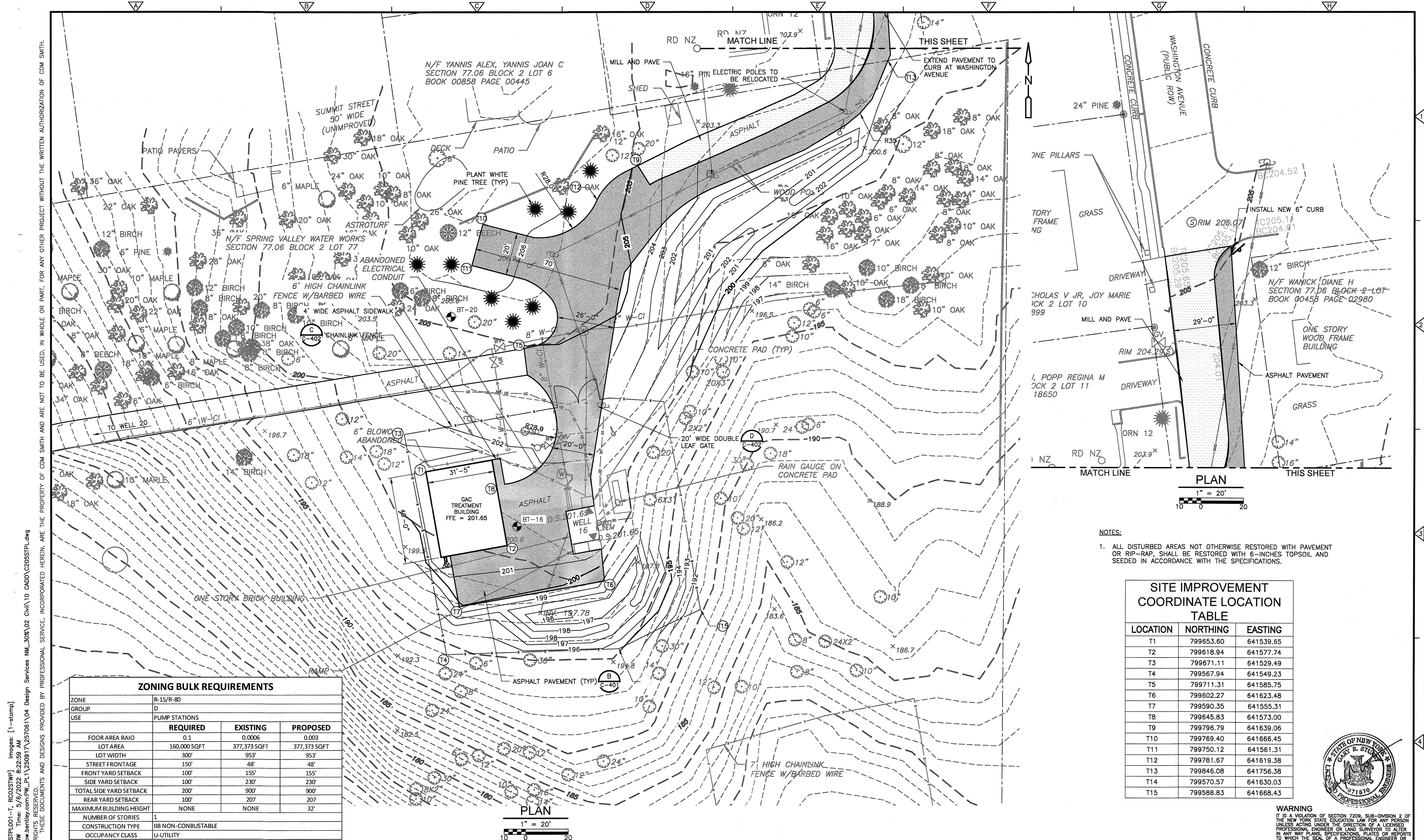
DESIGNED BY: D. ROSENTHAL
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 CROSS CHK'D BY: P. CABRAL
 APPROVED BY: G. STUART
 DATE: SEPTEMBER 2021

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SUEZ WATER NEW YORK
 WEST NYACK, NY
**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

**CIVIL
 GRADING AND DRAINAGE PLAN
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C204STPL.DWG
 SHEET NO.
C-204



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ZONING BULK REQUIREMENTS			
ZONE	R-15/R-80		
GROUP	D		
USE	PUMP STATIONS		
	REQUIRED	EXISTING	PROPOSED
FOOR AREA RATIO	0.1	0.0006	0.0003
LOT AREA	160,000 SQFT	377,373 SQFT	377,373 SQFT
LOT WIDTH	300'	953'	953'
STREET FRONTAGE	150'	48'	48'
FRONT YARD SETBACK	100'	155'	155'
SIDE YARD SETBACK	100'	230'	230'
TOTAL SIDE YARD SETBACK	200'	900'	900'
REAR YARD SETBACK	100'	207'	207'
MAXIMUM BUILDING HEIGHT	NONE	NONE	32'
NUMBER OF STORIES	1		
CONSTRUCTION TYPE	IIB NON-COMBUSTIBLE		
OCCUPANCY CLASS	U-UTILITY		

SITE IMPROVEMENT COORDINATE LOCATION TABLE		
LOCATION	NORTHING	EASTING
T1	799653.60	641539.65
T2	799618.94	641577.74
T3	799671.11	641529.49
T4	799567.94	641549.23
T5	799711.31	641585.75
T6	799602.27	641623.48
T7	799590.35	641555.31
T8	799645.83	641573.00
T9	799796.79	641639.06
T10	799769.40	641666.45
T11	799750.12	641561.31
T12	799781.67	641619.38
T13	799846.08	641756.38
T14	799570.57	641630.03
T15	799588.83	641668.43

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 APPROVED BY: G. STUART
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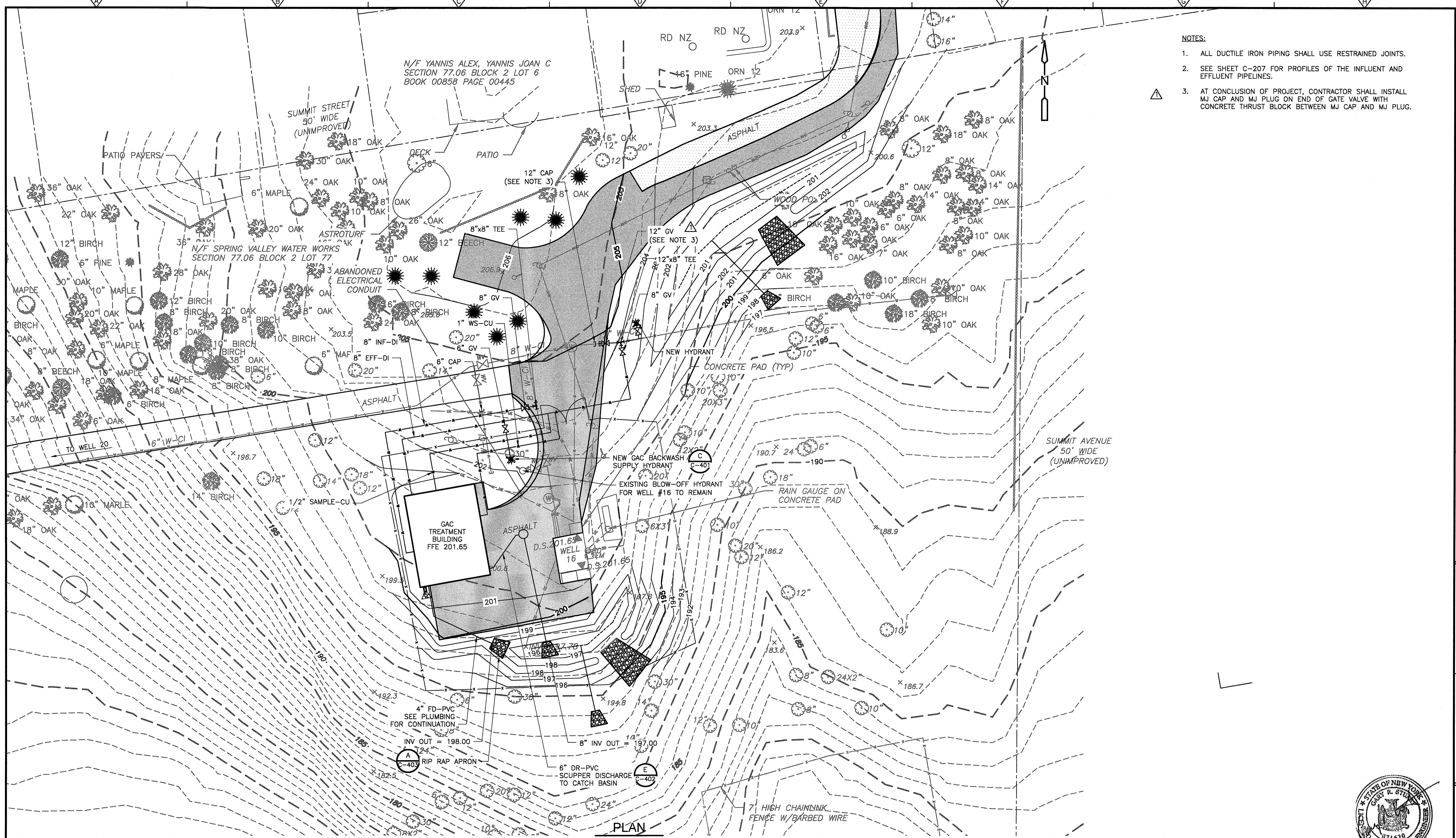
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 WEST NYACK, NY
**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

**CIVIL
 SITE IMPROVEMENT PLAN
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C205STPL.DWG
 SHEET NO.
C-205

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- NOTES:**
1. ALL DUCTILE IRON PIPING SHALL USE RESTRAINED JOINTS.
 2. SEE SHEET C-207 FOR PROFILES OF THE INFLUENT AND EFFLUENT PIPELINES.
 3. AT CONCLUSION OF PROJECT, CONTRACTOR SHALL INSTALL MJ CAP AND MJ PLUG ON END OF GATE VALVE WITH CONCRETE THRUST BLOCK BETWEEN MJ CAP AND MJ PLUG.

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22	RWH	DAR	REVISED PER TOWN COMMENTS
2	3/22	RWH	DAR	REVISED ACCESS ROAD
1	12/21	RWH	GRC	UPDATED IN RESPONSE TO NYSDOH COMMENTS

DESIGNED BY: D. ROSENTHAL
 DRAWN BY: R. HAINES
 SHEET CHK'D BY: G. CAPOBIANCO
 CROSS CHK'D BY: P. CABRAL
 APPROVED BY: G. STUART
 DATE: SEPTEMBER 2021

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SUEZ WATER NEW YORK
 WEST NYACK, NY
**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

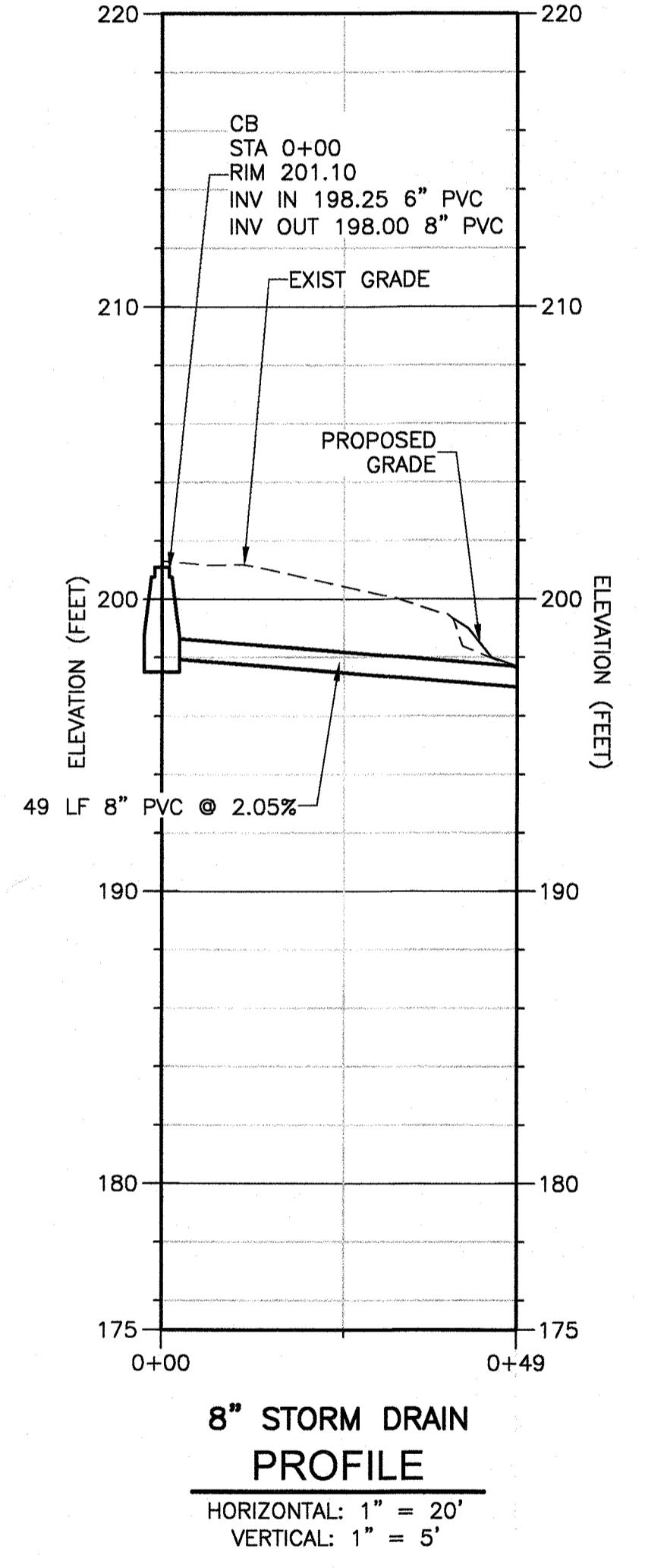
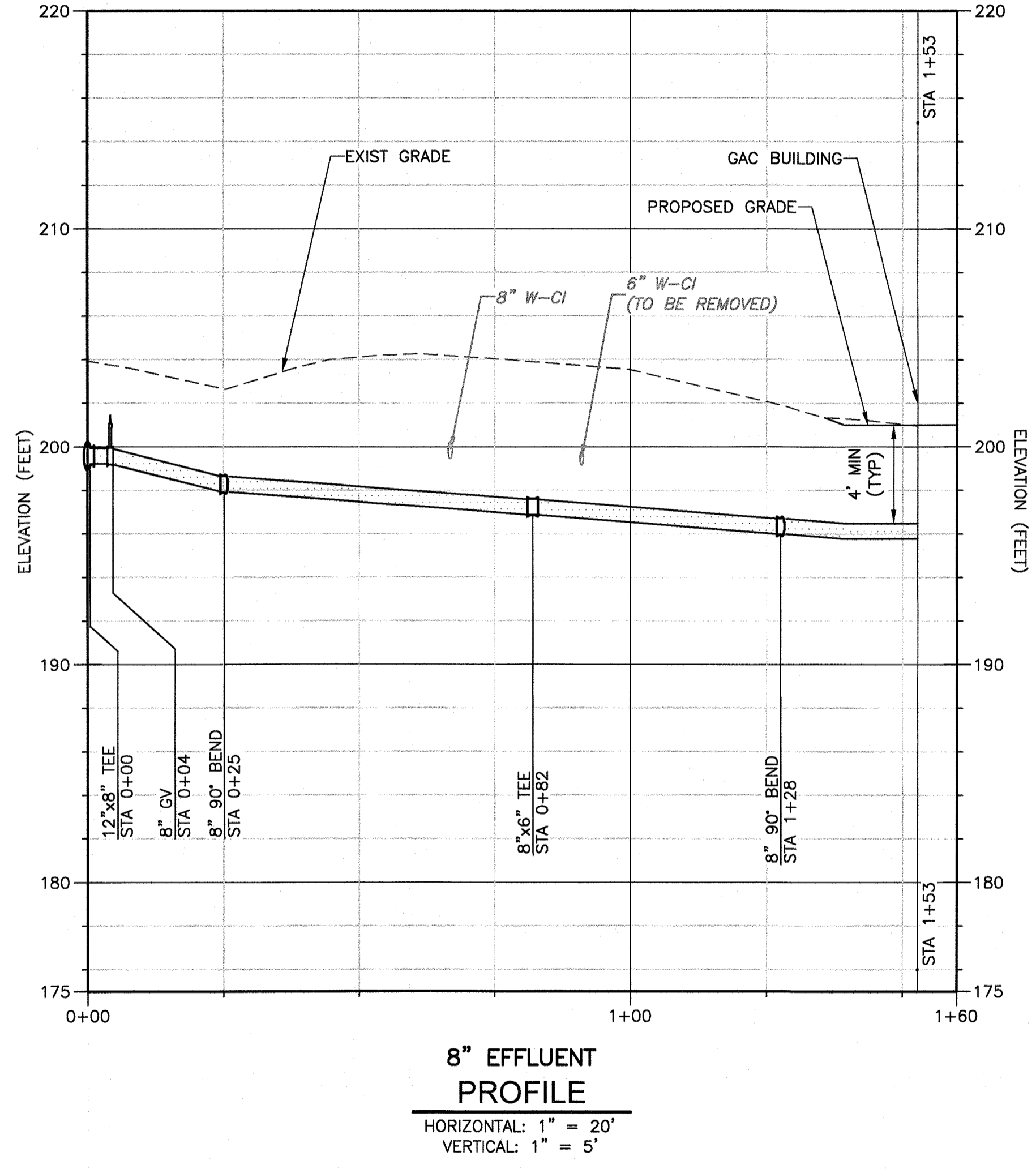
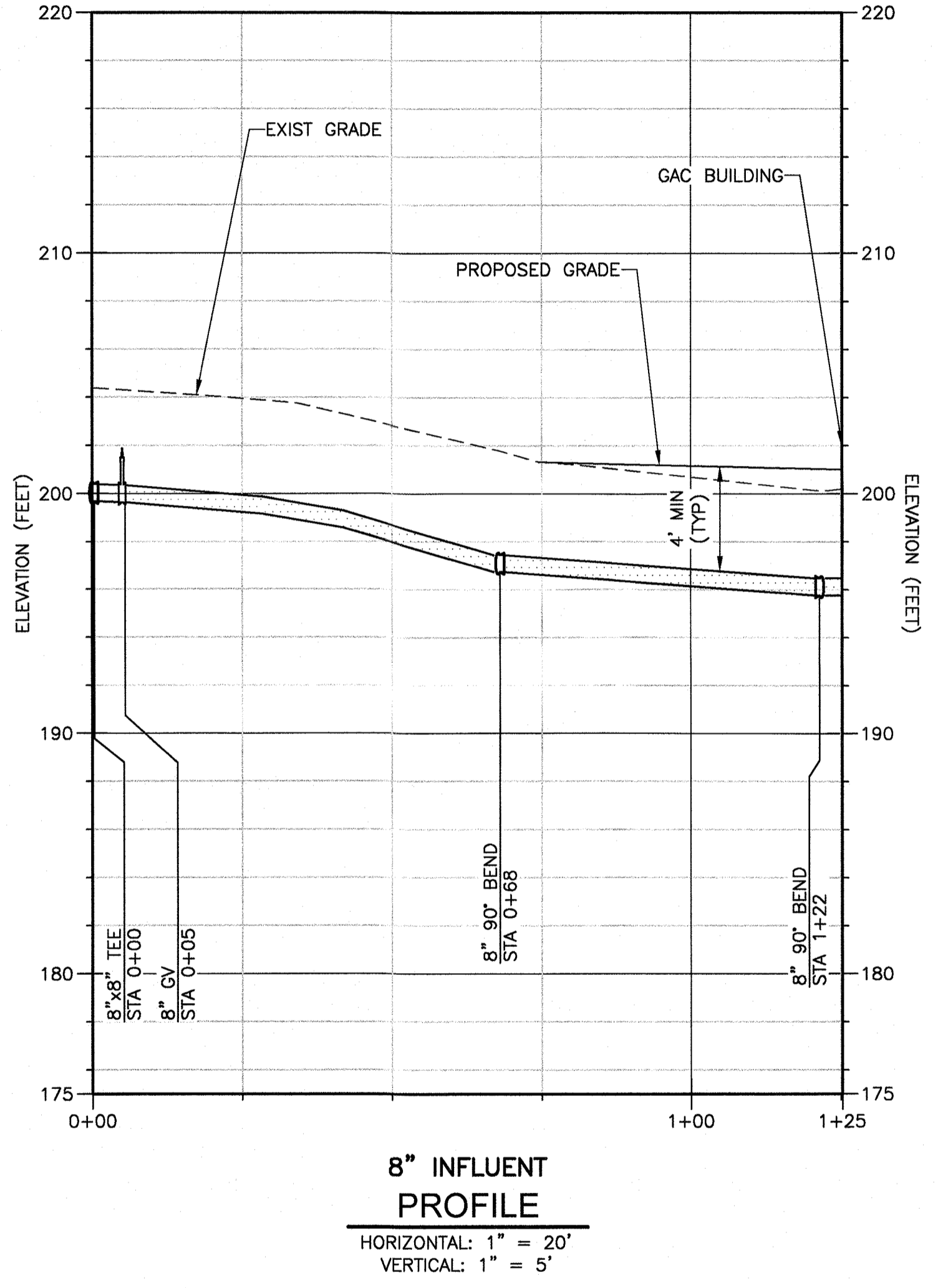
**CIVIL
 YARD PIPING PLAN
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C206STPL.DWG
 SHEET NO.
C-206



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 SHEET CHK'D BY: G. CAPOBIANCO
 CROSS CHK'D BY: P. CABRAL
 APPROVED BY: G. STUART
 DATE: JULY 2021

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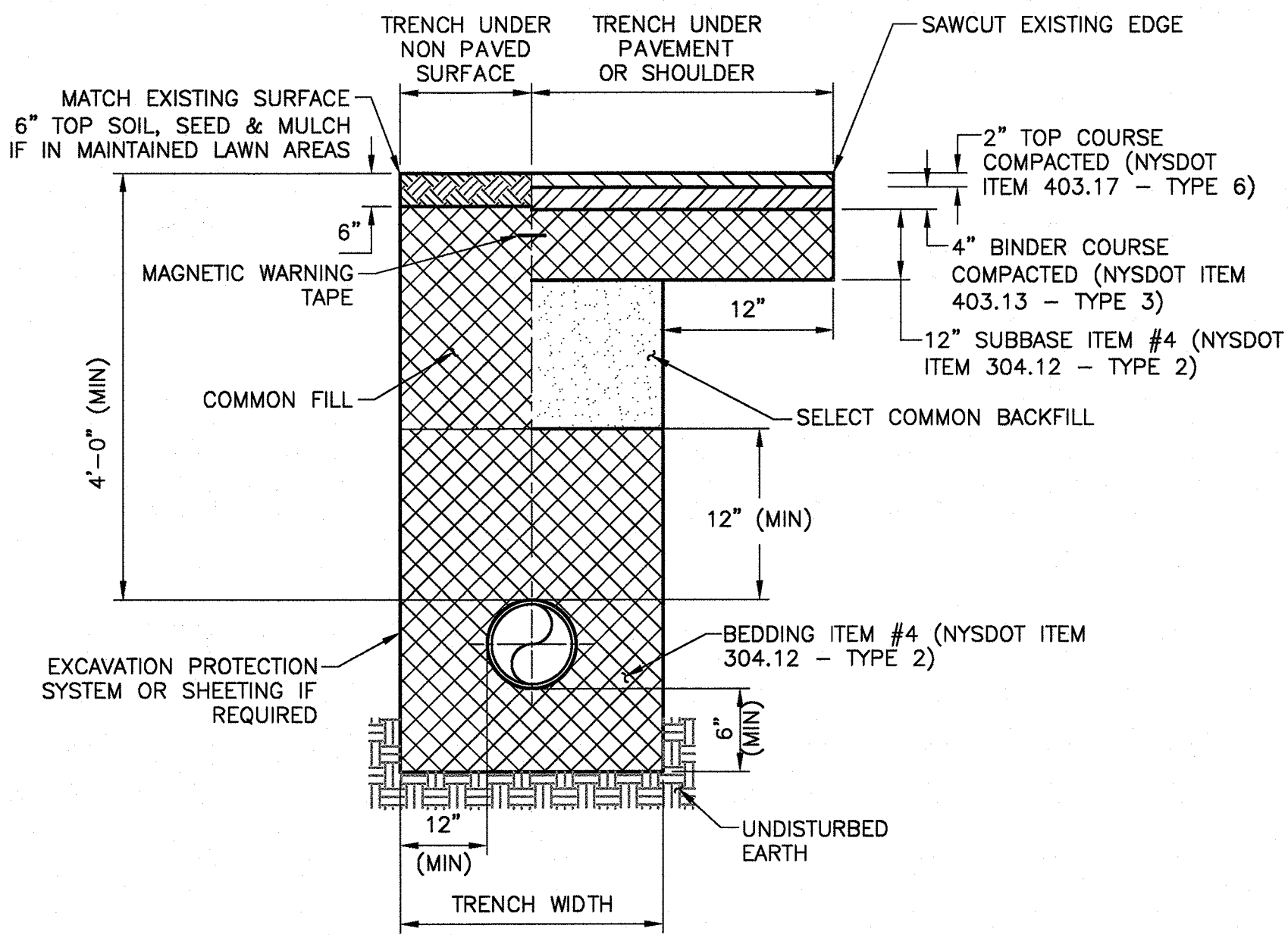
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**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

**CIVIL
 PIPING PROFILES
 TAPPAN**

PROJECT NO. 250917-257061
 FILE NAME: C207STPP.DWG
 SHEET NO.
C-207

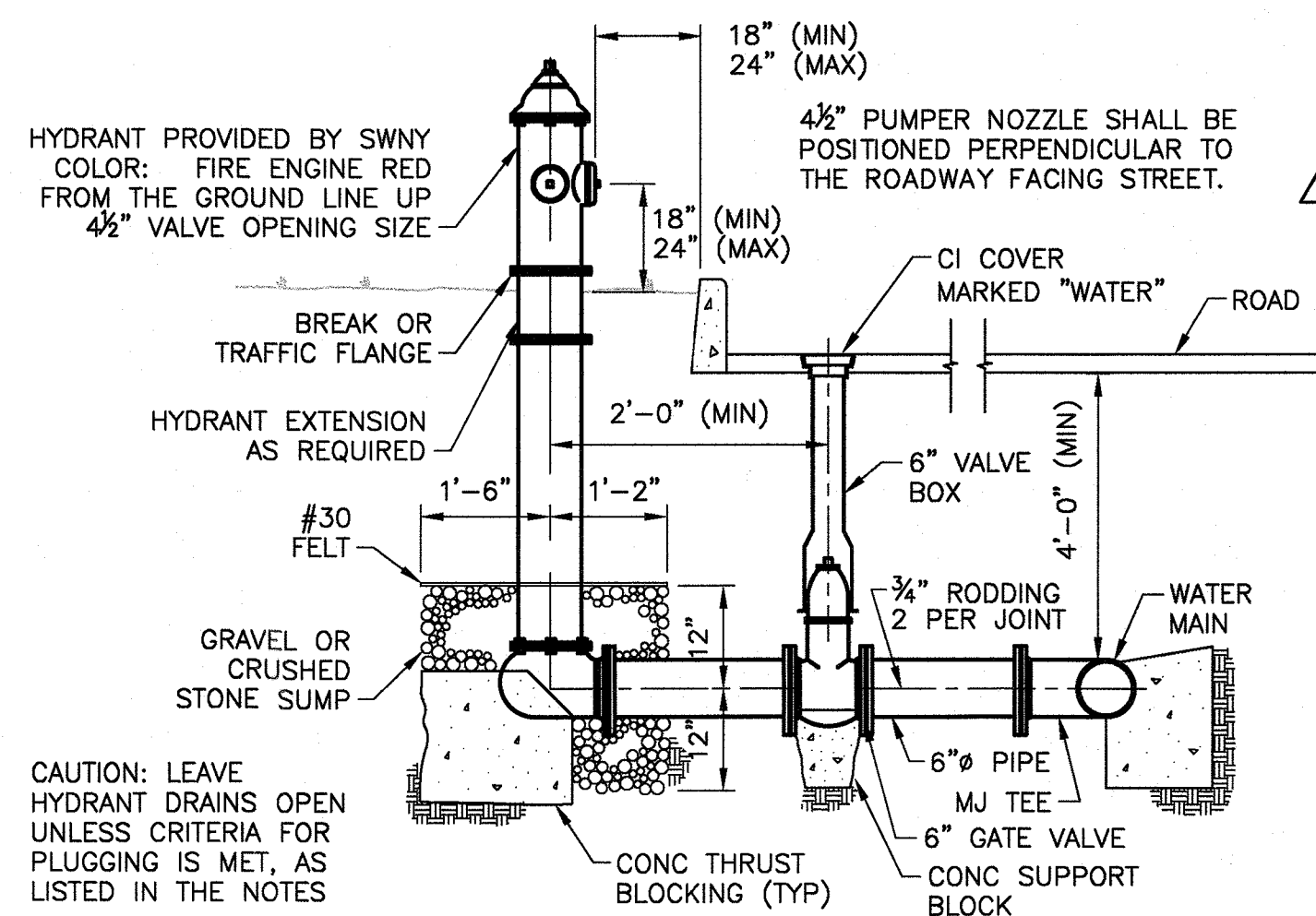
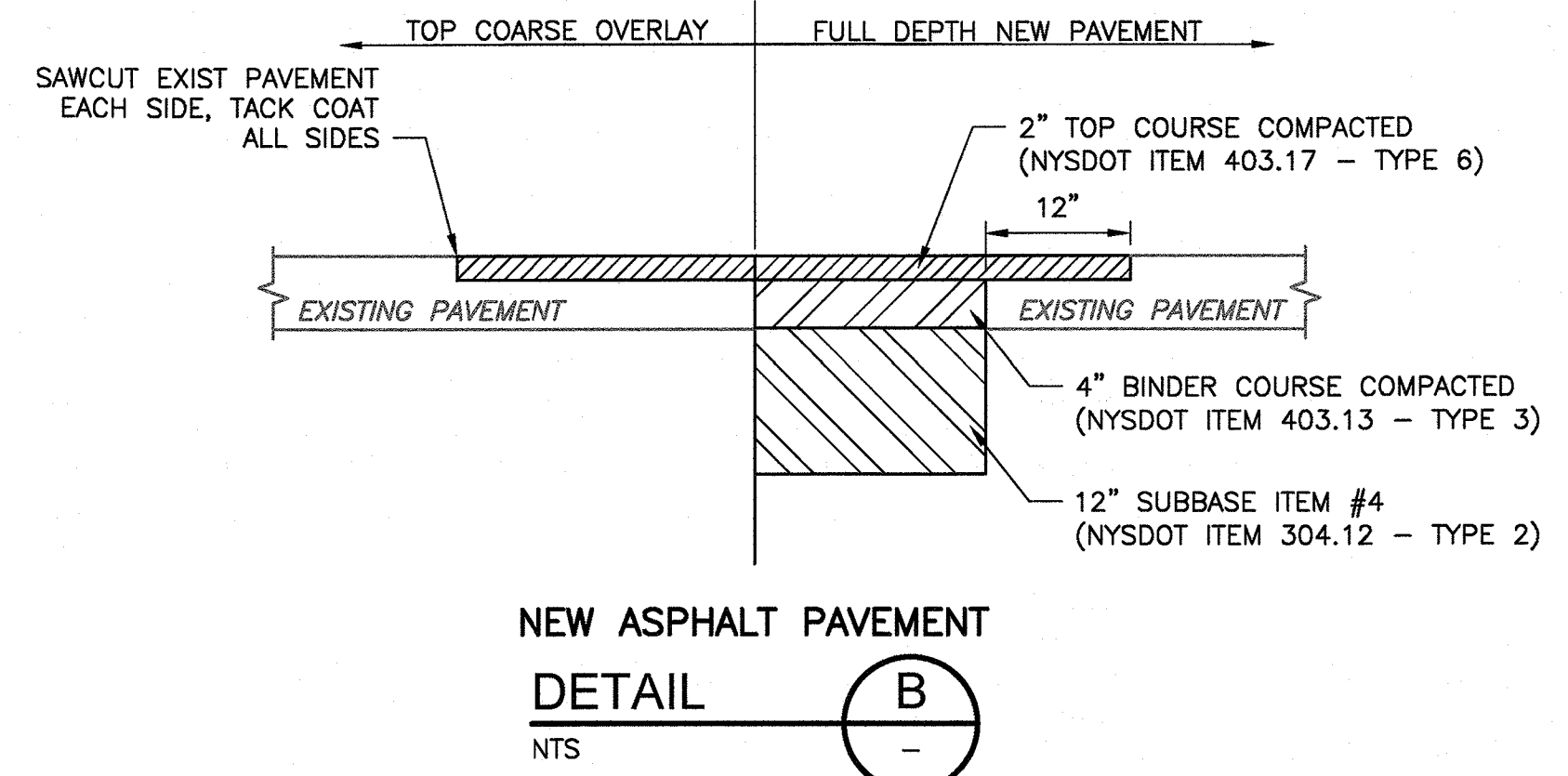
CIVIL DETAIL NOTES:

- ALL DUCTILE IRON WATER MAIN SHALL CONFORM TO THE LATEST REVISION OF AWWA SPECIFICATION C151/A21.51.
- THE INSTALLATION OF ALL DUCTILE IRON WATER MAIN SHALL CONFORM TO THE LATEST VERSION OF AWWA SPECIFICATION C600.
- ALL WATER MAIN FITTINGS SHALL MEET THE LATEST VERSION OF AWWA SPECIFICATION C153/A21.53.
- ALL WATER MAIN SHALL BE SUBJECTED TO MINIMUM HYDROSTATIC TEST OF 150 PERCENT OF THE WORKING PRESSURE IN THE PROJECT AREA FOR A PERIOD OF 2 HOURS AND IN ACCORDANCE WITH THE LATEST VERSION OF AWWA SPECIFICATION C600. THE PRESSURE TEST SHALL BE MADE IN THE PRESENCE OF A SUEZ WATER REPRESENTATIVE AND A REPRESENTATIVE OF THE ROCKLAND COUNTY DEPARTMENT OF HEALTH, 48 HOURS NOTICE SHALL BE GIVEN TO THE ROCKLAND COUNTY DEPARTMENT OF HEALTH SO ARRANGEMENTS CAN BE MADE FOR THE REPRESENTATIVE TO WITNESS THE TEST.
- ALL WATER MAIN SHALL BE DISINFECTED AND SHALL CONFORM TO THE LATEST VERSION OF AWWA C-651, EXCEPT THAT C-651: SECTION 4.4.2; THE TABLET METHOD SHALL NOT BE UTILIZED, DISINFECTION WILL BE ACCOMPLISHED BY MEANS OF A POSITIVE DISPLACEMENT HYPOCHLORITE PUMP OR A GAS CHLORINATOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING 2" CORPORATION VALVES AS FOLLOWS:
 - AT A LOCATION LESS THAN 10 FEET FROM THE BEGINNING OF THE NEW MAIN FOR DISINFECTION PURPOSES, AND
 - AS REQUIRED FOR PROPER DISINFECTION AND PRESSURE TESTING BASED UPON SUEZ WATER NEW YORK AND ROCKLAND COUNTY DEPARTMENT OF HEALTH REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF BRASS WEDGES AT EACH JOINT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR THE DURATION OF THE PROJECT: FLAGMEN, BARRICADES, SIGNS, ETC., FOR THE SAFE AND SMOOTH PASSAGE OF TRAFFIC IN THE PROJECT AREA.
- IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE EXISTENCE OF ALL ABOVE GROUND AND UNDERGROUND UTILITIES IN THE PROJECT AREA.
- SUEZ WATER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE ROCKLAND COUNTY DEPARTMENT OF HEALTH, UNLESS OTHERWISE SPECIFIED.
- NO POTENTIALLY SUBSTANTIAL LARGE (15 FEET TALL OR 6 IN DIAMETER) TREES SHALL BE PLANTED WITHIN FIFTEEN (15) FEET OF ANY WATER MAIN OR FIRE HYDRANT AND NO ORNAMENTAL TREES SHALL BE PLANTED WITHIN TEN (10) FEET OF ANY WATER MAIN OR FIRE HYDRANT.
- THE CONTRACTOR SHALL NOT PLACE ANY JOINTS WITHIN 10' OF ANY STORM OR SANITARY SEWER CROSSINGS.



TRENCH (TOWN ROAD) NOTES:

- TRIM LOOSE EDGES OF PAVEMENT BETWEEN COURSES. BROOM AND TACK COAT ALL EDGES WITH EMULSIFIER.
- WHERE CONCRETE BASE COURSE IS IDENTIFIED, IT WILL BE REPLACED WITH CLASS A CONCRETE (3,000 PSI AT 28 DAYS) TO ITS ORIGINAL DEPTH.
- STEEL PLATES MUST BE MAINTAINED AT ALL TIMES OVER THE TRENCHES UNTIL BACKFILL HAS BEEN COMPLETED; INCLUDING WHEN THE EXCAVATION IS MADE FOR THE CONCRETE PLUG.
- PAY LIMITS FOR PAVEMENT RESTORATION ARE FROM CURB TO CURB.
- ALL EXPOSED EDGES, SUCH AS DRIVEWAYS INTERSECTIONS, ETC. SHALL BE TACK COATED WITH RC-250 TO EXISTING ASPHALT.



NOTES:

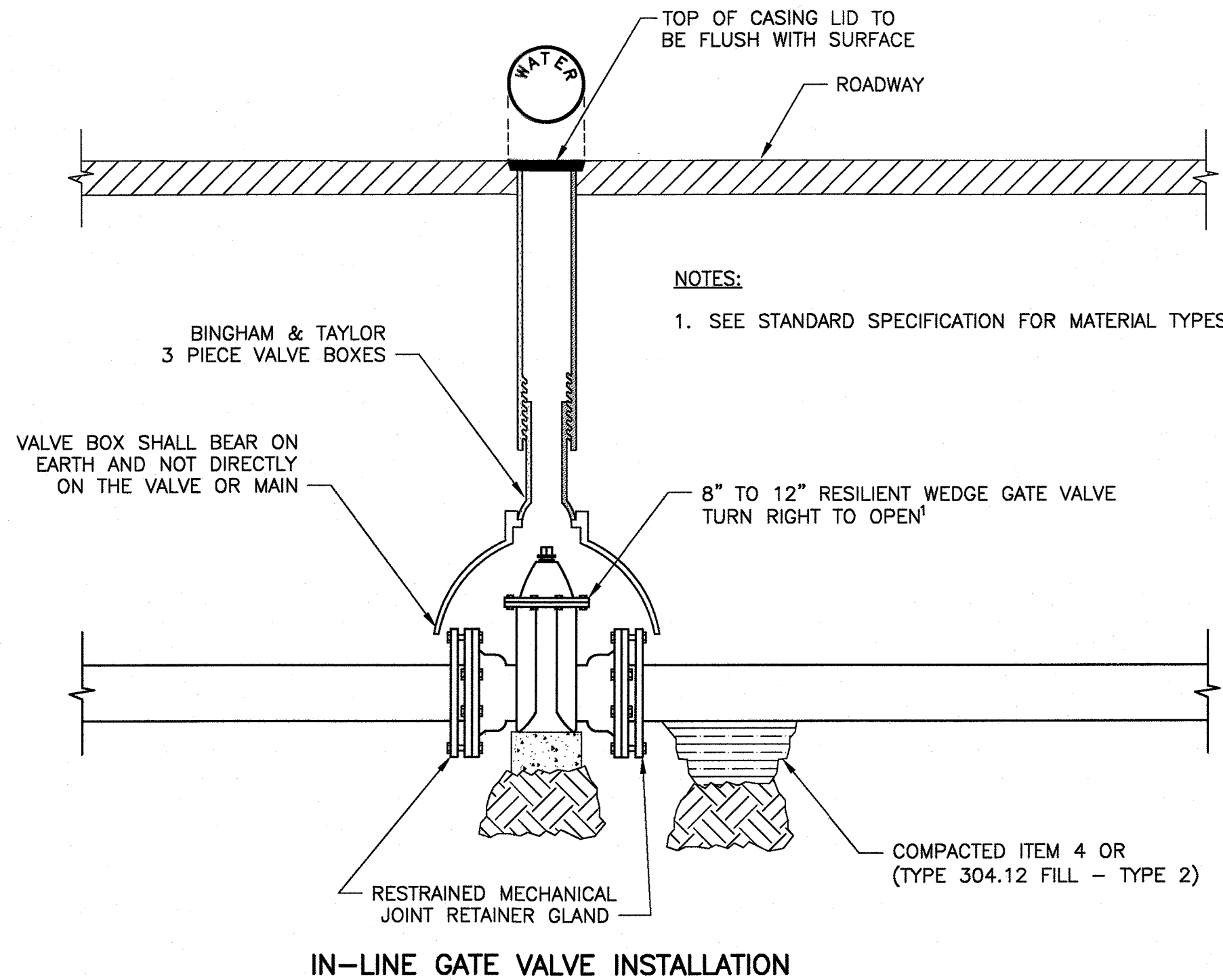
- IF GROUND WATER IS FOUND TO BE WITHIN 7FT OF THE GROUND SURFACE, THEN:
 - HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER.
 - WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE.
 - HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR LOCATED WITHIN 10 FEET OF SANITARY SEWERS, OR STORM DRAINS
- HYDRANTS SHALL OPEN CLOCKWISE (RIGHT) AND GATE VALVES SHALL OPEN RIGHT. HYDRANTS AND GATE VALVES SHALL HAVE DIRECTIONAL ARROWS WITH "OPEN" TO INDICATE WHICH DIRECTION TO TURN THE NUT TO OPEN.
- HYDRANT SHALL BE VERTICALLY SET WITH STEAMER CONNECTION FACING THE ROADWAY.

TRENCH (TOWN ROAD) DETAIL A

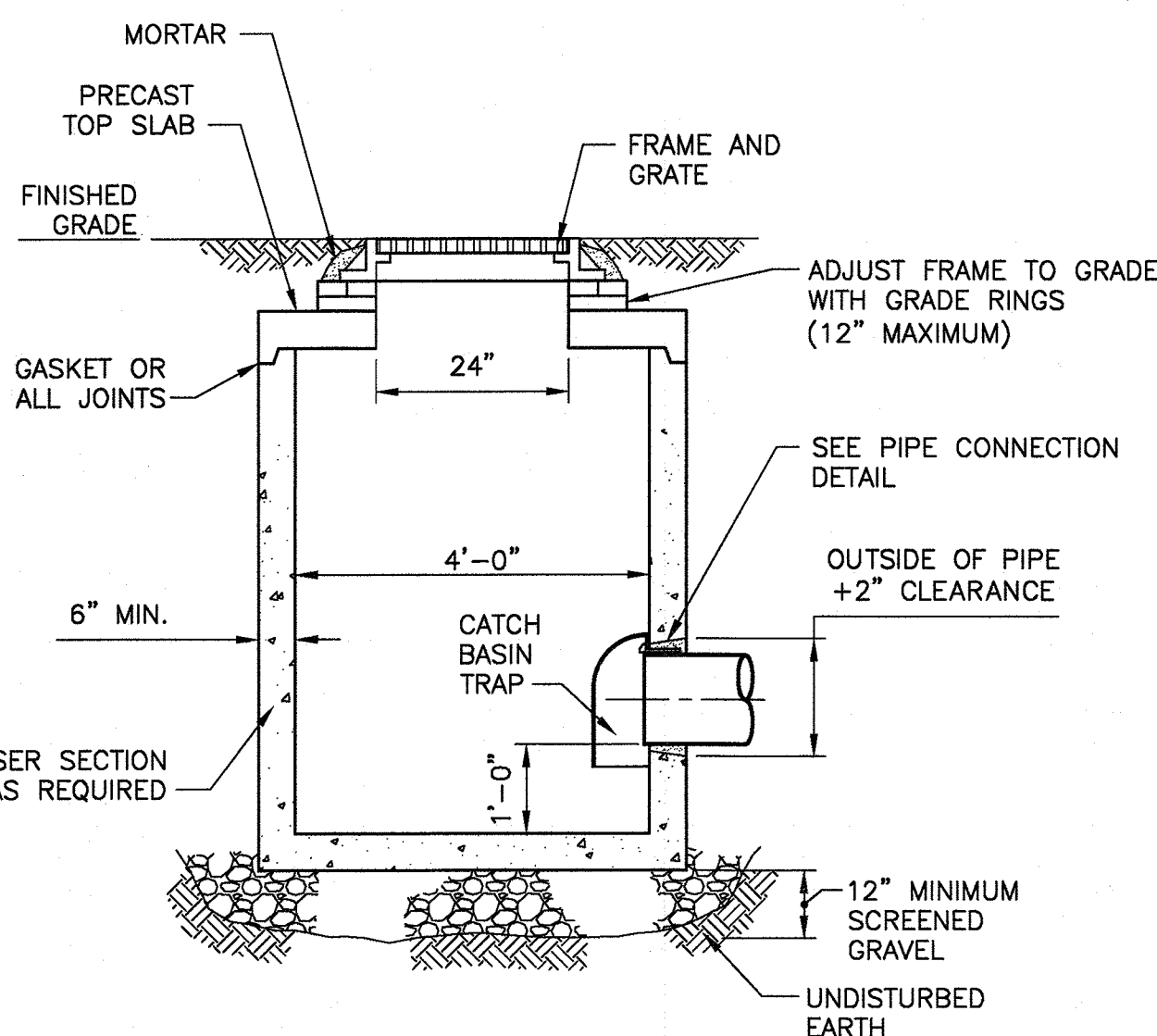
NTS

GATE VALVE, VALVE BOX AND FIRE HYDRANT DETAIL C

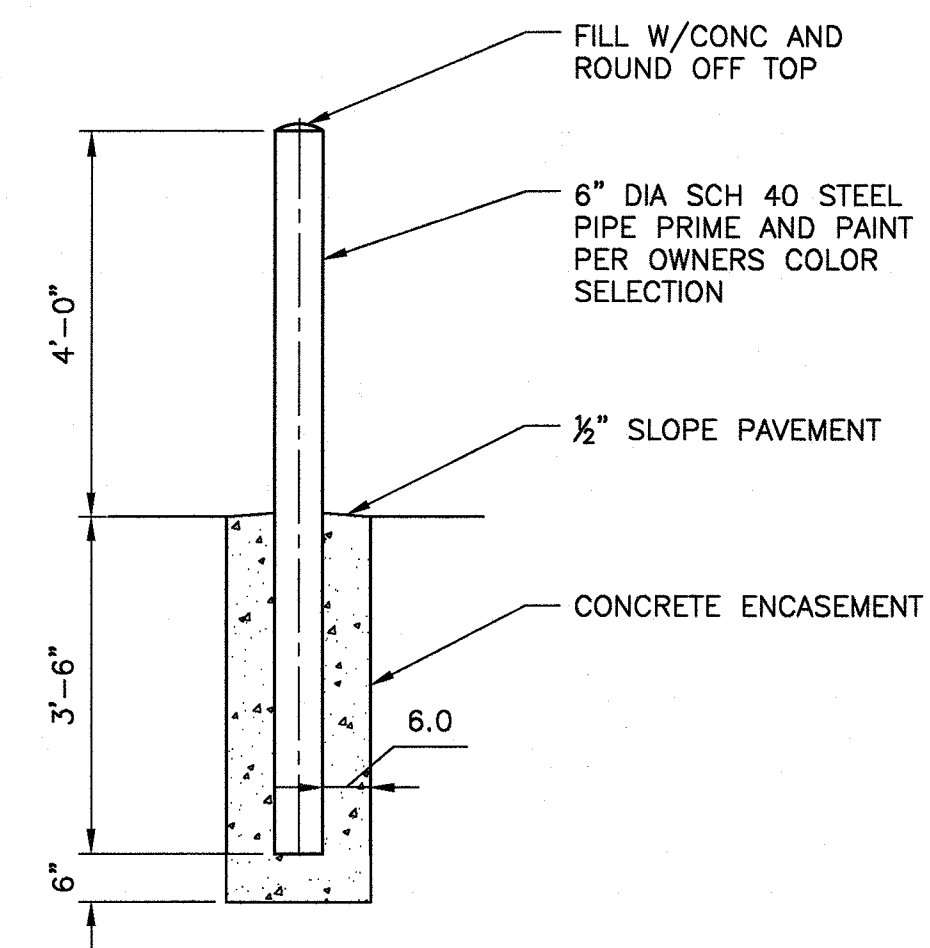
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IN-LINE GATE VALVE INSTALLATION DETAIL D
NTS



PRECAST CATCH BASIN DETAIL E
NTS



BOLLARD POST DETAIL G
1/2" = 1'-0"

- NOTES:**
- SEE STANDARD SPECIFICATION FOR MATERIAL TYPES

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1	12/21	RWH	GRC	REVISED IN RESPONSE TO NYSDOH COMMENTS

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DRAWN BY:	R. HAINES
SHEET CHK'D BY:	D. ROSENTHAL
CROSS CHK'D BY:	P. CABRAL
APPROVED BY:	G. STUART
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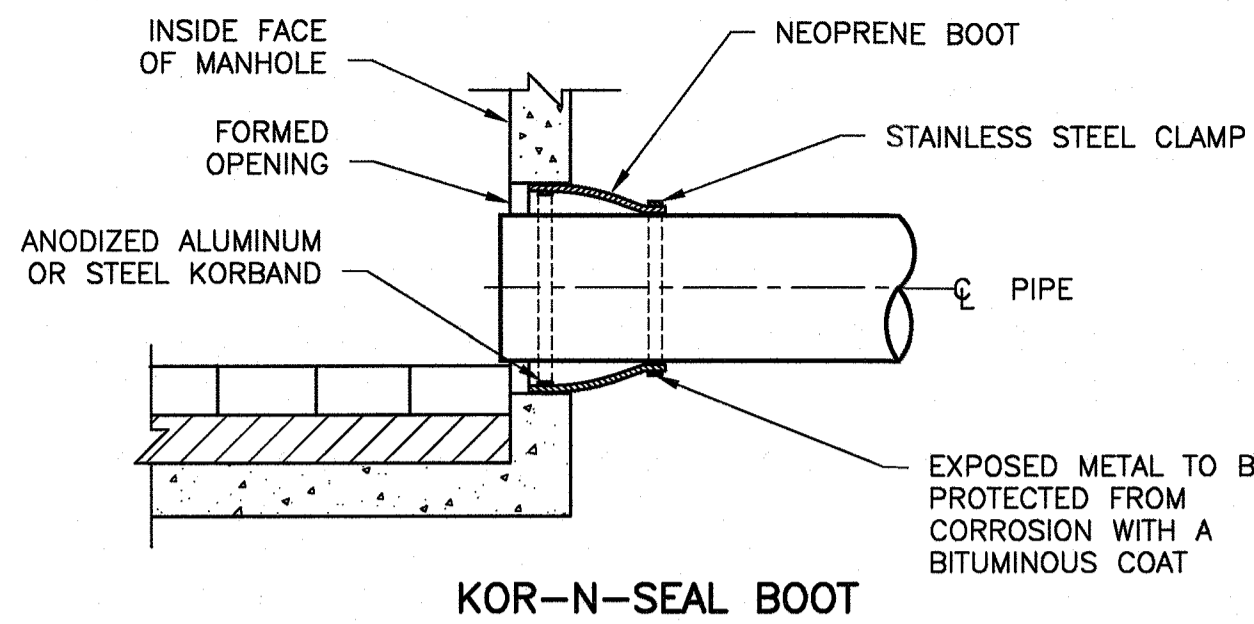
SUEZ WATER NEW YORK
 WEST NYACK, NY
PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B
 CONTRACT NO. 15806

CIVIL MISCELLANEOUS SITE DETAILS I
C-401

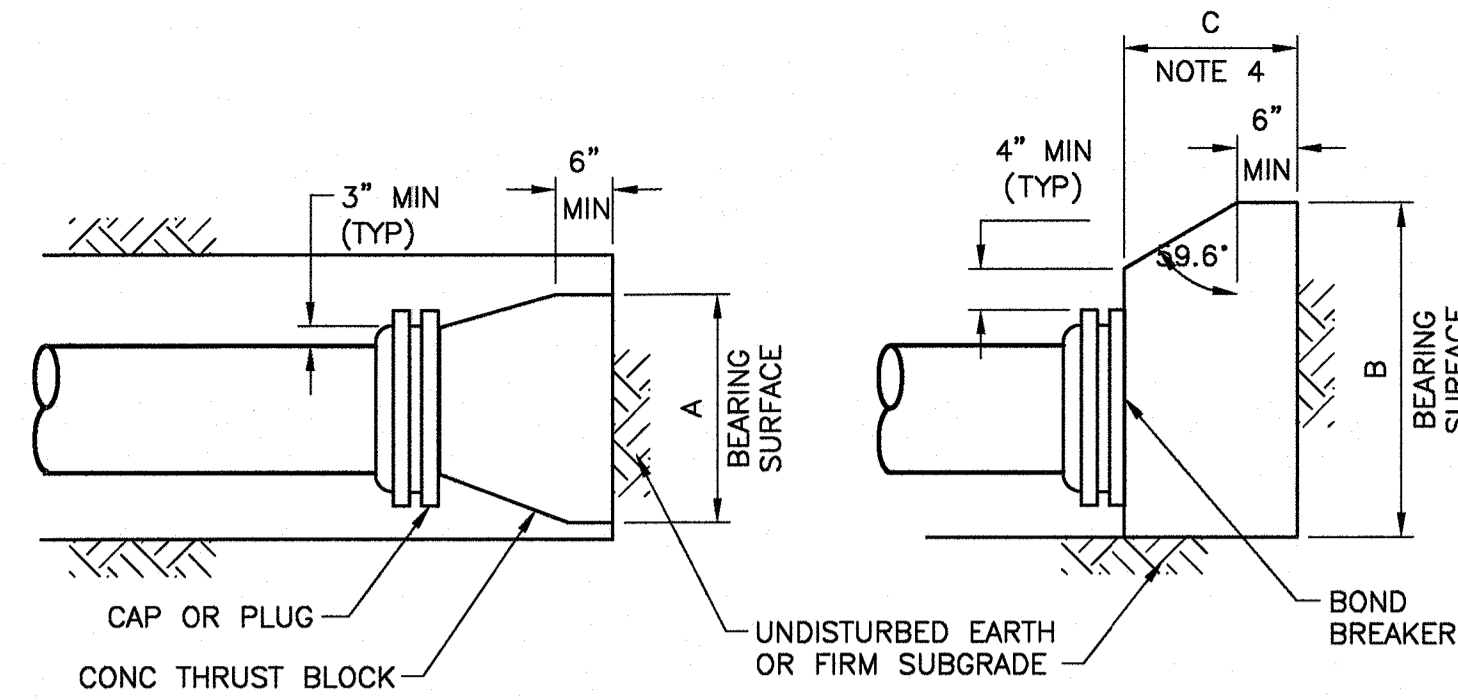
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SHEET NO.	C-401



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KOR-N-SEAL BOOT



PLAN
ELEVATION
DETAIL FOR CAPS OR PLUGS

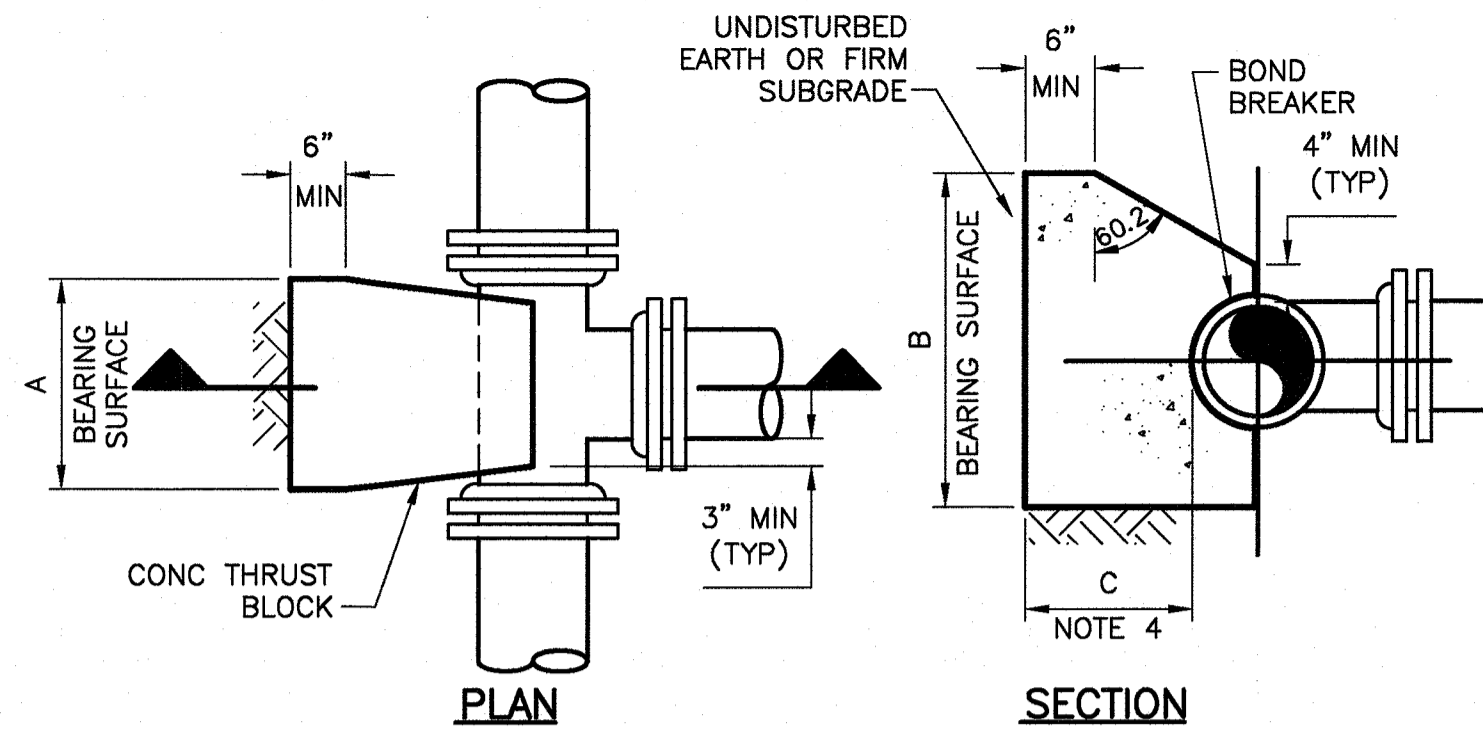
NOMINAL CAP PIPE SIZE (IN)	MAXIMUM PIPE OD (IN)	REQUIRED BEARING AREA (SQ FT)
6	6.90	4

THRUST BLOCK FOR TEES, CAPS AND PLUGS NOTES:

1. MAXIMUM TEST PRESSURE = 1.50 x 150 PSI
2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
3. BEARING AREA = A x B
4. C SHALL BE GREATER THAN A/2 AND B/2.
5. WHEN POSSIBLE JOINTS TO BE TIED WITH 3 - 3/4" RODS TO RESTRAINER ON STRAIGHT PIPE IN LIEU OF THRUST BLOCKING.

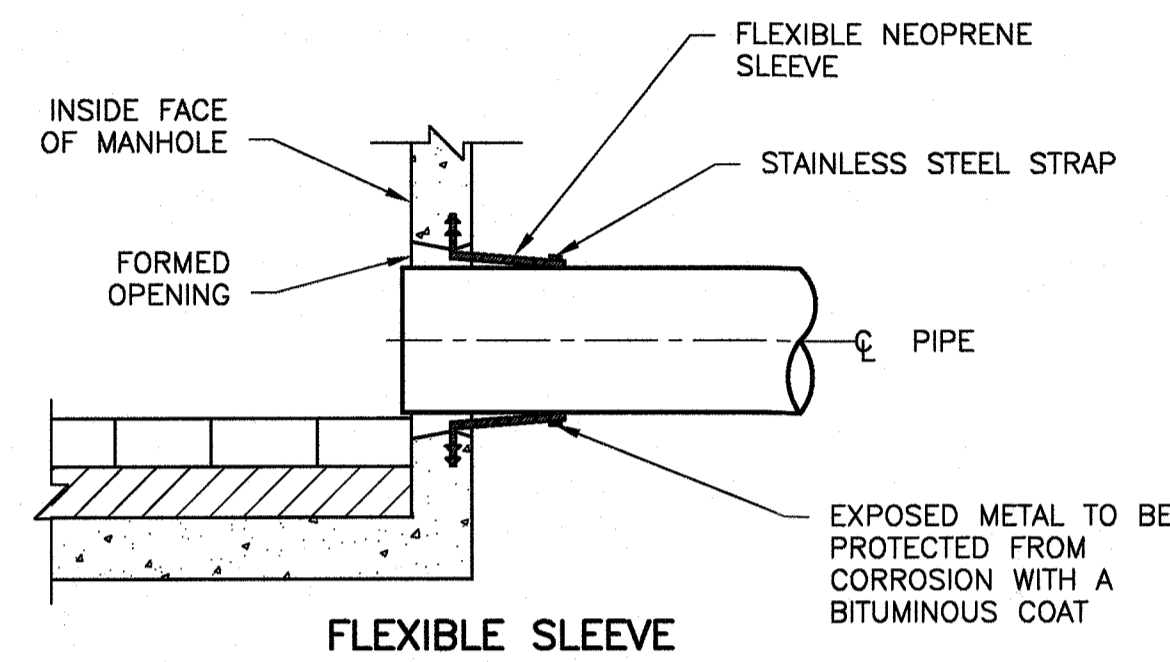
THRUST BLOCK FOR TEES, CAPS AND PLUGS

DETAIL B
NTS



PLAN
SECTION
DETAIL FOR TEES

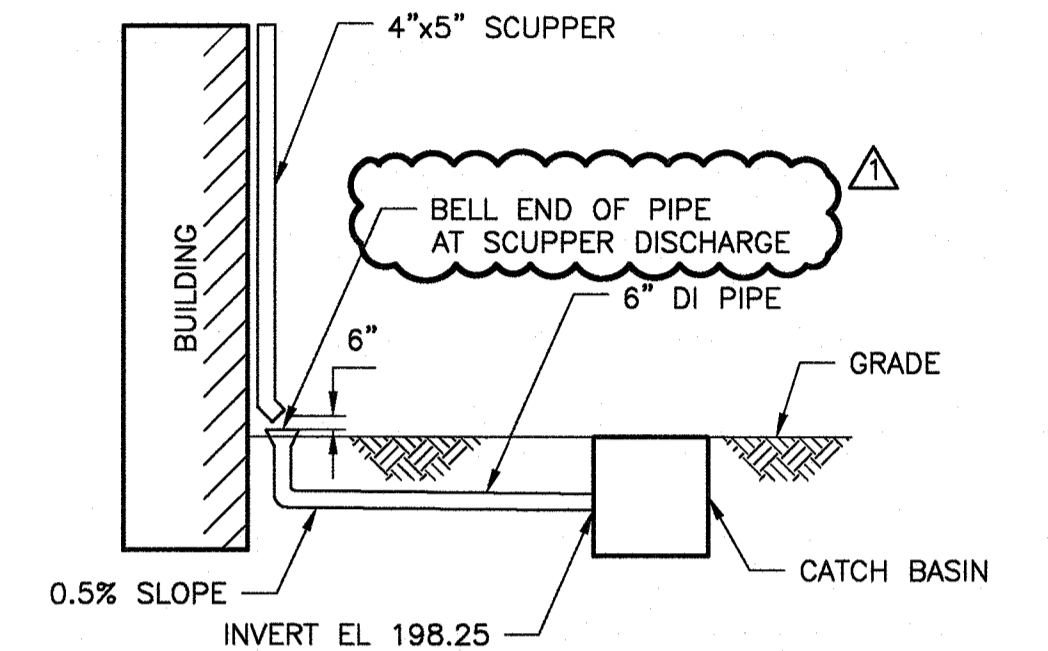
SIZE OF TEE	REQUIRED BEARING AREA (SQ FT)
6"x6"	4.20
12"x6"	4.20



FLEXIBLE SLEEVE

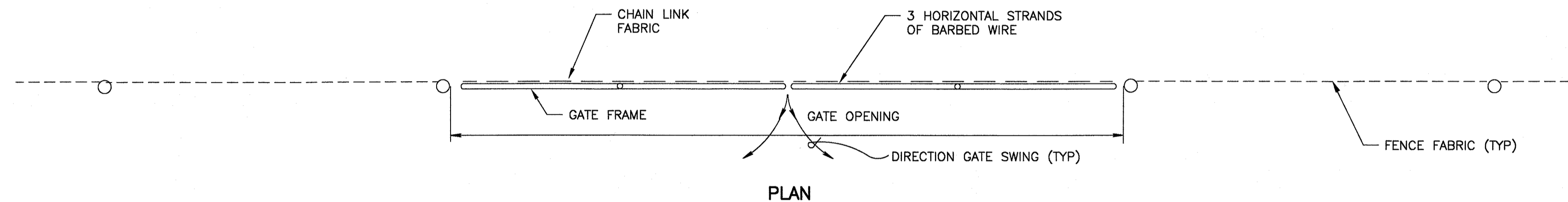
PIPE CONNECTIONS

DETAIL A
NTS

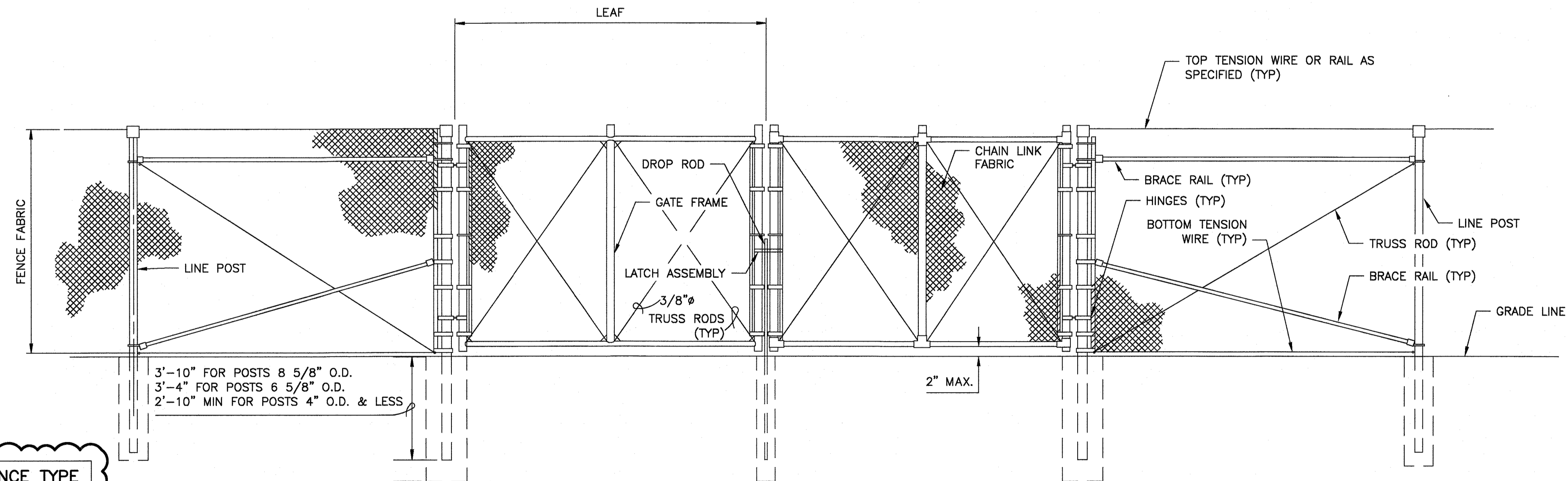


SCUPPER DISCHARGE TO CATCH BASIN

DETAIL E
NTS



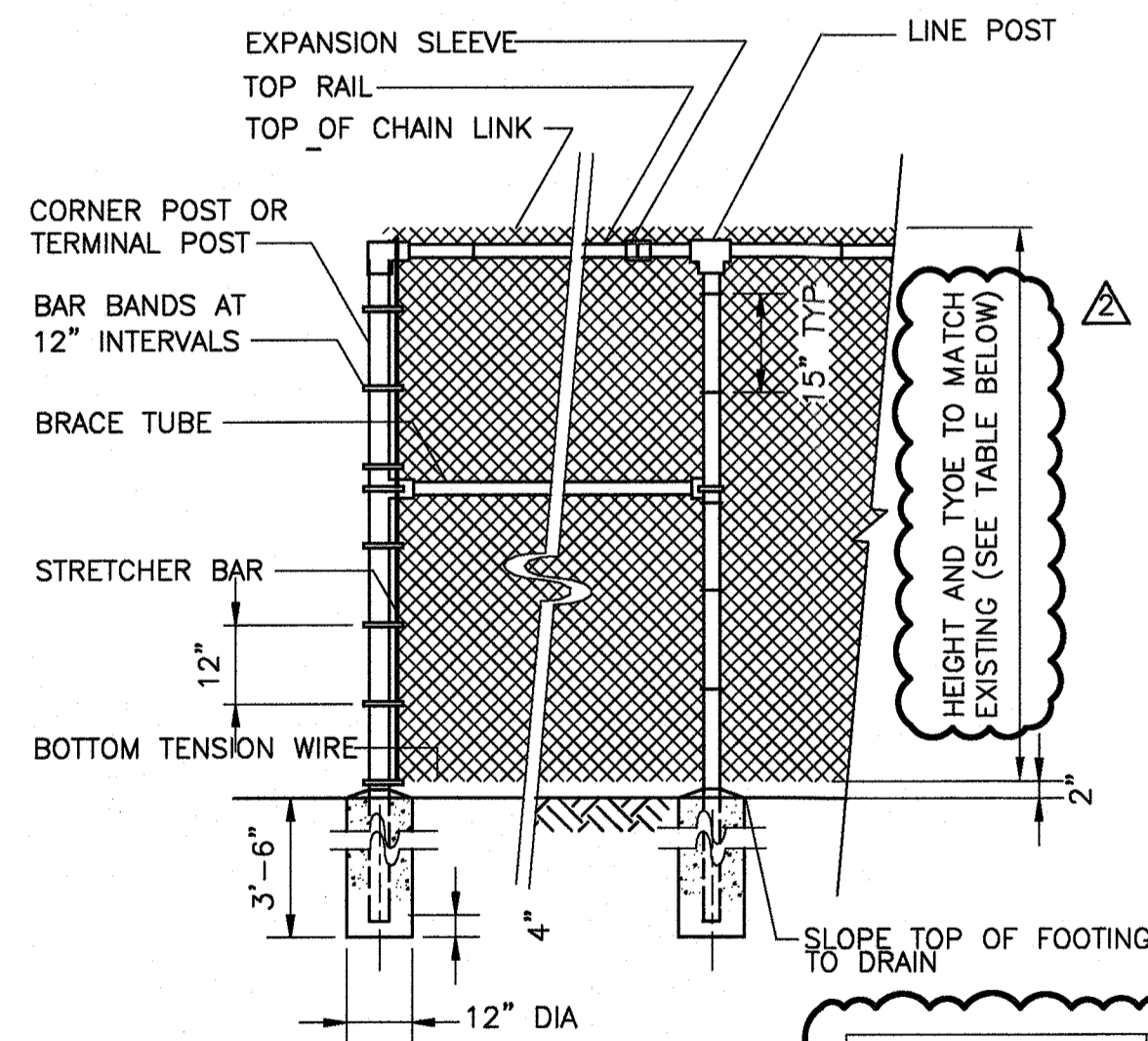
PLAN



ELEVATION

CHAIN LINK FENCE VEHICLE GATE

DETAIL D
NTS



CHAIN LINK FENCE

DETAIL C
NTS

SITE	EXST. FENCE TYPE
NEW HEMPSTEAD	6FT W/ BARB WIRE
TAPPAN	6FT W/ BARB WIRE
VIOLA	6FT



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REV. NO.	DATE	DRWN	CHKD	REMARKS
2	12/21	RWH	GRC	UPDATED IN RESPONSE TO NYSDOH COMMENTS
1	11/21	RWH	GRC	UPDATED IN RESPONSE TO 90 PERCENT REVIEW COMMENTS

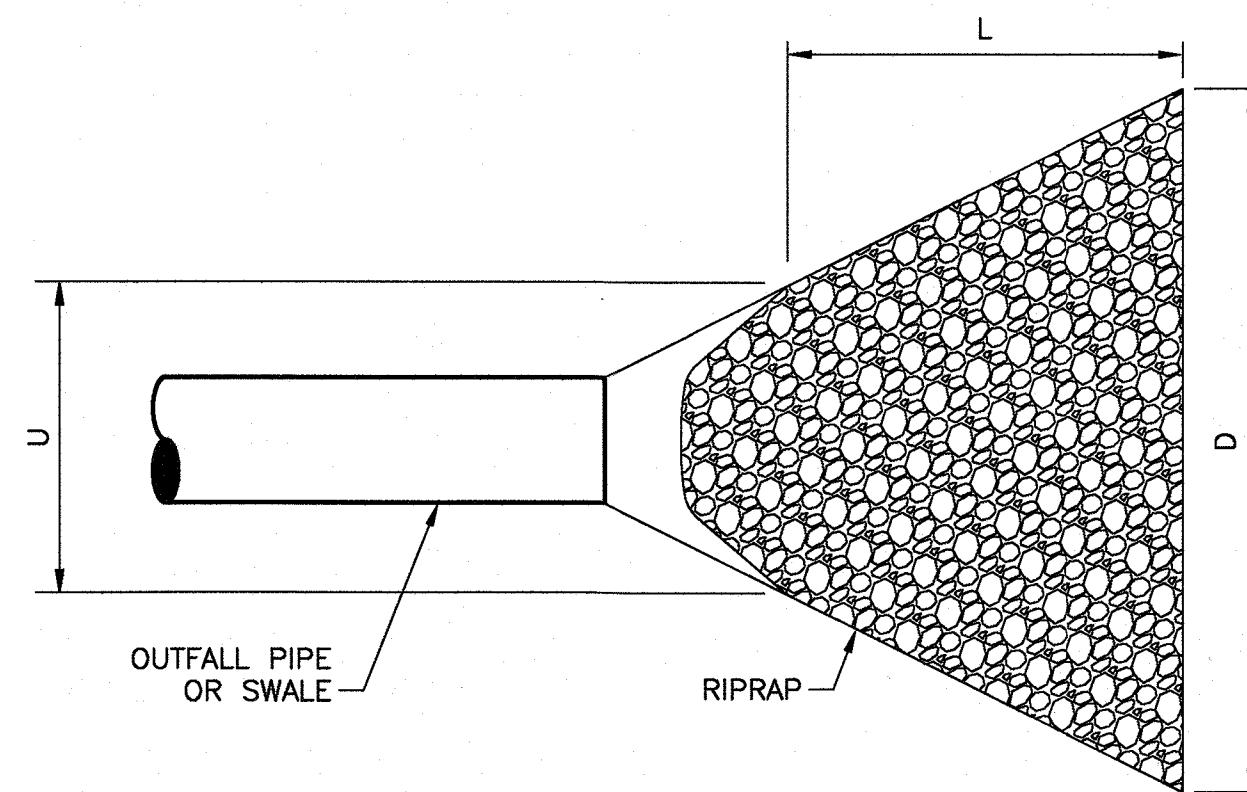
DESIGNED BY: D. ROSENTHAL
 DRAWN BY: R. HAINES
 SHEET CHK'D BY: D. ROSENTHAL
 CROSS CHK'D BY: P. CABRAL
 APPROVED BY: G. STUART
 DATE: SEPTEMBER 2021

CDM Smith
 Camp Dresser McKee & Smith
 11 British American Boulevard, Airport Park, Suite 200
 Latham, NY 12110
 Tel: (516) 782-4500

SUEZ WATER NEW YORK
 WEST NYACK, NY
**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

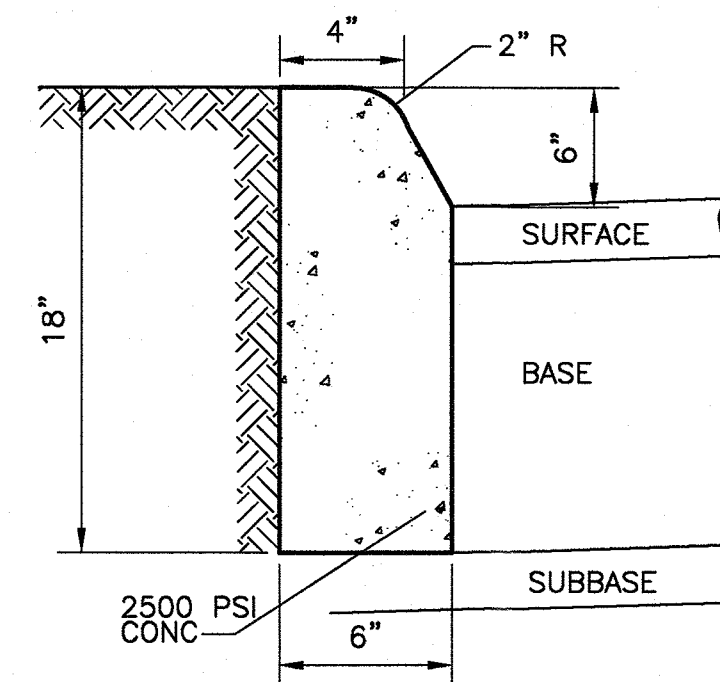
**CIVIL
 MISCELLANEOUS SITE DETAILS II**

PROJECT NO. 250917-257061
 FILE NAME: C402STD.DWG
 SHEET NO.
C-402

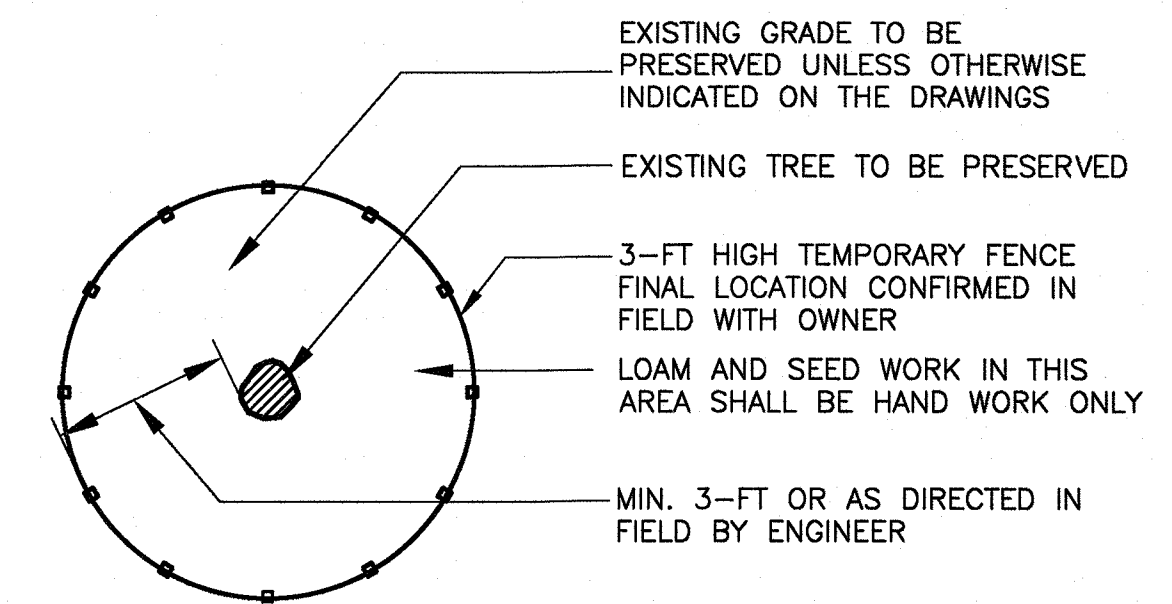


NOTE: PLACE FILTER FABRIC UNDER RIPRAP

OUTFALL NO.	LENGTH L = (FT)	DEPTH (IN)	UPSTREAM WIDTH = (FT) U	DOWNSTREAM WIDTH (FT) D =	d ₅₀ (IN)	d _{max} (IN)
NEW HEMPSTEAD	4	6	1.5	4.5	3	4
TAPPAN CATCHBASIN	6	6	1.5	6.5	3	4
VIOLA	4	6	1.5	4.5	3	4
FLOOR DRAINS (ALL SITES)	2	6	1.0	2.0	3	4
BACKWASH DISCHARGES (NEW HEMPSTEAD AND TAPPAN)	4	6	1.5	4.5	3	4
TAPPAN RG UNDERDRAINS	4	6	1.0	4.5	3	4



STANDARD CURB
DETAIL B
NTS



- NOTES:
- FENCING SHALL BE INSTALLED AROUND PERIMETER OF EXISTING TREE TO BE PROTECTED AS SHOWN ON PLANS.
 - FENCING SHALL REMAIN IN PLACE AND BE MAINTAINED THROUGHOUT CONSTRUCTION AND THEN REMOVED COMPLETELY AS DIRECTED BY OWNER TO COMPLETE LOAMING AND SEEDING ACTIVITIES.

TREE PROTECTION
DETAIL C
NTS

RIPRAP APRON
DETAIL A
NTS

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REV. NO.	DATE	DRWN	CHKD	REMARKS
2	5/22	RWH	DAR	REVISED PER TOWN COMMENTS
1	12/21	RWH	GRC	UPDATED IN RESPONSE TO NYSDOH COMMENTS

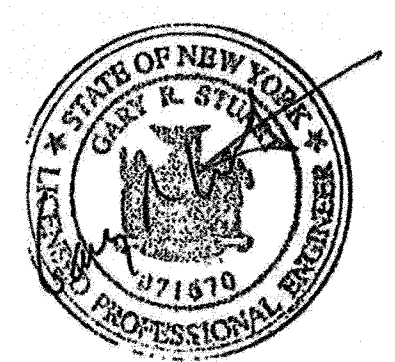
DESIGNED BY: D. ROSENTHAL
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 DATE: SEPTEMBER 2021

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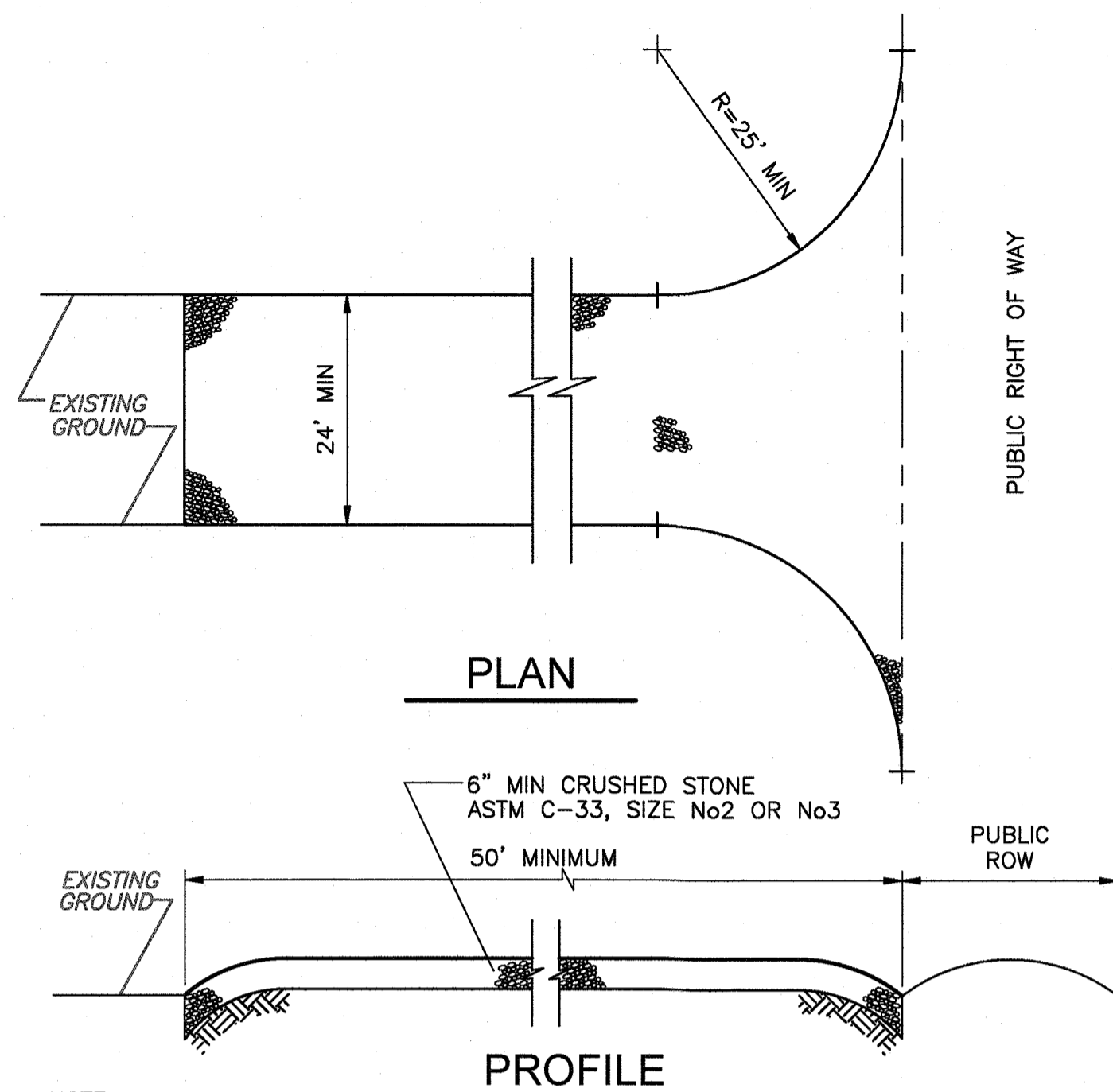
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 GROUNDWATER WELLS PROJECT B
 CONTRACT NO. 15806

CIVIL
 MISCELLANEOUS SITE DETAILS III

PROJECT NO. 250917-257061
 FILE NAME: C403STD.TDWG
 SHEET NO.
 C-403



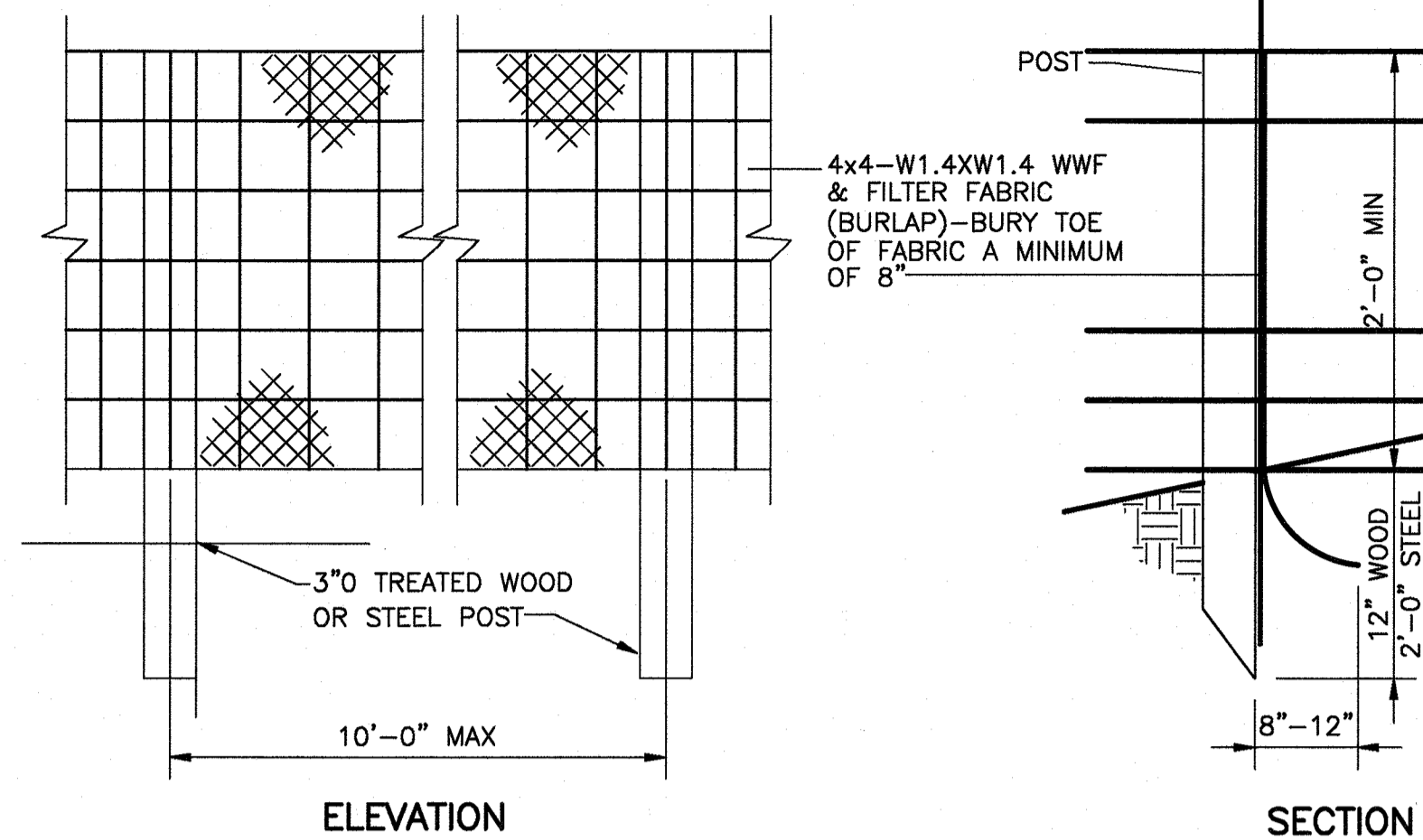
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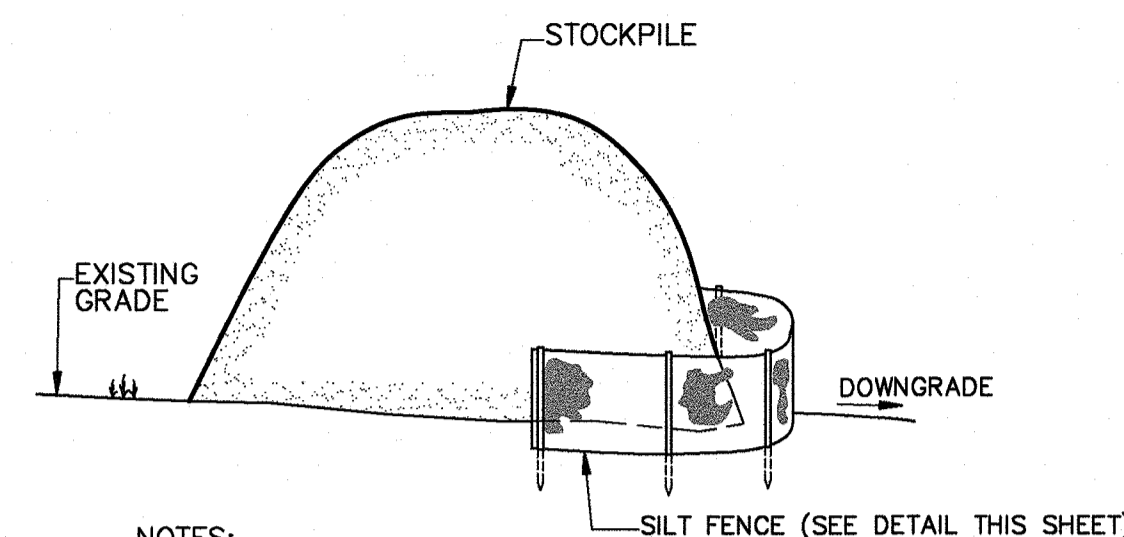
NOTE:
 PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY.
 THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY

STABILIZED CONSTRUCTION ENTRANCE

DETAIL A
 NTS



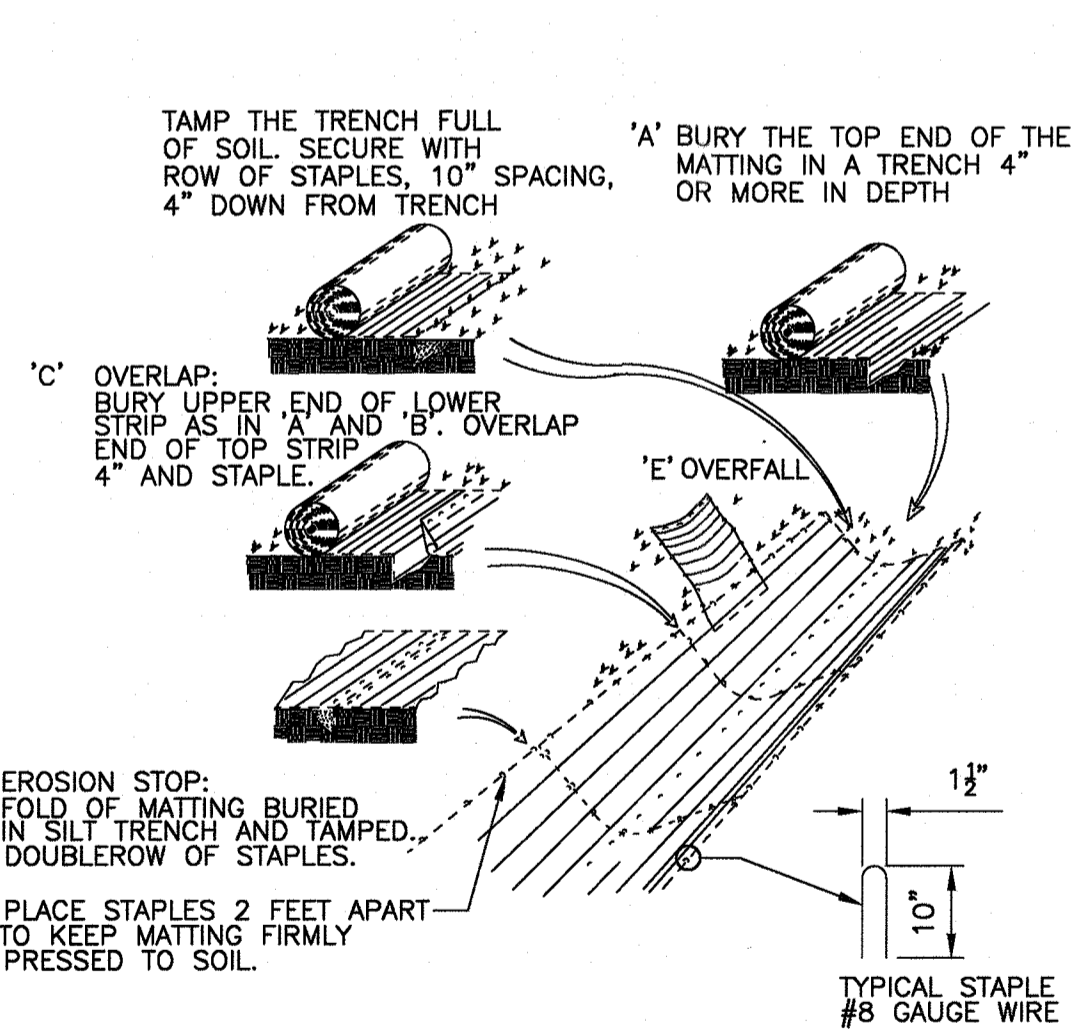
SILT FENCE
DETAIL B
 NTS



NOTES:
 1. CLEAN SOIL SHALL BE SEEDING IMMEDIATELY AFTER STOCKPILING.

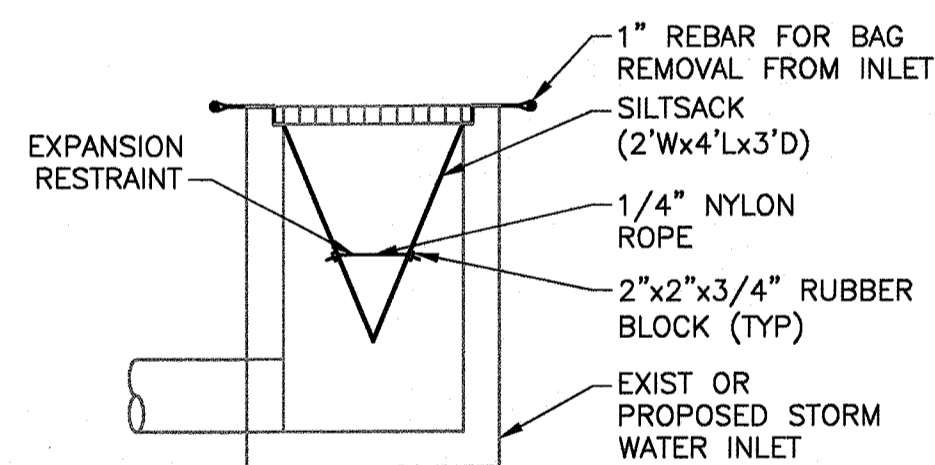
TEMPORARY STOCK PILE

DETAIL C
 NTS



EROSION BLANKET

DETAIL D
 NTS

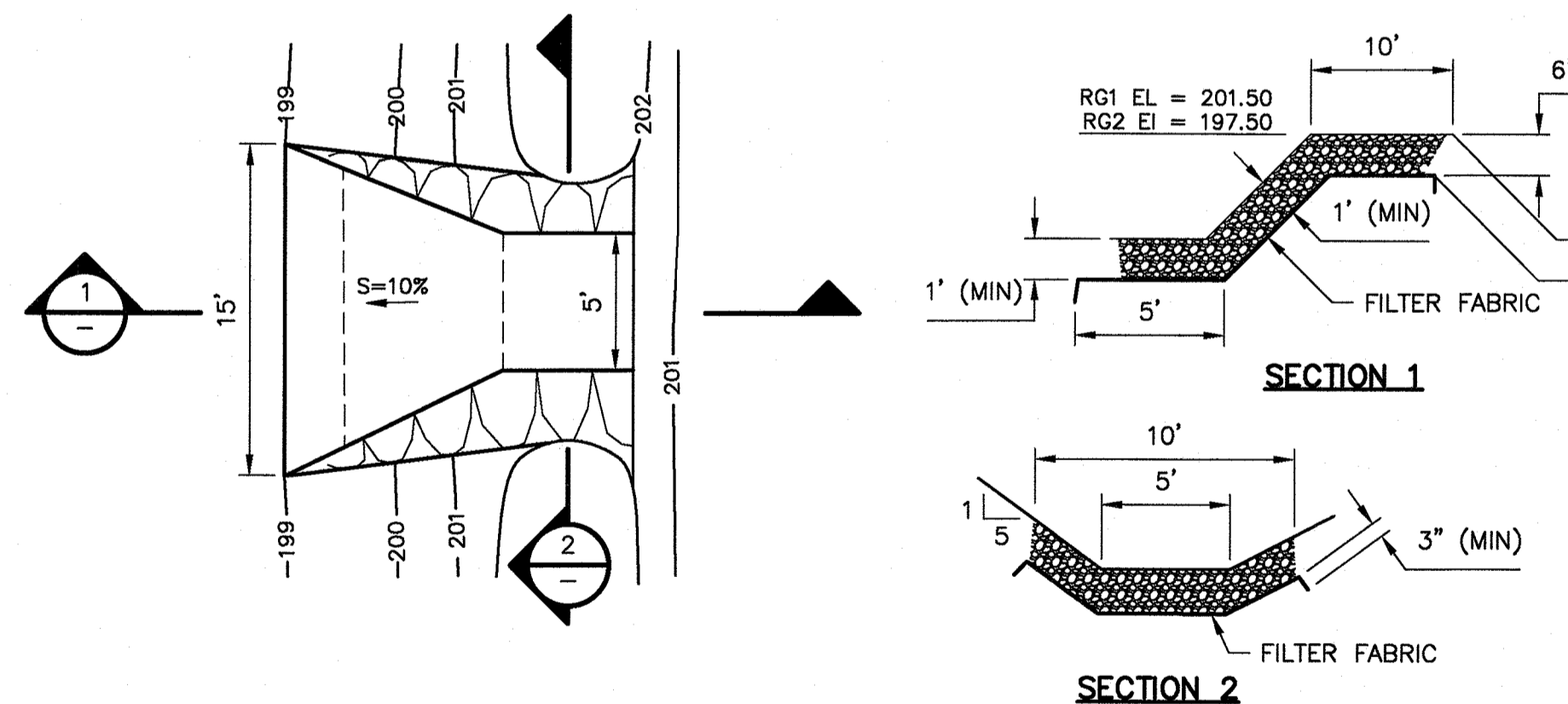


INLET SEDIMENT CONTROL DEVICE NOTE:

1. GEOTEXTILE SEDIMENT COLLECTION SACKS OR BAGS THAT ARE MADE TO FIT INSIDE A STORM INLET MAY BE USED FOR STORM INLET PROTECTION. THE GEOTEXTILE SHOULD BE ABLE TO TRAP FINE SAND OR LARGER SEDIMENT. WHEN INSTALLED, THE GEOTEXTILE SACKS OR BAGS SHOULD BE SECURELY HELD IN THE STORM INLET AND THE INLET GRATE SHOULD BE IN PLACE. THE ITEMS NEEDED FOR REMOVAL OF THE GEOTEXTILE SACKS OR BAGS SHOULD BE PROVIDED AND THE SACKS OR BAGS SHOULD BE REMOVED AND CLEANED OUT OR REPLACED BEFORE THEY BECOME 1/3 FULL OF SEDIMENT. GEOTEXTILE SEDIMENT COLLECTION DEVICES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. BERMS MAY BE NECESSARY TO DIRECT WATER INTO INLET AND TO PREVENT SEDIMENT LADEN WATER FROM BYPASSING THE INLET SEDIMENT CONTROL DEVICE.

INLET SEDIMENT CONTROL DEVICE

DETAIL E
 NTS



NOTES:

1. GRADES PROVIDED FOR RG1. SIMILAR SLOPES APPLICABLE AT RG2. SEE PLAN SHEET FOR ACTUAL ELEVATIONS.

RIP RAP OVERFLOW

DETAIL F
 NTS



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1	5/22	RWH	DAR	REVISED PER TOWN COMMENTS

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DRAWN BY:	R. HAINES
SHEET CHK'D BY:	D. ROSENTHAL
CROSS CHK'D BY:	P. CABRAL
APPROVED BY:	G. STUART
DATE:	SEPTEMBER 2021

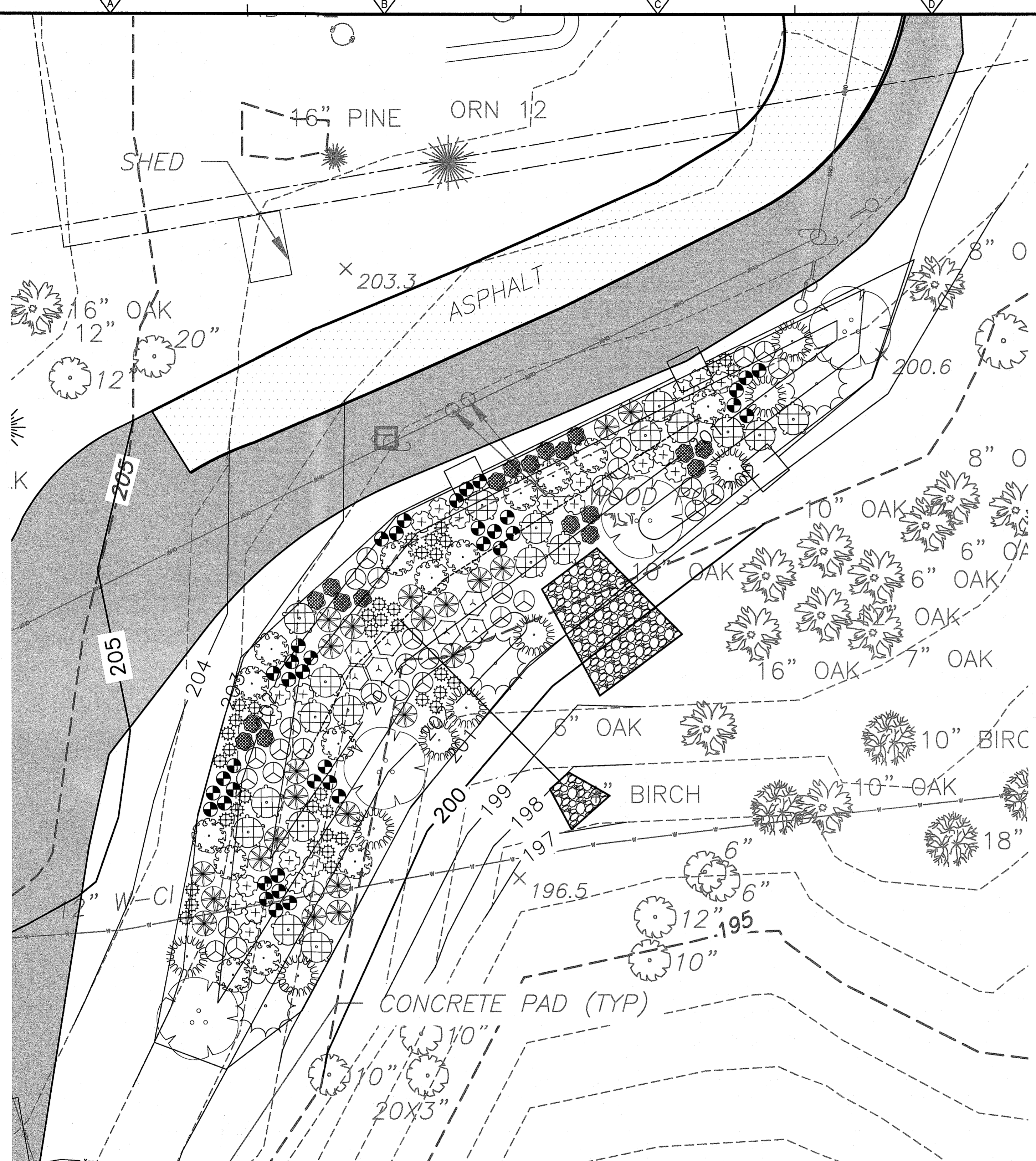
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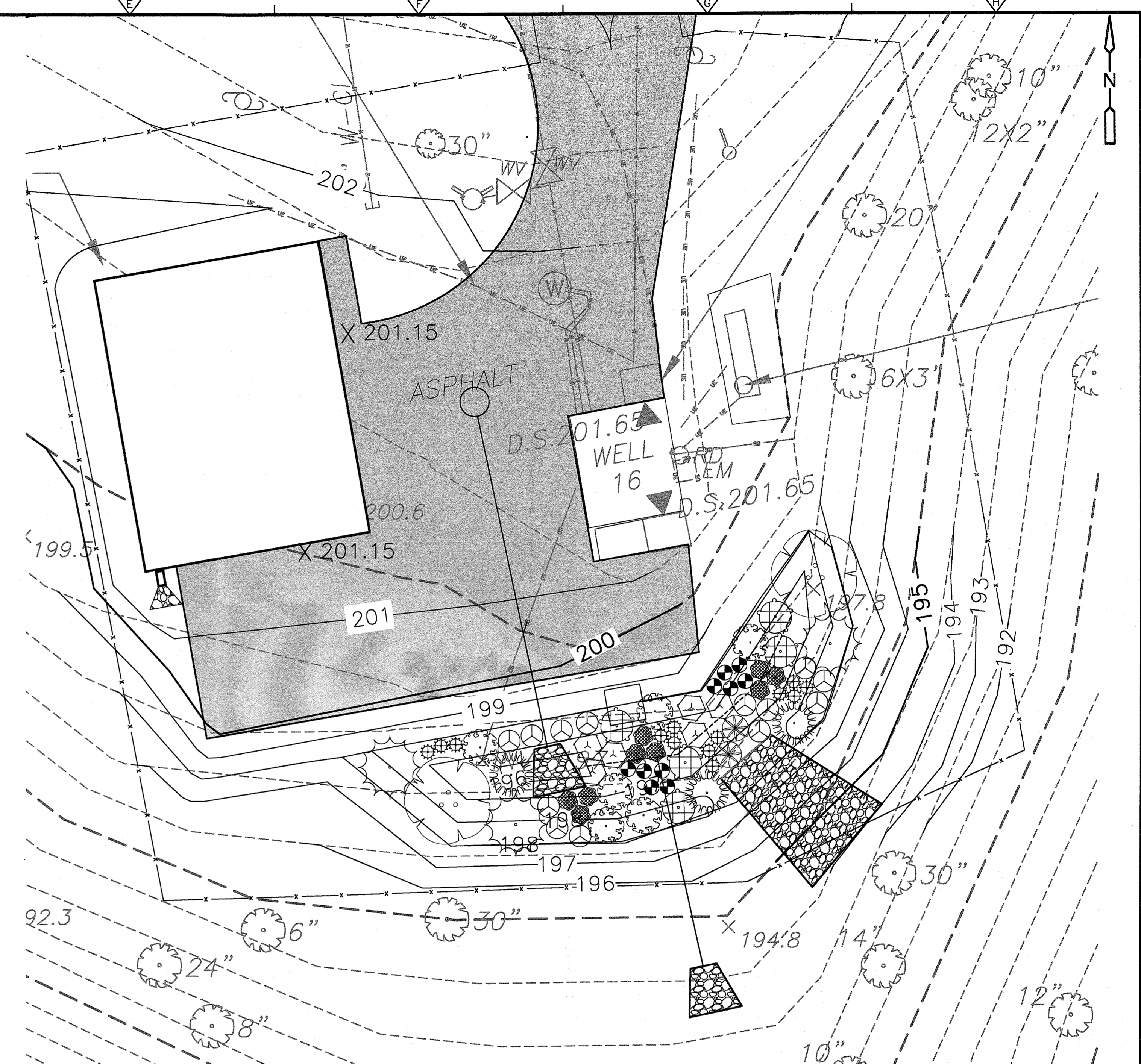
**CIVIL
 SEDIMENTATION AND EROSION DETAILS**

PROJECT NO.	250917-257061
FILE NAME:	C404STDT.DWG
SHEET NO.	C-404

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RAIN GARDEN 1
PLAN
 1" = 10'
 5 0 10



RAIN GARDEN 2
PLAN
 1" = 10'
 5 0 10

- LEGEND**
- | | |
|-------------------------------------|--|
| SHRUBS | PERENNIALS, GRASSES & FERNS |
| ARONIA MELANOCARPA 'VIKING' | CAREX STRICTA |
| CLETHRA ALNIFOLIA 'HUMMINGBIRD' | CAREX VULPINOIDEA |
| CORNUS SERICEA 'FARROW' ARCTIC FIRE | GERANIUM MACULATUM |
| ILEX GLABRA | MONARDA DIDYMA |
| LINDERA BENZOIN | ONOCLEA SENSIBILIS |
| | OSMUNDA CLAYTONIA |
| | PHYTOSTEGIA VIRGINIANA |



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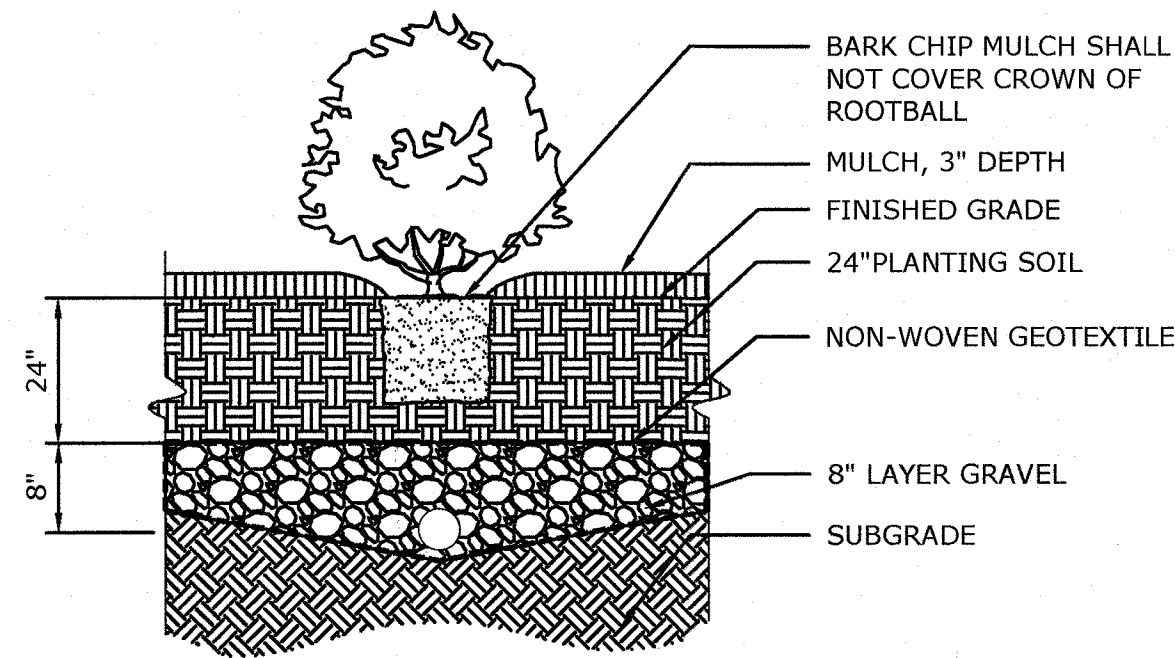
DESIGNED BY: D. ROSENTHAL
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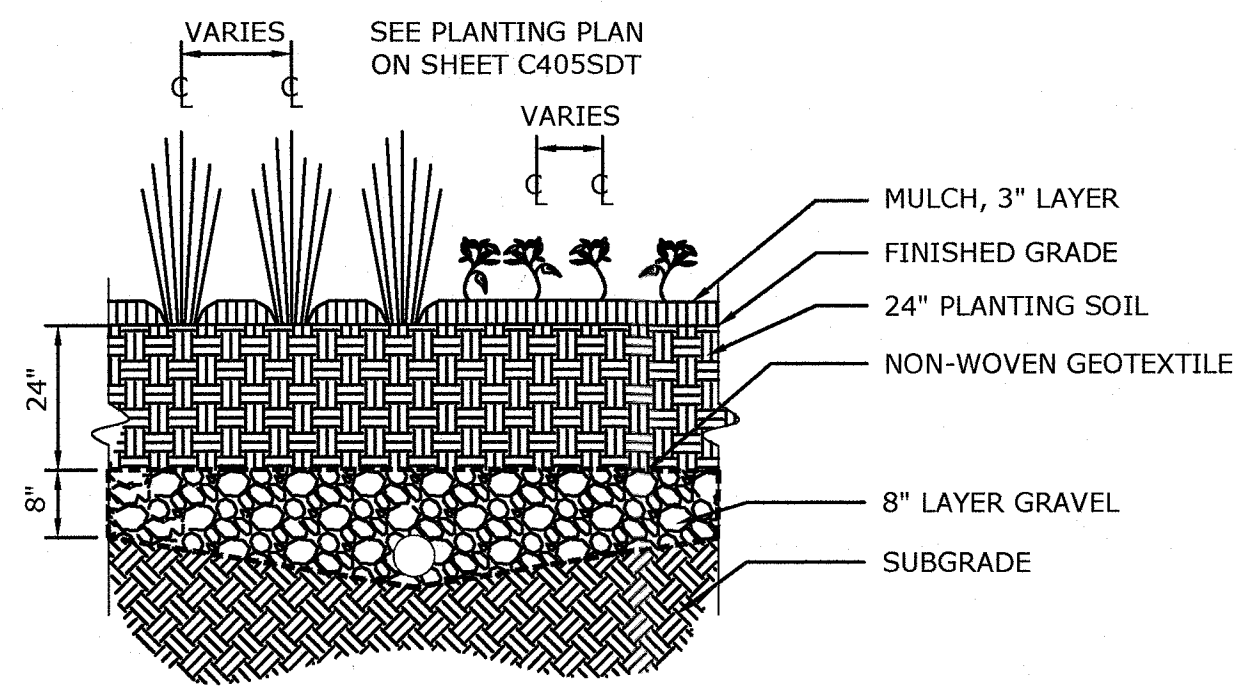
SUEZ WATER NEW YORK
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 GROUNDWATER WELLS PROJECT B**
 CONTRACT NO. 15806

PROJECT NO. 250917-257061
 FILE NAME: C405STD1.DWG
 SHEET NO.
C-405

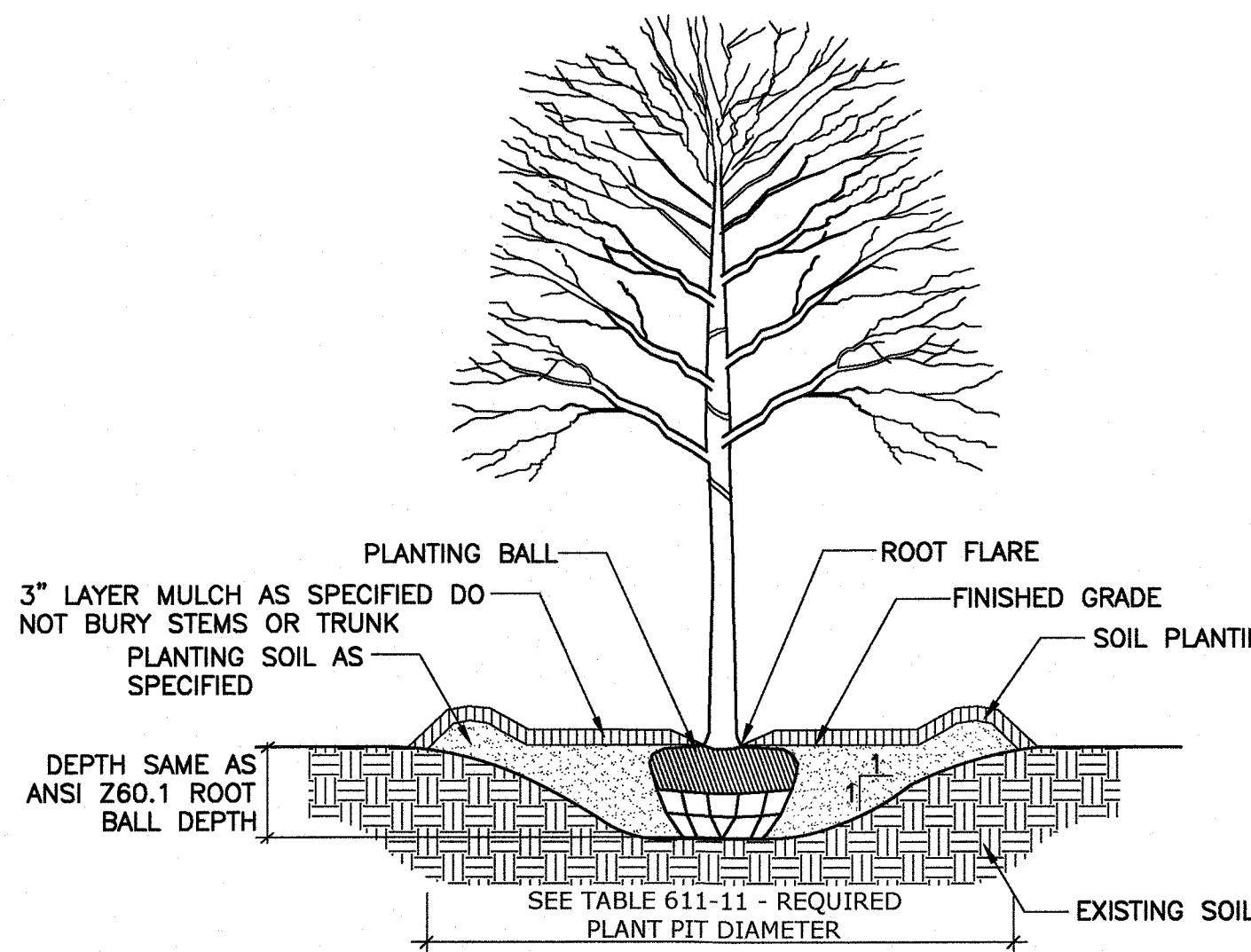
**CIVIL
 PLANTINGS DETAILS I**



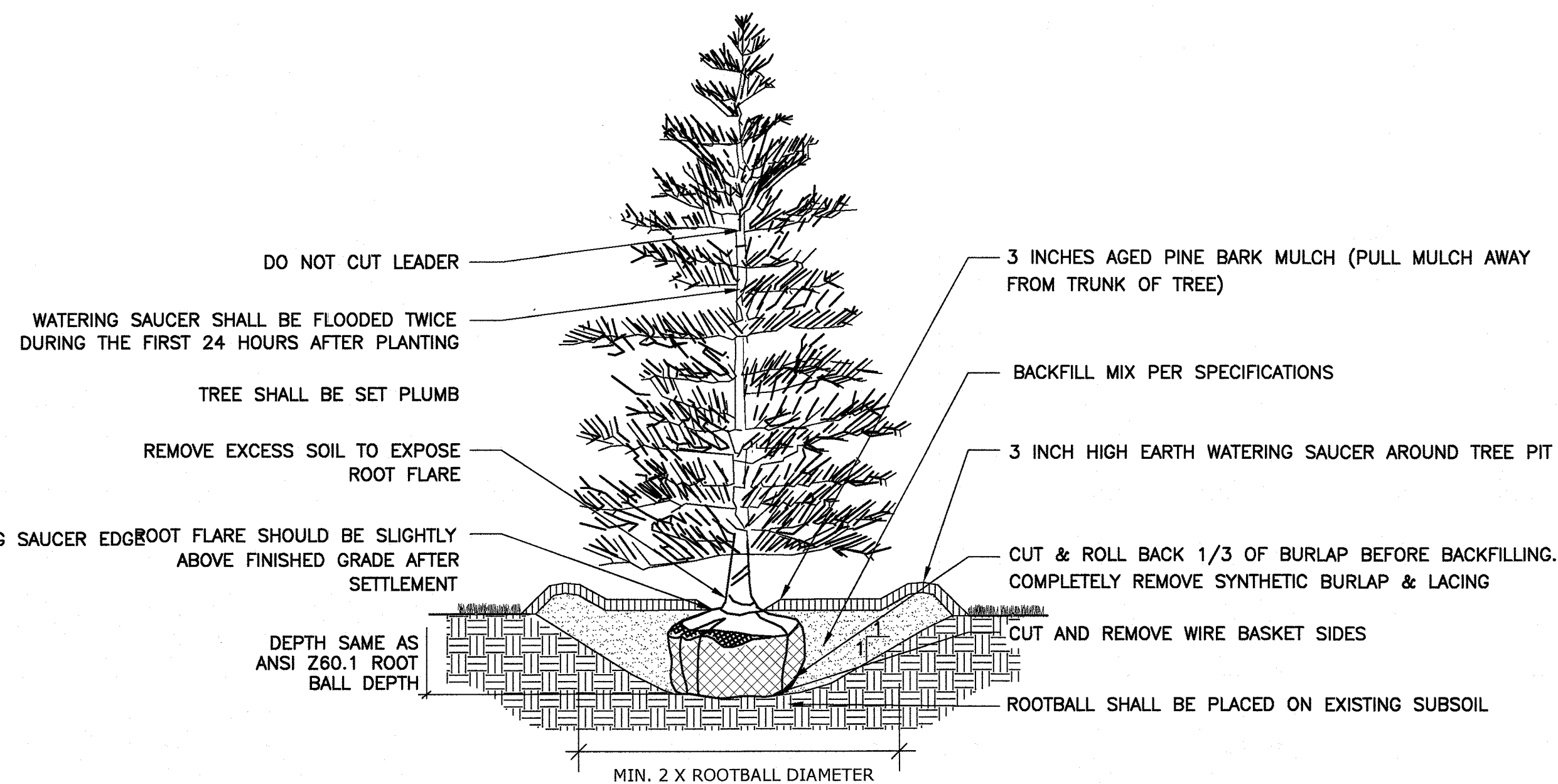
SHRUB PLANTING
DETAIL A
NTS



PERENNIAL, FERN, AND SEDGE PLANTING
DETAIL B
NTS



DECIDUOUS TREE PLANTING
DETAIL C
NTS



EVERGREEN TREE PLANTING
DETAIL D
NTS

PLANT SCHEDULE						
SHRUBS						
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	COND	SIZE
	AV	12	ARONIA MELANOCARPA 'VIKING'	VIKING BLACK CHOKEBERRY	CONTAINER	2 GALLON
	CA	21	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	FARROW ARCTIC FIRE RED TWIG DOGWOOD	CONTAINER	2 GALLON
	CS	24	CORNUS SERICEA 'FARROW' ARCTIC FIRE	SUMMERSWEET	CONTAINER	2 GALLON
	IG	6	ILEX GLABRA	INKBERRY	CONTAINER	5 GALLON
	LB	6	LINDERA BENZOIN	NORTHERN SPICEBUSH	CONTAINER	5 GALLON
PERENNIALS						
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	COND	SIZE
	GM	53	GERANIUM MACULATUM	WILD GERANIUM	CONTAINER	1 GALLON
	MD	44	MONARDA DIDYMA	SCARLET BEEBALM	CONTAINER	1 GALLON
	PV	22	PHYTOSTEGIA VIRGINIANA	OBEDIENT PLANT	CONTAINER	1 GALLON
FERNS						
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	COND	SIZE
	OS	13	ONOCLEA SENSIBILIS	SENSITIVE FERN	CONTAINER	1 GALLON
	OC	25	OSMUNDA CLAYTONIANA	INTERRUPTED FERN	CONTAINER	1 GALLON
SEDGES						
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	COND	SIZE
	CS	49	CAREX STRICTA	TUSSOCK SEDGE	CONTAINER	1 GALLON
	CV	28	CAREX VULPINOIDEA	FOX SEDGE	CONTAINER	1 GALLON

PLANTING SCHEDULE
DETAIL E
NTS

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1	5/22	RWH	DAR	REVISED PER TOWN COMMENTS

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 GROUNDWATER WELLS PROJECT B
 CONTRACT NO. 15806

CIVIL
 PLANTINGS DETAILS II

PROJECT NO. 250917-257061
 FILE NAME: C406STDT.DWG
 SHEET NO.
C-406

ABBREVIATIONS

& AB ACMU AFF AFG AL, ALUM AMP ANOD ASSY BBT BOARD BEV BLDG BLK BLKG BRG BRK BRSS BRZ BTM C TO C CAB CEM CF CGFB CH CHAM CHAN CIP CJ CL OR C CLG CLKG CMU COL COMP CONC CONT CRPT ORS CT CET DF DIA DIAG DIM DISP DN DP DR ELEC ELEV EQ EQPT EWC EXP EJ EXIST, (E) FD FF FGL FIN FLG FL FLR FR FRP FO FV FXD GA GALV GL	AND ANGLE AT ANCHOR BOLT ABOVE ACOUSTICAL CONCRETE MASONRY UNIT ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ALUMINUM ACOUSTICAL METAL PANELS ANODIZE(D) ASSEMBLY BOARDS TILE BOARD BEVEL(ED) BLOCK BLOCKING BEARING BRICK BRASS BRONZE BOTTOM CENTER TO CENTER CABINET CEMENT COMPRESSIBLE FILLER CEMENTITIOUS GLASS FIBER BOARD CONCRETE HARDENER CHAMFER CHANNEL CAST IN PLACE CONTROL JOINT CENTERLINE CEILING CAULKING CONCRETE MASONRY UNIT COLUMN COMPRESSIBLE CONCRETE CONTINUOUS CARPET, CARPET TILE COURSE(S) CERAMIC TILE DETAIL DRINKING FOUNTAIN DIAMETER DIAGONAL DIMENSION DISPENSER DOWN DAMP/PROOFING DRAIN ELECTRICAL ELEVATION EQUAL(Y) EQUIPMENT ELECTRICAL WATER COOLER EXPOSED EXPANSION JOINT EXISTING FLOOR DRAIN FIRE EXTINGUISHER FACTORY FINISH FIBERGLASS FINISH(ED) FLASHING FLOOR(ING) FILLER FRAME FIBERGLASS REINFORCED PLASTIC FRAME OPENING FIELD VERIFY FIXED GAGE, GAUGE GALVANIZED GLASS	GB GRT GYP GWB HARD HD HDWD HDWR HGR HGT HM HOR HP HR IN INST INSUL JC JT JT FLR L LAB LAD LAM LAV LG LINO LKR LNTL LFP LT MAS MATL MAX MEMB MFR MIN MSC MO MR MRAT MTD MTG MTL NIC NOM NTS OC OH OPNG OPP HD ORD OSB OV OVHD PERIM PL PLAS PLK PLYWD PM PR PRD PRCST PREFAB PT PRMLD PSF PTD QT QTB R R+S RB RD RECT	GLASS BLOCK GRATING GYPSUM GYPSUM WALL BOARD HARDENER HEAVY DUTY HARDWOOD HARDWARE HANGER HEIGHT HOLLOW METAL HORIZONTAL HIGH POINT HANDRAIL INCH INSTRUMENTATION INSULATION JANITOR'S CLOSET JOINT JOINT FILLER LINE OF STRUCTURAL ANGLE DESIGNATION LABORATORY LADDER LAMINATED LAVATORY LAMINATED GLASS LINOLEUM LOCKER LINTEL LOW POINT LIGHT(S) MASONRY MATERIAL MAXIMUM MEMBRANE MANUFACTURER MINIMUM MISCELLANEOUS MASONRY OPENING MOISTURE RESISTANT MOISTURE RESISTANT ACOUSTICAL TILE MOUNTED MOUNTING METAL NOT IN CONTRACT NOMINAL NOT TO SCALE ON CENTER OVERHANG OPENING OPPOSITE HAND OVERFLOW ROOF DRAIN ORIENTED STRAND BOARD OVER OVERHEAD PERIMETER PLATE PROPERTY LINE PLASTER PLANK PLYWOOD PRESSED METAL PAIR PROMENADE ROOF DRAIN PRECAST PRE-FABRICATED PRESSURE TREATED PREMOLDED POUNDS PER SQUARE FOOT PAINTED QUARRY TILE QUARRY TILE BASE RISER(S) BACKER ROD & SEALANT RUBBER BASE ROOF DRAIN RECEPTACLE	REF REINF REQD REV RF RFG RGH RJ RL RLG RM RO RF RFL S SAT SB SCHD SCRN SECT SF SGFT SHT SIM SK SL SLNT SPEC SST STD STL STOR STRU STWY SUPT SUSP T TBM T&G TEMP TEMP TEMP TER TERB THK THR TKBD TOB TOC TOIL TOM TOPG TOS TS TSL TWF TYP UC UON URINAL VB VCT VERT VEST VENT THRU ROOF WITH W W W/A W/O W/C WD WDW WF WPG WT WWF	ROOF EXHAUST FAN REINFORCE (D, ING) REQUIRED REVISED ROOF FAN ROOFING ROUGH REVEAL/RUSTICATION JOINT RAIN LEADER RAILING ROOM ROUGH OPENING RUBBER TILE RAIN WATER LEADER STEEL S-SHAPED DESIGNATION SUSPENDED ACOUSTICAL TILE SEAMLESS BASE SCHEDULE SCREEN(ED, ING) SECTION SEAMLESS FLOORING STRUCTURAL GLAZED FACING TILE SHEET SIMILAR SINK SLOPE SEALANT SPECIFICATION, SPECIFIED STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURE(S, URAL) STAIRWAY SUPERINTENDENT SUSPENDED TREAD(S) TRAFFIC BEARING MEMBRANE TONGUE AND GROOVE TEMPERATURE TEMPERED TEMPORARY TERRAZZO TERRAZZO BASE THICK(NESS) THRESHOLD TACKBOARD TOP OF BRICK TOP OF CONCRETE TOILET TOP OF MASONRY TOPPING TOP OF STEEL STRUCTURAL TUBING (STEEL UNLESS NOTED) TOP OF SLAB THROUGH WALL FLASHING TYPICAL UNDERCUT UNLESS OTHERWISE NOTED URINAL VAPOR BARRIER VINYL COMPOSITE TILE VERTICAL VESTIBULE VENT THRU ROOF WITH WITH WHERE APPLICABLE WITHOUT WATER CLOSET WOOD WINDOW WIDE FLANGE WATERPROOFING STEEL TEE-SHAPE DESIGNATION WELDED WIRE FABRIC
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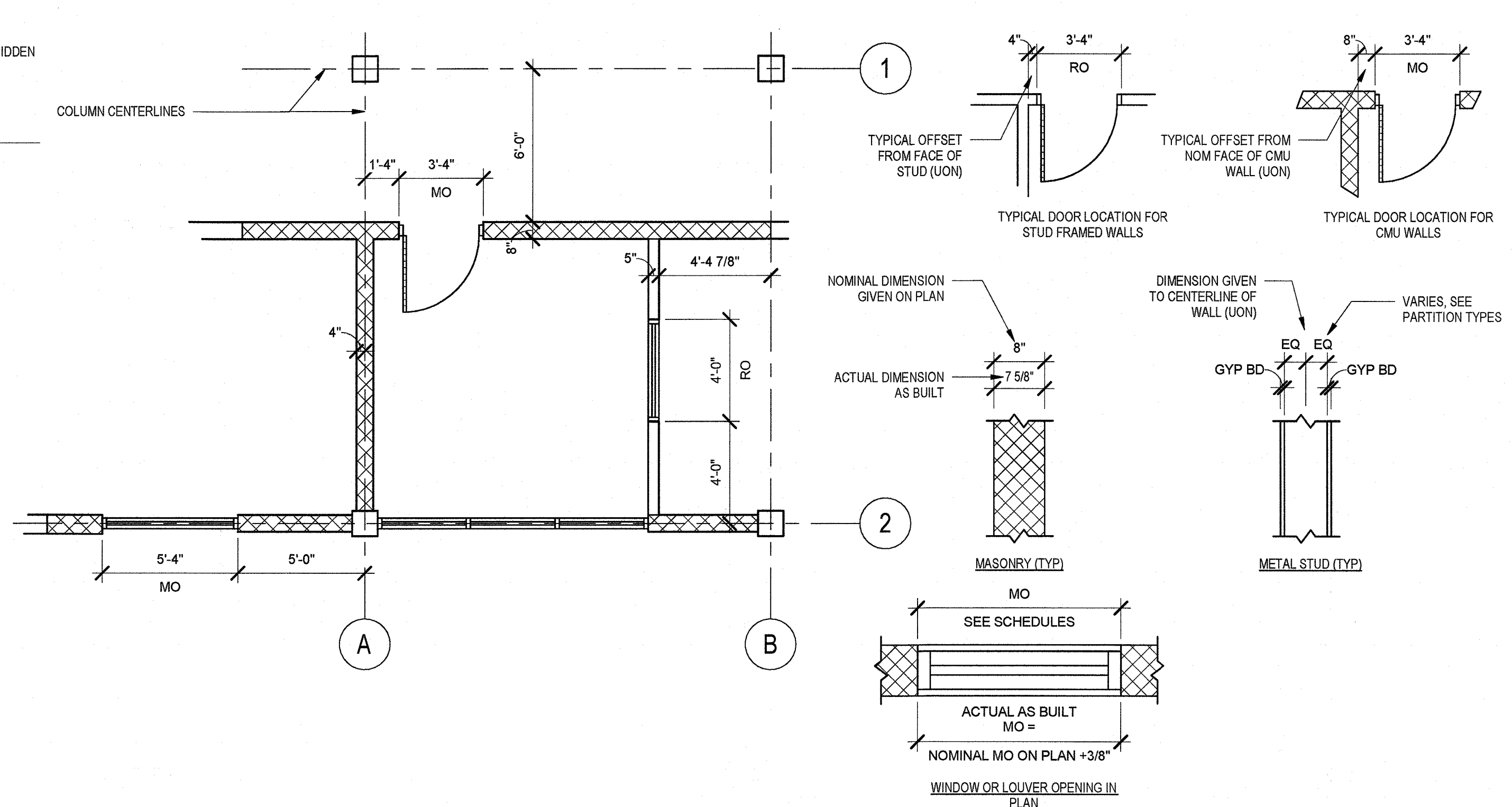
GENERAL NOTES

- NOT ALL EQUIPMENT IS SHOWN FOR CLARITY. REFER TO THE APPROPRIATE DISCIPLINE SHEETS FOR SPECIFIC EQUIPMENT LAYOUT AND OTHER REQUIREMENTS.
- SEE CIVIL SHEETS FOR SIDEWALK, ROAD PAVING AND FINISH GRADE ELEVATIONS.
- SEE STRUCTURAL SHEETS FOR SIZE AND LOCATION OF CONCRETE PADS, TRENCHES, VAULTS, SUMPS, ETC.
- SEE STRUCTURAL SHEETS FOR CONCRETE AND MASONRY REINFORCEMENT.
- PRE-ENGINEERED METAL BUILDING (PEMB) IS A DELEGATED DESIGN ITEM, AND AS SUCH, THE MANUFACTURER SHALL PROVIDE SHOP DRAWINGS OF PEMB MAJOR AND MINOR STRUCTURE, ROOF & WALL CLADDING, ROOF INSULATION, AND ALL ASSOCIATED ATTACHMENTS AND ACCESSORIES SIGNED & SEALED BY A NYS LICENSED ENGINEER FOR EOR REVIEW & APPROVAL. THE ARCHITECTURAL DESIGN DRAWINGS SHOW PEMB ELEMENTS FOR REFERENCE & COORDINATION ONLY.
- PATCH AND REPAIR ANY MATERIALS OR SURFACES DAMAGED DURING THE CONSTRUCTION PROCESS TO MATCH THE EXISTING ADJACENT SURFACES.
- ALL ITEMS TO BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL JOINTS, VOIDS THROUGH FIRE-RATED WALL SYSTEMS ARE TO BE FILLED/SEALED WITH UL APPROVED FIRESTOPPING MATERIALS TO ACHIEVE THE REQUIRED FIRE-RATING (REFER TO CODE DRAWINGS FOR LOCATIONS).
- DO NOT SCALE FROM THE DRAWINGS.
- NOTIFY ARCHITECT IF CONSTRUCTION DOCUMENTS DIFFER FROM ACTUAL FIELD CONDITIONS PRIOR TO FABRICATION OR NEW CONSTRUCTION.
- THIS DRAWING CONTAINS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS. NOT ALL ITEMS SHOWN HERE APPEAR ON THE CONTRACT DRAWINGS.

LINE TYPES

- CONTINUOUS - NEW CONSTRUCTION
- DASHED ON CONSTRUCTION PLAN/SHEETS - HIDDEN ELEMENTS BEYOND, ABOVE OR BELOW

DIMENSIONING SYSTEM

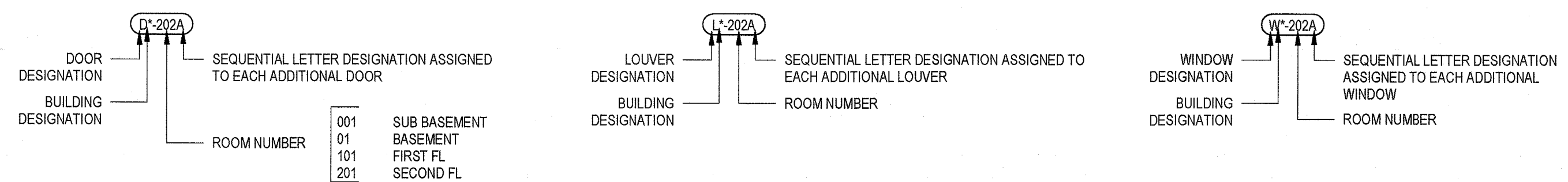


MATERIAL SYMBOLS

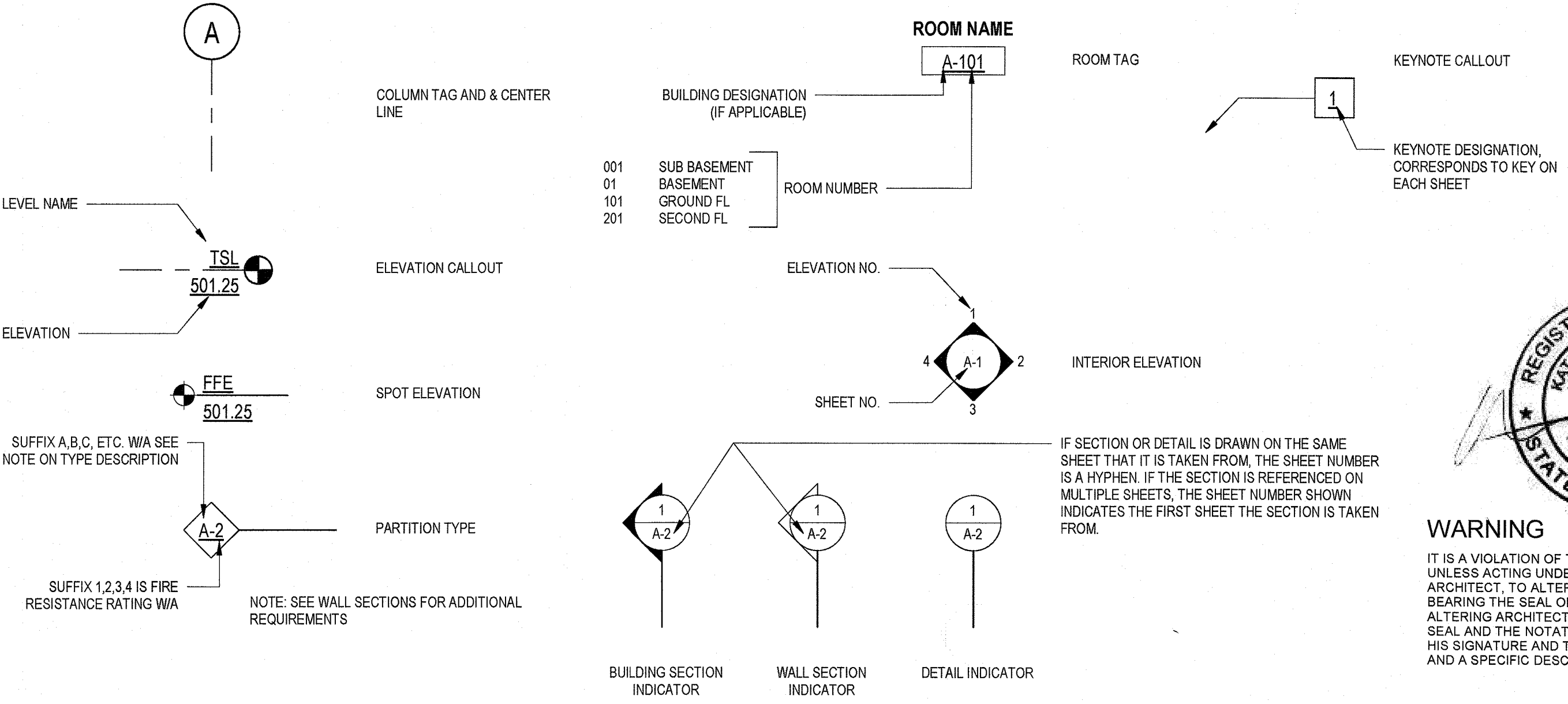
	EARTH
	GRAVEL
	BRICK
	CONCRETE MASONRY UNIT (CMU)
	PRECAST CONCRETE
	CAST-IN-PLACE CONCRETE
	WOOD BLOCKING
	WOOD FINISH
	PLYWOOD
	RIGID INSULATION
	BLANKET INSULATION
	STEEL
	ALUMINUM
	STUCCO / GROUT
	CAULK

OPENINGS

USUALLY LABELED IN PLAN VIEW; HOWEVER, OPENINGS NOT SHOWN IN PLAN ARE LABELED ON ELEVATIONS



SYMBOLS



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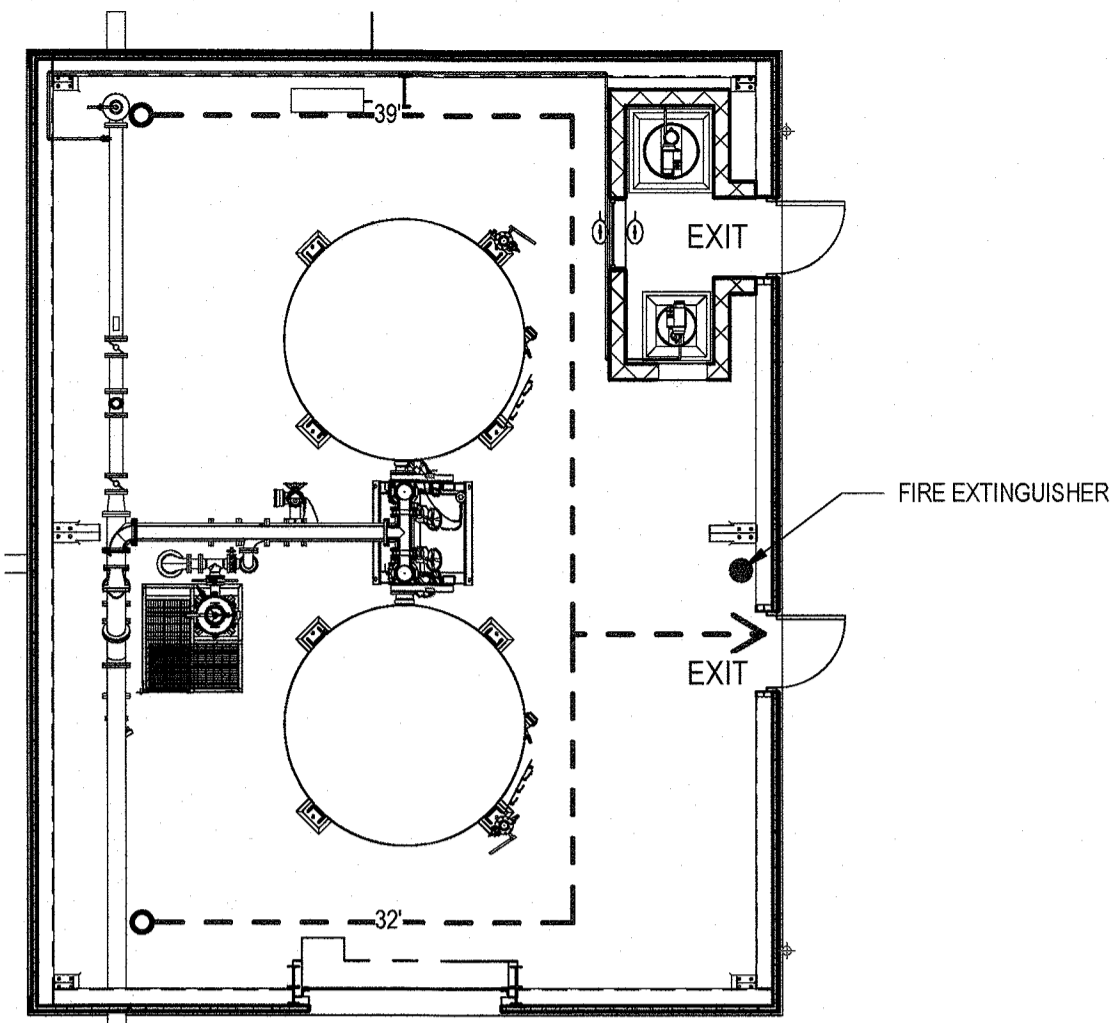
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MACAN DEVE

SUEZ WATER NEW YORK INC.
WEST NYACK, NY
PFAS COMPLIANCE FOR
GROUNDWATER WELLS PROJECT B
AGREEMENT NO. 15806

ARCHITECTURAL
GENERAL NOTES
ABBREVIATIONS AND SYMBOLS

PROJECT NO.	250917-257061
FILE NAME:	
SHEET NO.	A-001



EGRESS PLAN
1/8" = 1'-0"

GOVERNING CODES AND STANDARDS

- The new building is subject to all applicable Federal, State, and Local Codes and Standards including, but not limited to the following:
 - 2020 Building Code of New York State (2020 NYBC; adopts with amendments 2018 IBC)
 - 2020 Fire Code of NYS (2020 NYSFC; adopts with amendments 2018 IFC)
 - 2020 New York State Energy Conservation Code (2020 NYSECC; adopts with amendments 2018 IECC)
 - National Fire Protection Association Life Safety Code (NFPA 101)
 - Underwriters Laboratory Inc.
 - Factory Mutual Approval
- OSHA exists to ensure safe and healthful working conditions for workers by setting and enforcing standards and by providing training, outreach, education, and assistance. OSHA is part of the United States Department of Labor. Work areas of the new building are subject to the current version of the standards:
 - THE PROPOSED BUILDINGS SHALL HAVE AN OCCUPANCY CLASSIFICATION OF U - UTILITY, IN ACCORDANCE WITH THE 2020 NYBC.
- OSHA 29 CFR 1910-Occupational Safety and Health Standards
- SUEZ Water New York Policies and Procedures

APPLICABLE STANDARDS

- INTERNATIONAL BUILDING CODE 2018
- NYS 2020 UNIFORM CODE
- NYS 2020 ENERGY CODE ANSI A117.1-2009
- NFPA 70-2014 (NATIONAL ELECTRICAL CODE)
- ACI-318-2014

Code Compliance Summary SWNY PFAS Compliance Project B New York State Building Code			
NS=BUILDING NOT SPRINKLERED, NA=NOT APPLICABLE, HR=HOURS, [F]=FIRE CODE REQUIREMENT ALSO, OL=OCCUPANCY LOAD, MAX=MAXIMUM, MIN=MINIMUM, SF=SQUARE FOOT, GSF=GROSS SQUARE FOOT			
CODE ITEM	CODE REFERENCE	PROPOSED GAC BUILDING	
OCCUPANCY CLASSIFICATION AND USE	SECTION 312	GROUP U - UTILITY	
CONSTRUCTION TYPE	TABLE 601	TYPE IIB	
BUILDING HEIGHT AND AREA	SECTION 503 GENERAL BUILDING HEIGHT AND AREA LIMITATIONS ABOVE GRADE PLANE, TABLE 504.3, 504.4, 506.2	ALLOWED	PROPOSED
		2 STORIES 55'-0" HEIGHT 8,500 SF	1 STORY 29'-0" HEIGHT 1,120 SF
FIRE RESISTANCE RATING REQUIREMENTS			
BUILDING ELEMENTS	TABLE 601 FIRE RESISTANCE RATINGS :	FIRE RATING (HOUR)	
		IIB	ALLOWED
	PRIMARY STRUCTURAL FRAME	0	0
	BEARING WALLS (EXTERIOR AND INTERIOR)	0	0
	FLOOR CONSTRUCTION	0	0
	ROOF CONSTRUCTION	0	0
	NON BEARING WALLS (INTERIOR)	0	0
	EXTERIOR WALL	0	0
	TABLE 602 FIRE SEPARATION DISTANCE (FT) 10 < X < 30	0	0
OPENING PROTECTIVES	SECTION 715.4	REQUIRED	PROPOSED
		None	None
SEPARATION OF OCCUPANCIES	TABLE 508.4 (SINGLE OCCUPANCY)	REQUIRED	PROPOSED
		None	None
PARAPETS	SECTION 705.11 EXCEPTIONS 1: WALLS NOT REQUIRING FIRE RATING PER TABLE 602 FIRE SEPARATION DISTANCE	NOT REQUIRED	PROPOSED
		NO	NO (PROVIDING GUARDRAILS FOR FALL PREVENTION)
PENETRAION	SECTION 713.3.1	REQUIRED	PROPOSED
		NA	NA
MEANS OF EGRESS REQUIREMENTS			
OCCUPANT LOAD	CHAPTER 10 TABLE 1004.1.1. - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: INDUSTRIAL AREA = 100 GROSS SQUARE FOOT	ALLOWED	PROPOSED ACTUAL
		GROSS FL AREA = 1,120 GSF 1120/100=11.2 ->12 OCCUPANTS	12 OCCUPANTS DURING MAINTENANCE SERVICE ONLY. BUILDING IS NON-OCCUPABLE AND IS UNMANNED.
OPENING PROTECTIVES	1009.1 STAIRWAY WIDTH = 36" WHEN OCCUPANT LOAD < 50 505.5 EQUIPMENT PLATFORMS 22" STAIR WIDTH 1011.5.2 RISER HEIGHT AND TREAD DEPTH RISER = 7" MAX, TREAD DEPTH = 11" MIN.	ALLOWED	PROPOSED
		YES	YES
		YES	YES
		YES	YES
ONE EXIT	TABLE 1021.2 STORIES WITH ON EXIT WHEN OCCUPANT LOAD < 50	YES	YES
EXIT ACCESS TRAVEL DISTANCE	TABLE 1006.2.1 MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE OCCUPANCY U, OL < 30 = 100 FT	YES	YES
DOORS	1008.2 SIZE OF DOORS	REQUIRED	PROPOSED
		32" MIN	36" MIN
CORRIDOR	1018.5 NONPUBLIC AISLES SERVING <50 PEOPLE AND NOT REQUIRED TO BE ACCESSIBLE NEED NOT EXCEED 28 INCHES IN WIDTH	28" MIN	36" PREFERRED
HANDRAIL	1012.2 HANDRAIL HEIGHT	REQUIRED	PROPOSED
		34" MIN, 38" MAX	34"
GUARDS	1013 GUARDS HEIGHT	REQUIRED	PROPOSED
		42"	42"
ACCESSIBILITY	1103.2.9 EQUIPMENT SPACES SPACES FREQUENTED ONLY BY PERSONNEL FOR MAINTENANCE, REPAIR OR MONITORING OF EQUIPMENT ARE NOT REQUIRED TO BE ACCESSIBLE. SUCH SPACES INCLUDE WATER TREATMENT AREAS.	NO	NO

LIFE SAFETY SYSTEM REQUIREMENTS			
EMERGENCY LIGHTING	SECTION 1006 MEANS OF EGRESS ILLUMINATION 1006.1 ILLUMINATION REQUIRED	ALLOWED	PROPOSED
		YES	YES
EXIT SIGNS	SECTION 1011 1011.1 WHERE REQUIRED	YES	YES
AUTOMATIC SPRINKLERS	903.2.11.1 ABOVE - OR BELOW - GRADE STORIES. OPENINGS ENTIRELY ABOVE THE ADJOINING OPENING LEVEL TOTALING AT LEAST 20 SF IN EACH 50 LINEAR FEET, OR FRACTION THEREOF, OF EXTERIOR WALLS FACING ONTO A STREET, PUBLIC WAY OR FRONTAGE SPACE.	NO	NO
	903.2.11.1.3 BELOW - GRADE STORIES. WHERE ANY PORTION OF A BELOW -GRADE STORY IS LOCATED MORE THAN 75 FEET (22M 860 MM) FROM OPENINGS REQUIRED BY SECTION 903.2.11.1	- OPENINGS PROVIDED PER 903.2.11.1 - NO SPACES BELOW GRADE	
PORTABLE FIRE EXTINGUISHER	SECTION 906	YES	YES
FIRE ALARM	SECTION 907 FIRE ALARM AND DETECTION SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION.	NO	NO
PANIC HARDWARE	1008.1.10 PANIC AND FIRE EXIT HARDWARE	NO	NO
STRUCTURAL AND SEISMIC DESIGN LOADS			
SEE STRUCTURAL DRAWINGS			

NEW YORK STATE ENERGY CODE 2020 (EQUIPMENT BUILDING EXCEPTION UNDER EVALUATION)			
CODE REFERENCE	CLIMATE ZONE	REQUIRED	PROPOSED
TABLE C402.1.3	ZONE 5		
ROOF	INSULATED UNDERSIDE OF ROOF DECK	R-19+R11LS	R-19+R11LS
WALLS, ABOVE GRADE	MASS (FIRST 4'), METAL (UPPER)	R-11.4ci, R-13+13ci	R-11.4ci, R-13+13ci
WALLS, BELOW GRADE	BELOW-GRADE WALL	R-7.5 ci	R-7.5 ci
TABLE C402.2 VERTICAL FENESTRATION	ENTRANCE DOOR	U-0.77	U-0.77

C402.1.1 LOW-ENERGY BUILDINGS

THE FOLLOWING LOW-ENERGY BUILDINGS, OR PORTIONS THEREOF SEPARATED FROM THE REMAINDER OF THE BUILDING BY BUILDING THERMAL ENVELOPE ASSEMBLIES COMPLYING WITH THIS SECTION, SHALL BE EXEMPT FROM THE BUILDING THERMAL ENVELOPE PROVISIONS OF SECTION C402.

- THOSE WITH A PEAK DESIGN RATE OF ENERGY USAGE LESS THAN 3.4 BTU/H * FT2(10.7W/M2) OR 1.0 WATT PER SQUARE FOOT (10.7 W/M2) OF FLOOR AREA FOR SPACE CONDITIONING PURPOSES.
- THOSE THAT DO NOT CONTAIN CONDITIONED SPACE.
- GREENHOUSES.



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DATE: SEP 2021

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**PFAS COMPLIANCE FOR
GROUNDWATER WELLS PROJECT B**

AGREEMENT NO. 15806

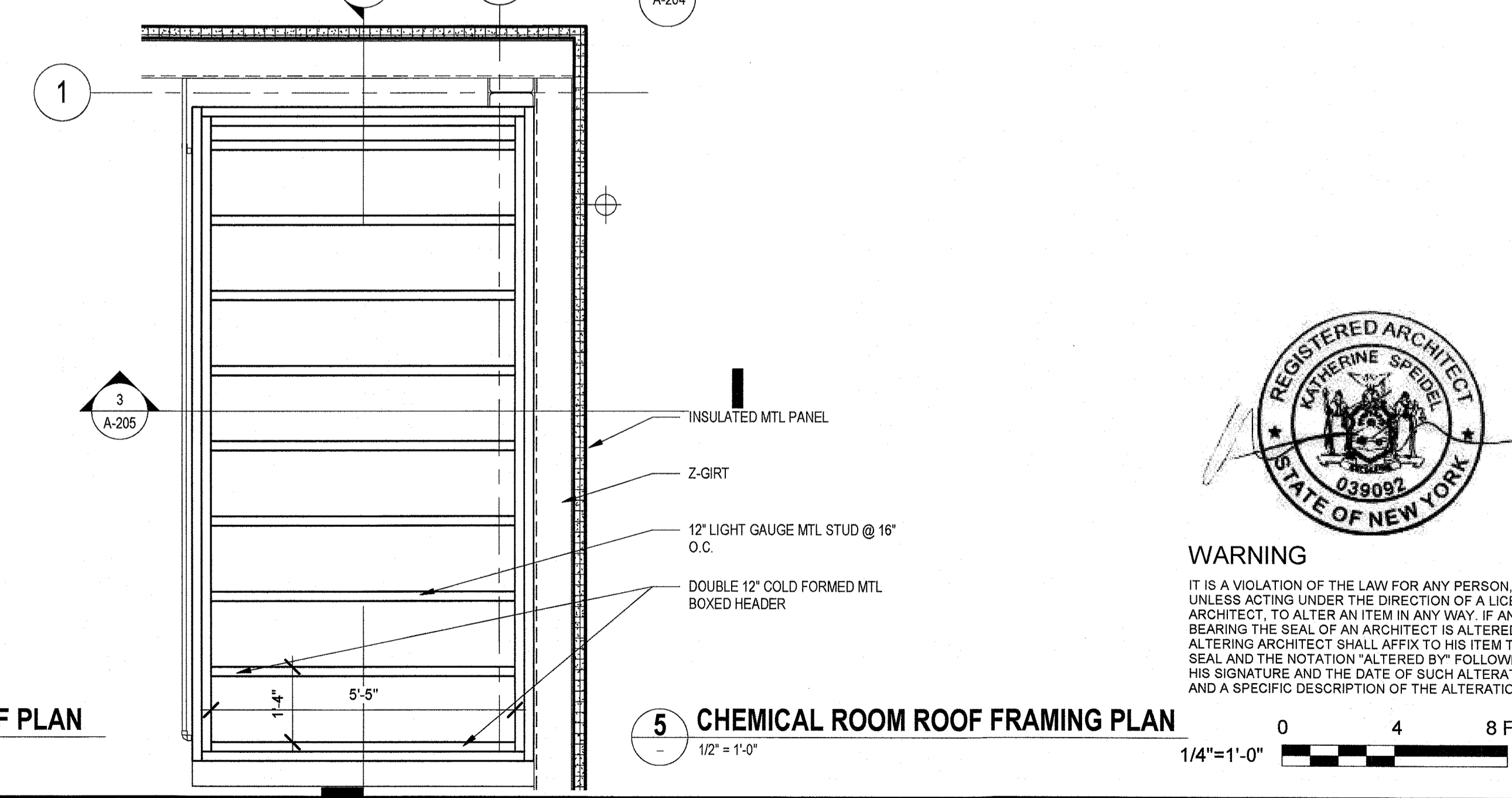
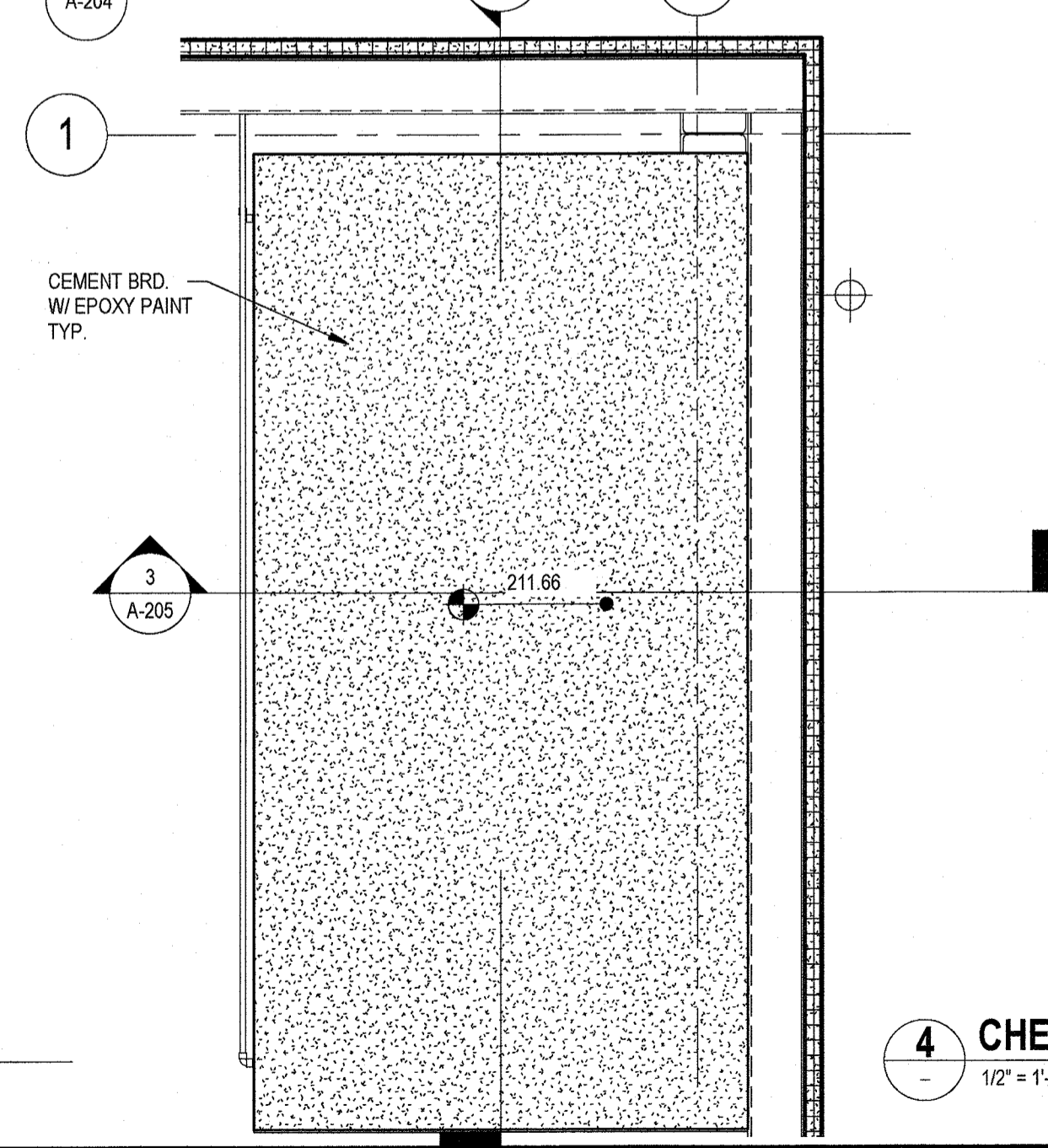
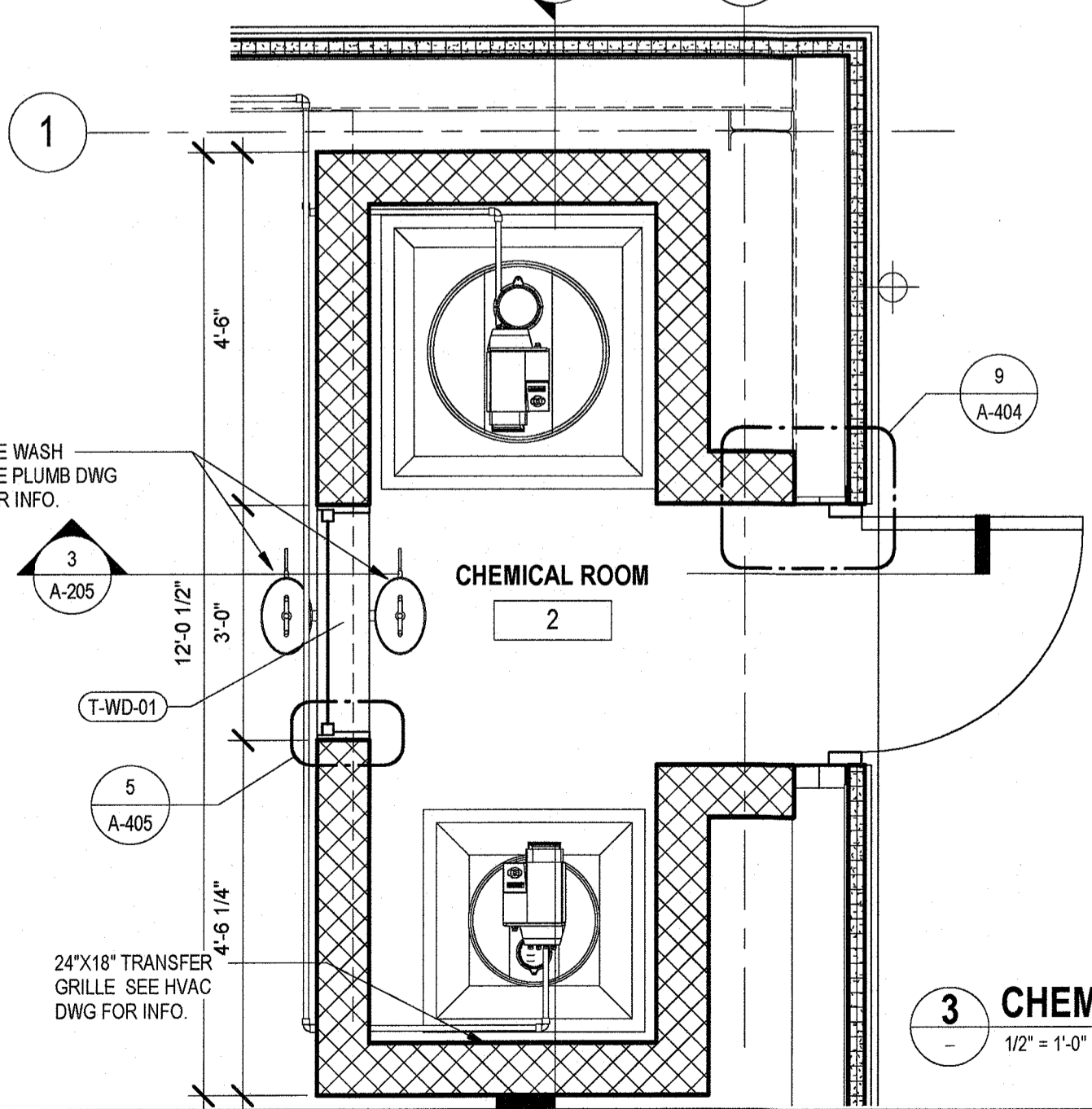
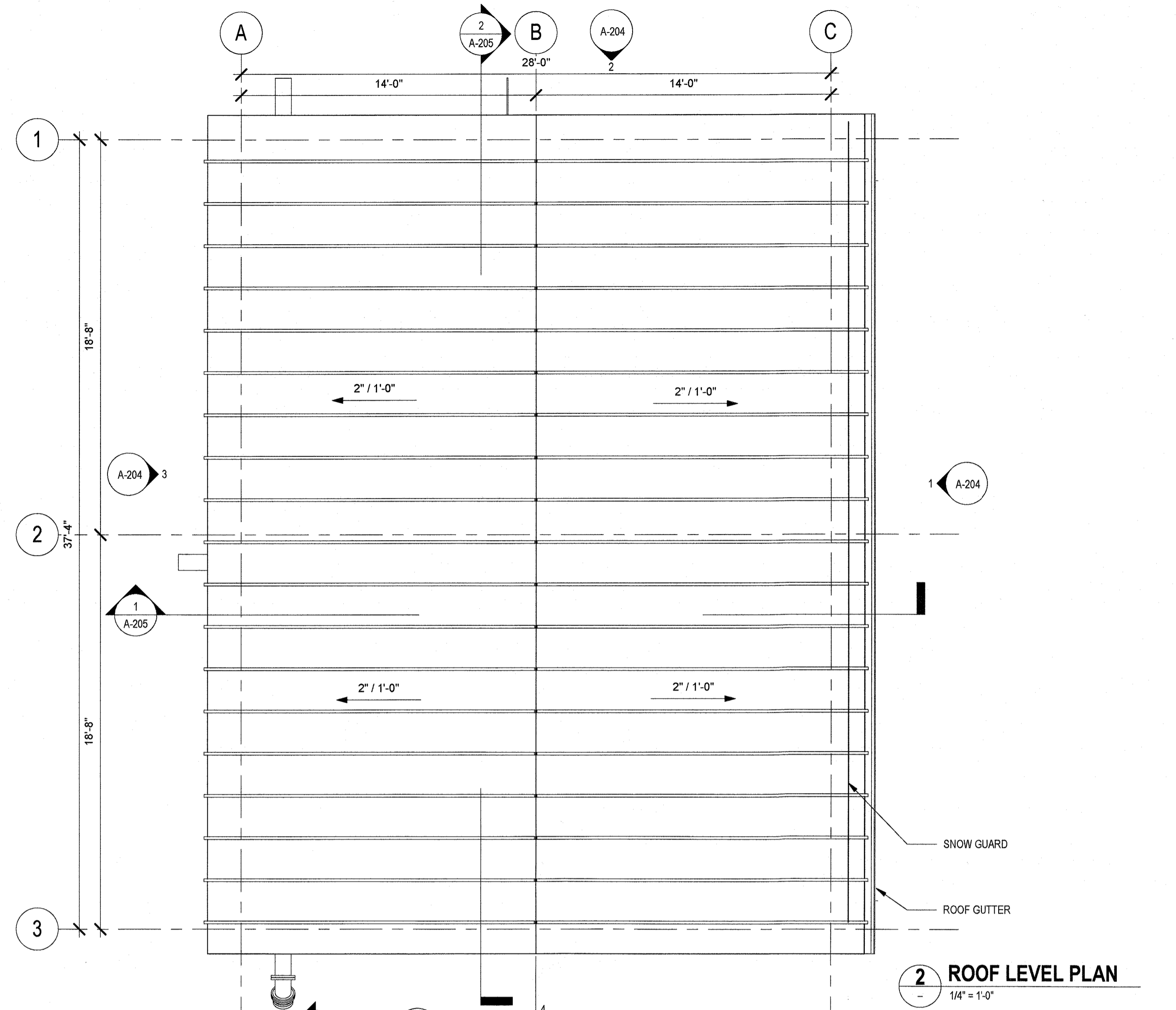
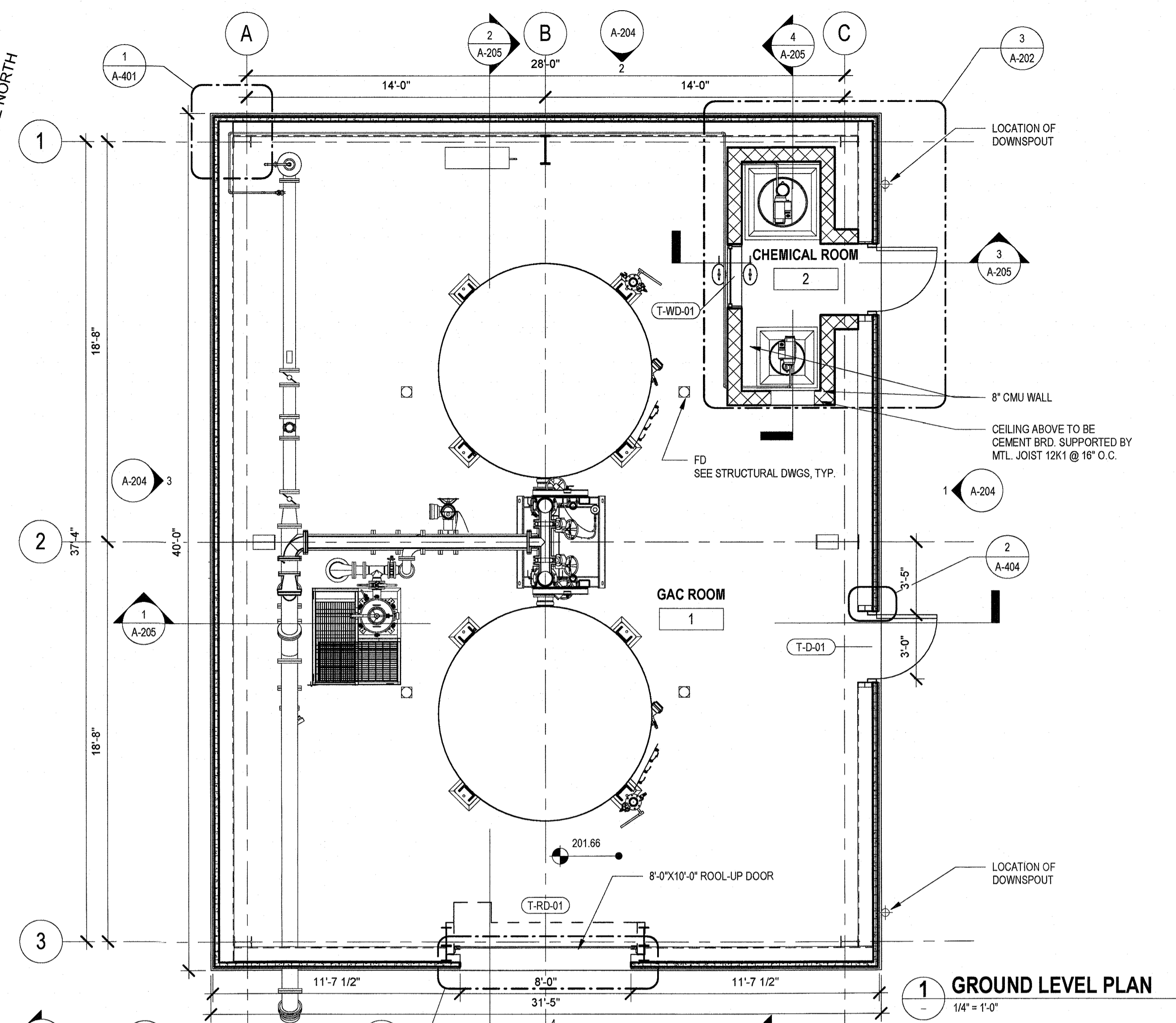
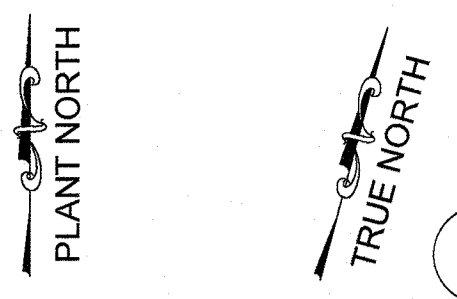
ARCHITECTURAL

CODE COMPLIANCE AND EGRESS PLAN

TAPPAN

PROJECT NO. 250917-257061 FILE NAME:
SHEET NO. A-201

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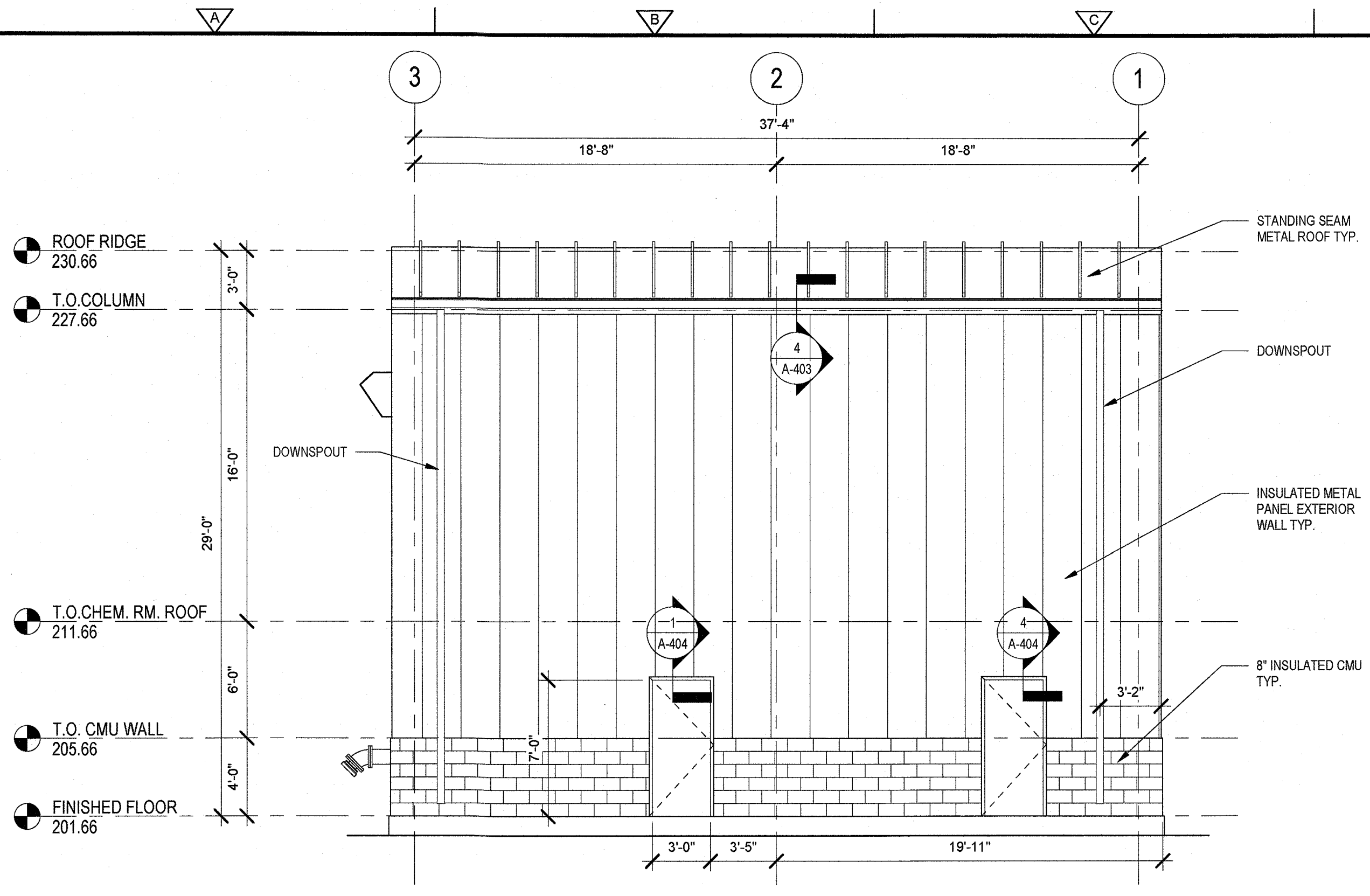
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**PFAS COMPLIANCE FOR
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 AGREEMENT NO. 15806

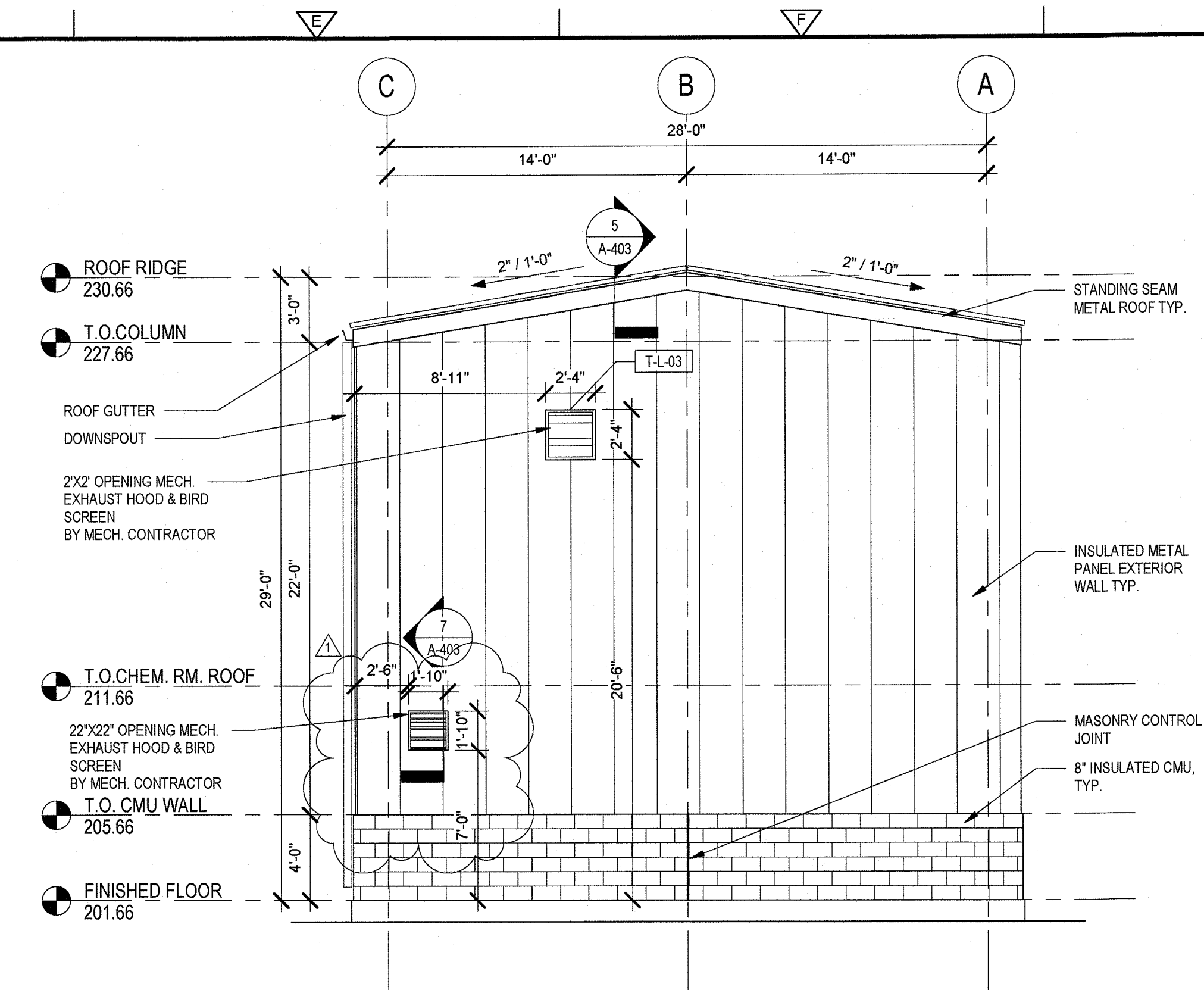
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GROUND AND ROOF LEVEL PLANS
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PROJECT NO. 250917-257061
 FILE NAME:
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A-202

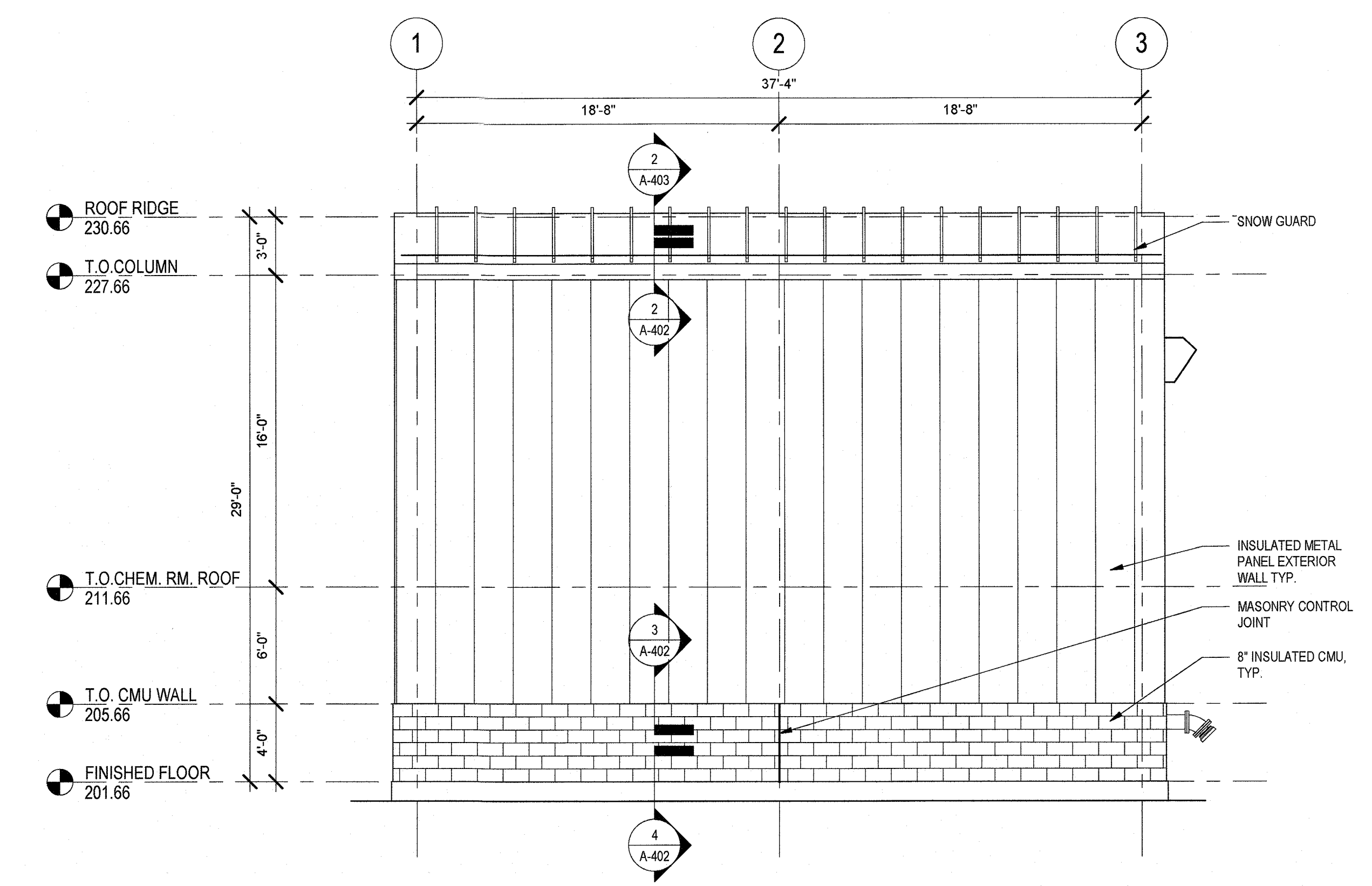
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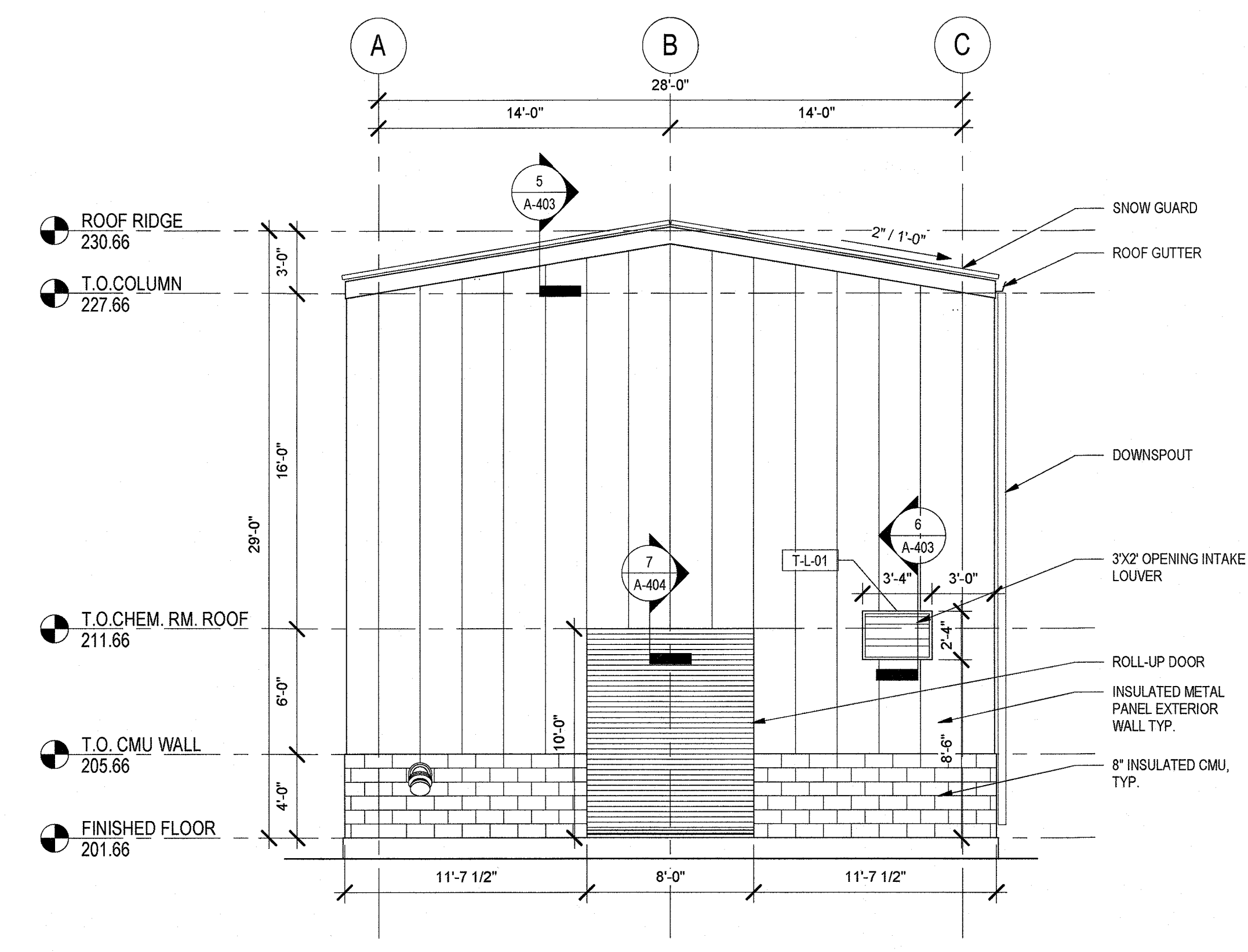
1 EAST ELEVATION
A-202 3/16" = 1'-0"



2 NORTH ELEVATION
A-202 3/16" = 1'-0"



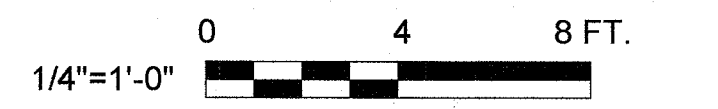
3 WEST ELEVATION
A-202 3/16" = 1'-0"



4 SOUTH ELEVATION
A-202 3/16" = 1'-0"



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12/21	JL	KS		REVISE DRAWING PER 90% COMMENTS

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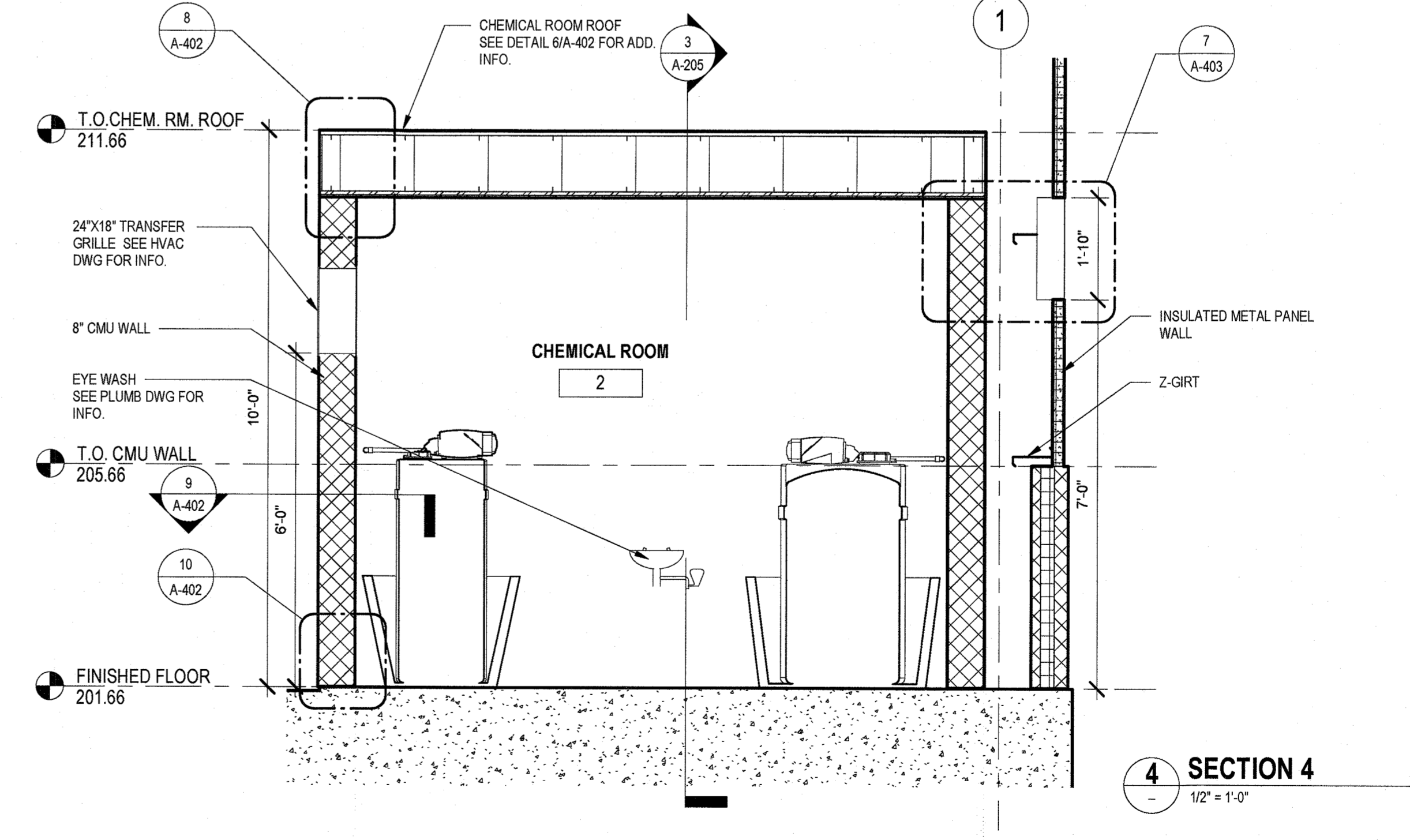
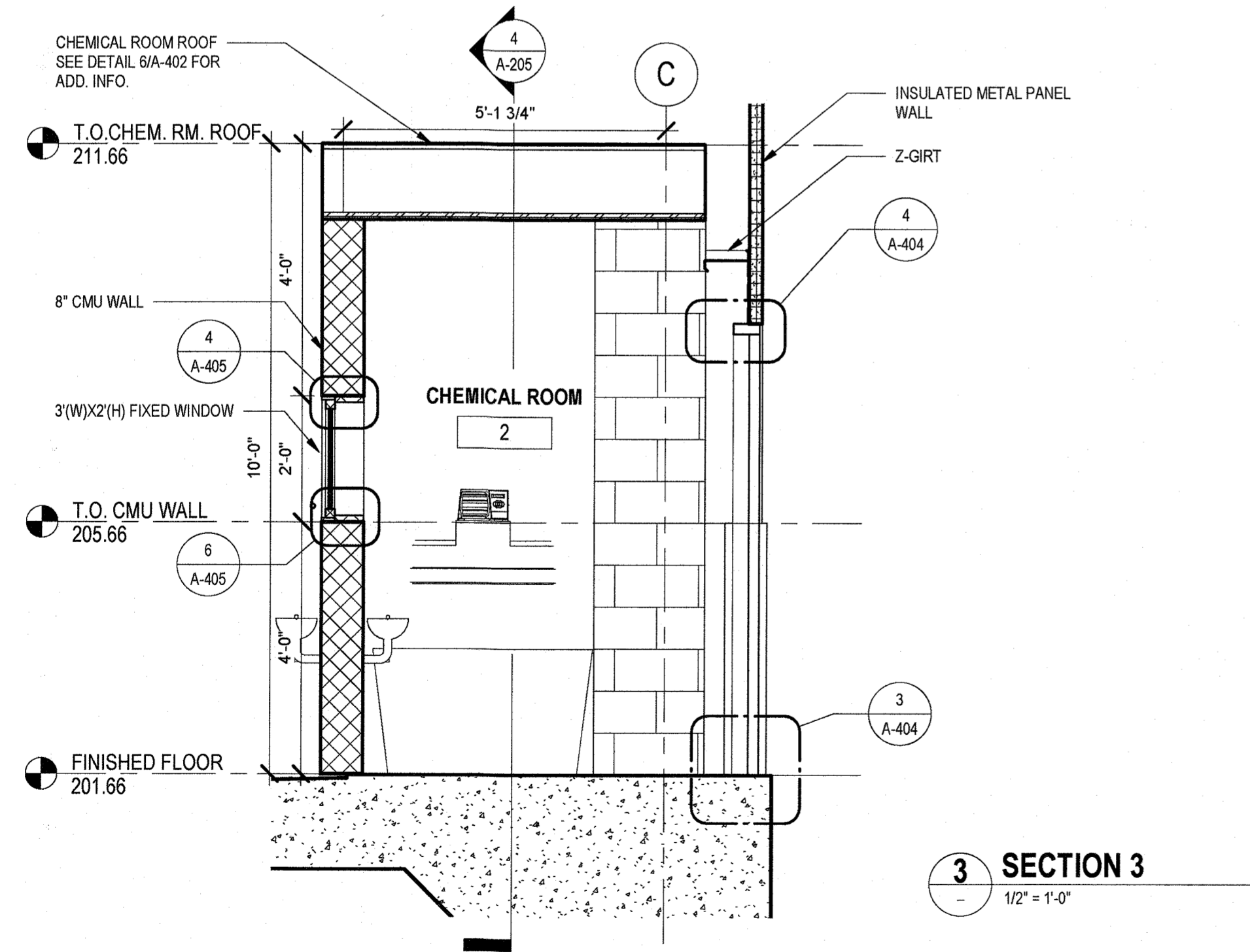
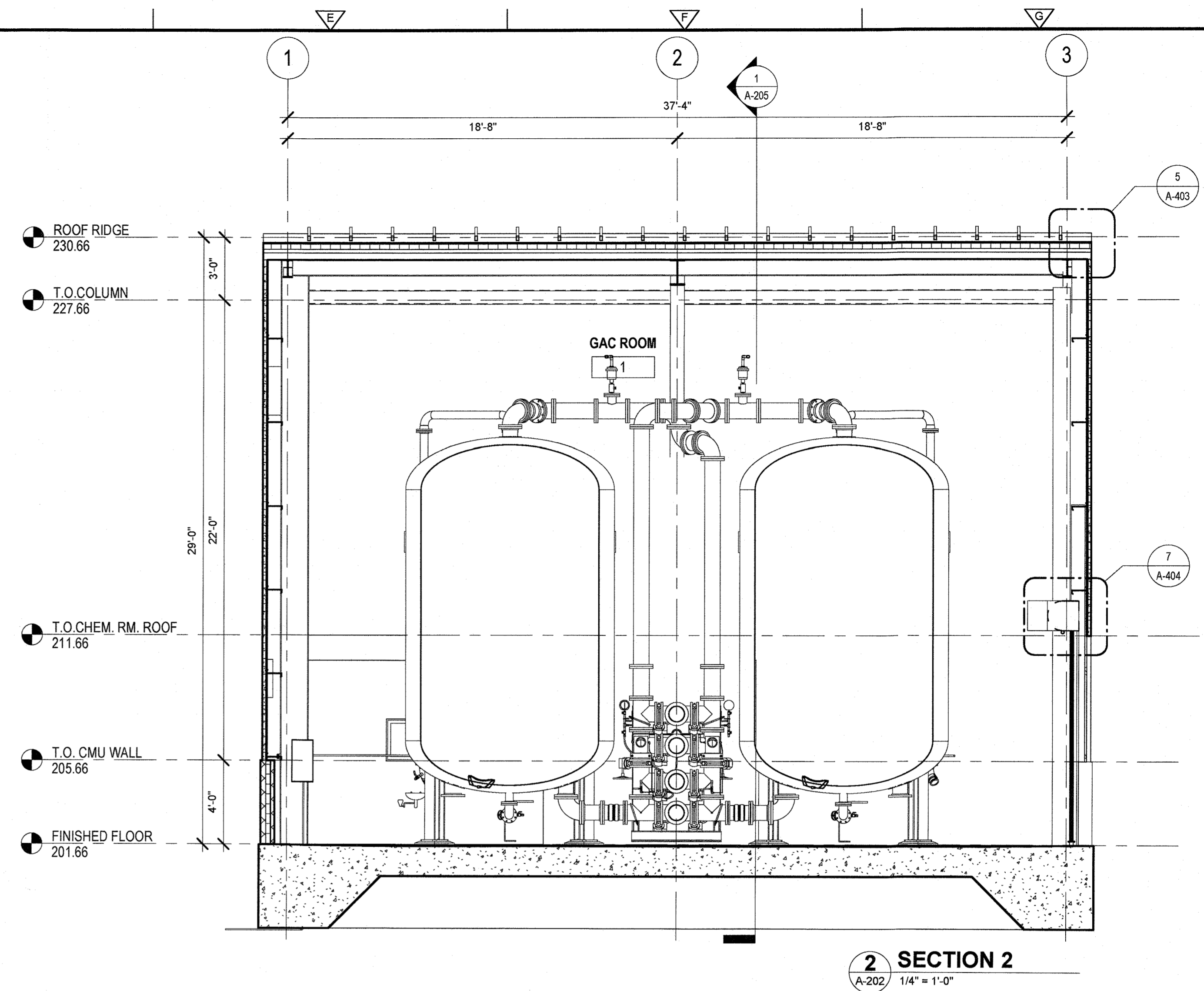
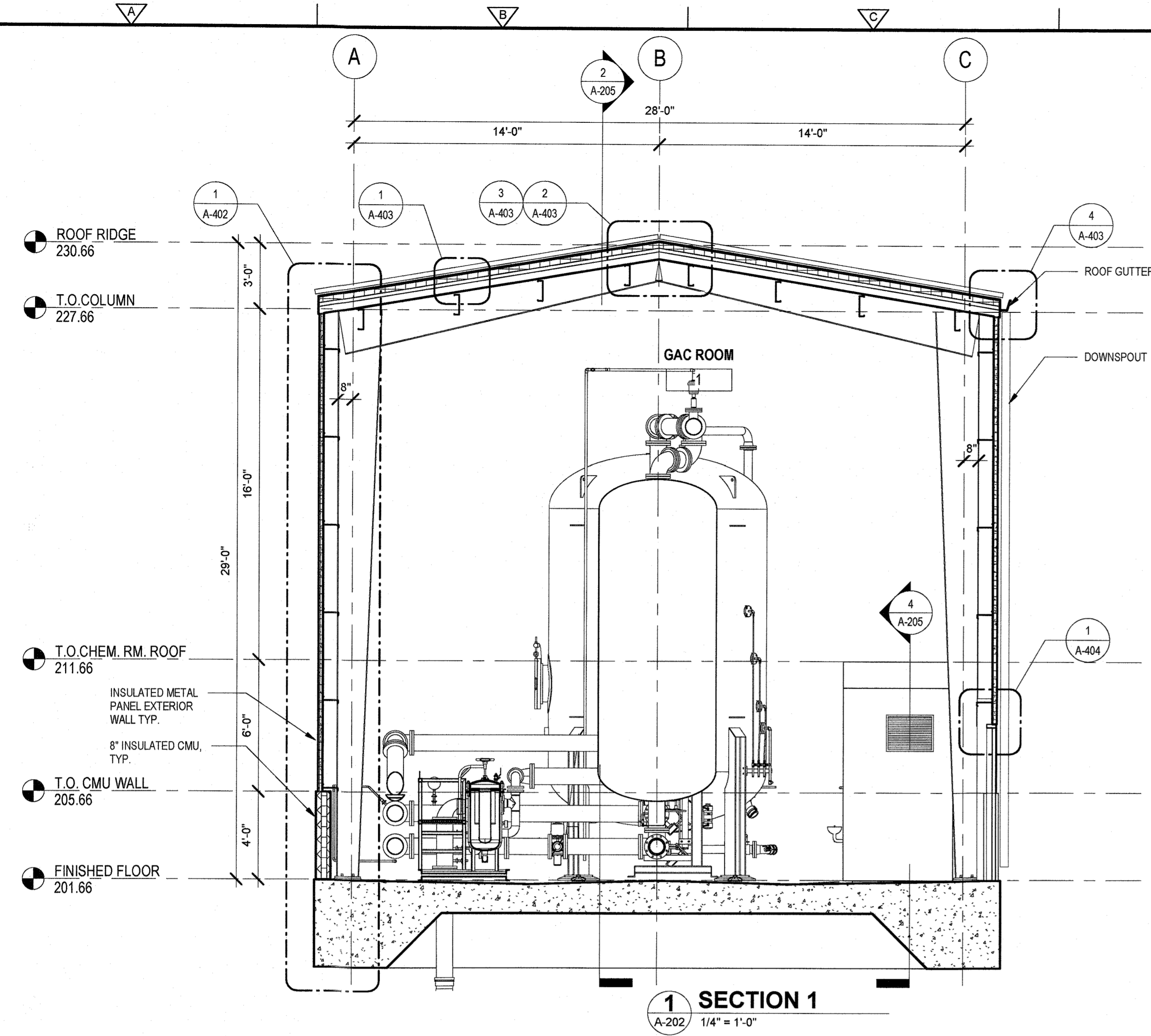
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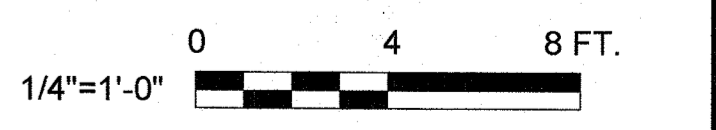
ARCHITECTURAL
BUILDING ELEVATIONS
 TAPPAN

PROJECT NO. 250917-257061
 FILE NAME:
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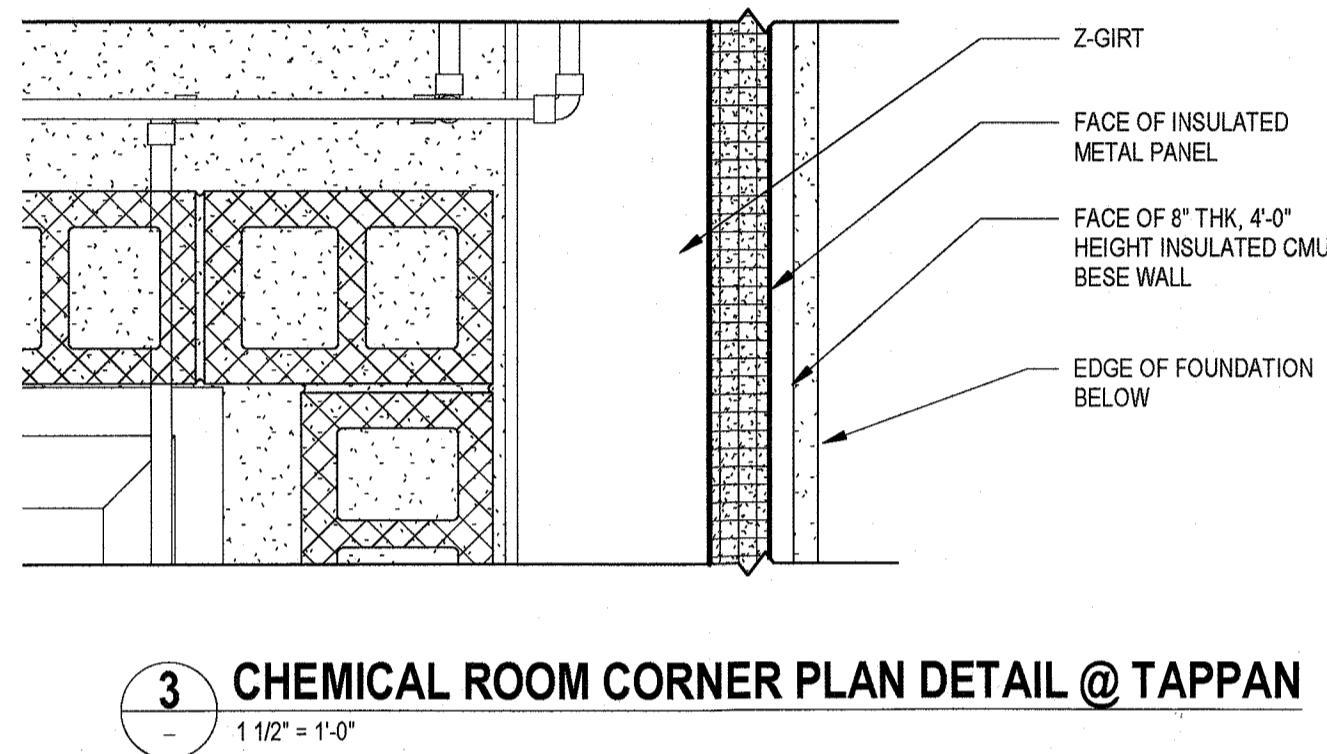
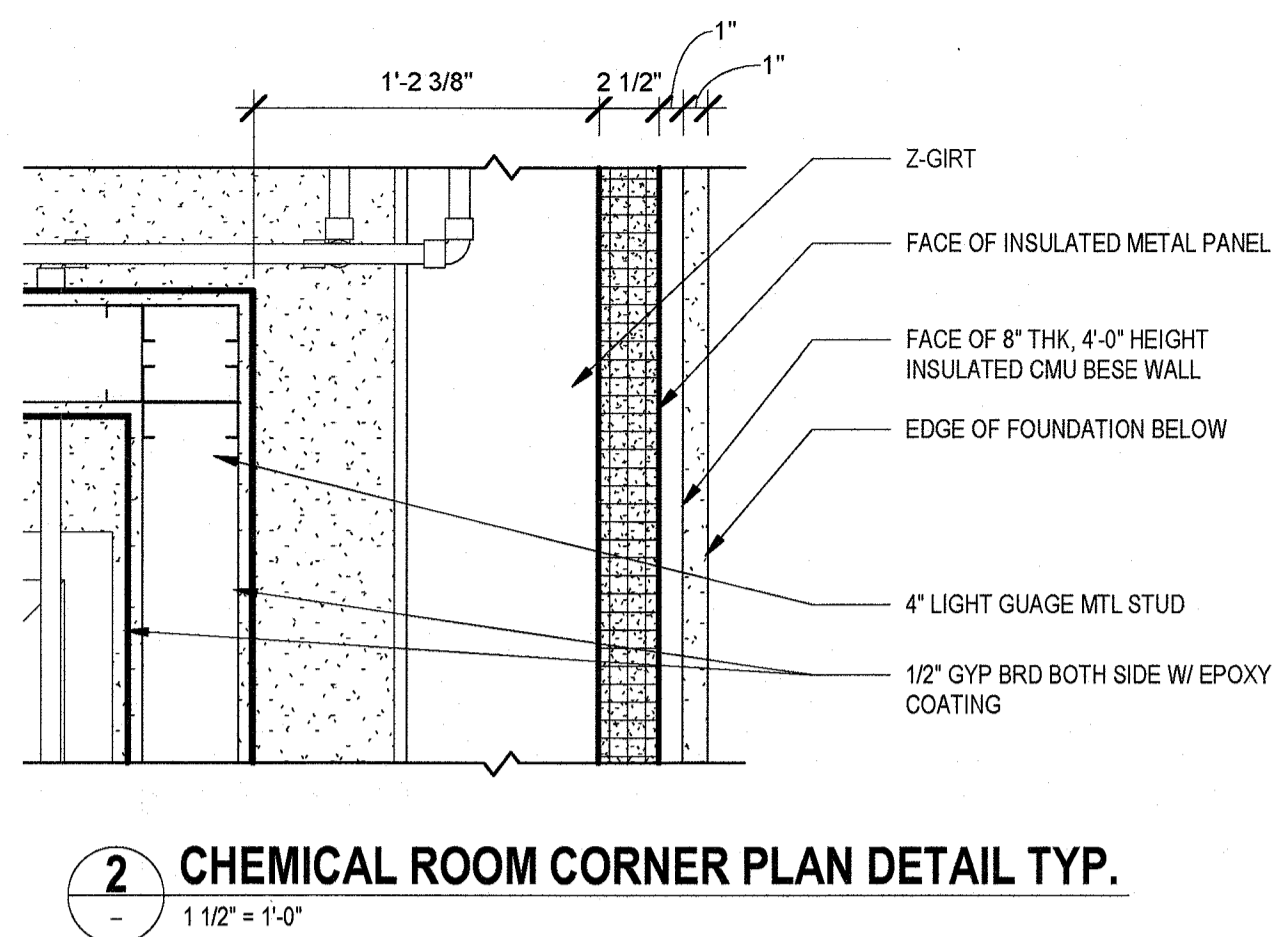
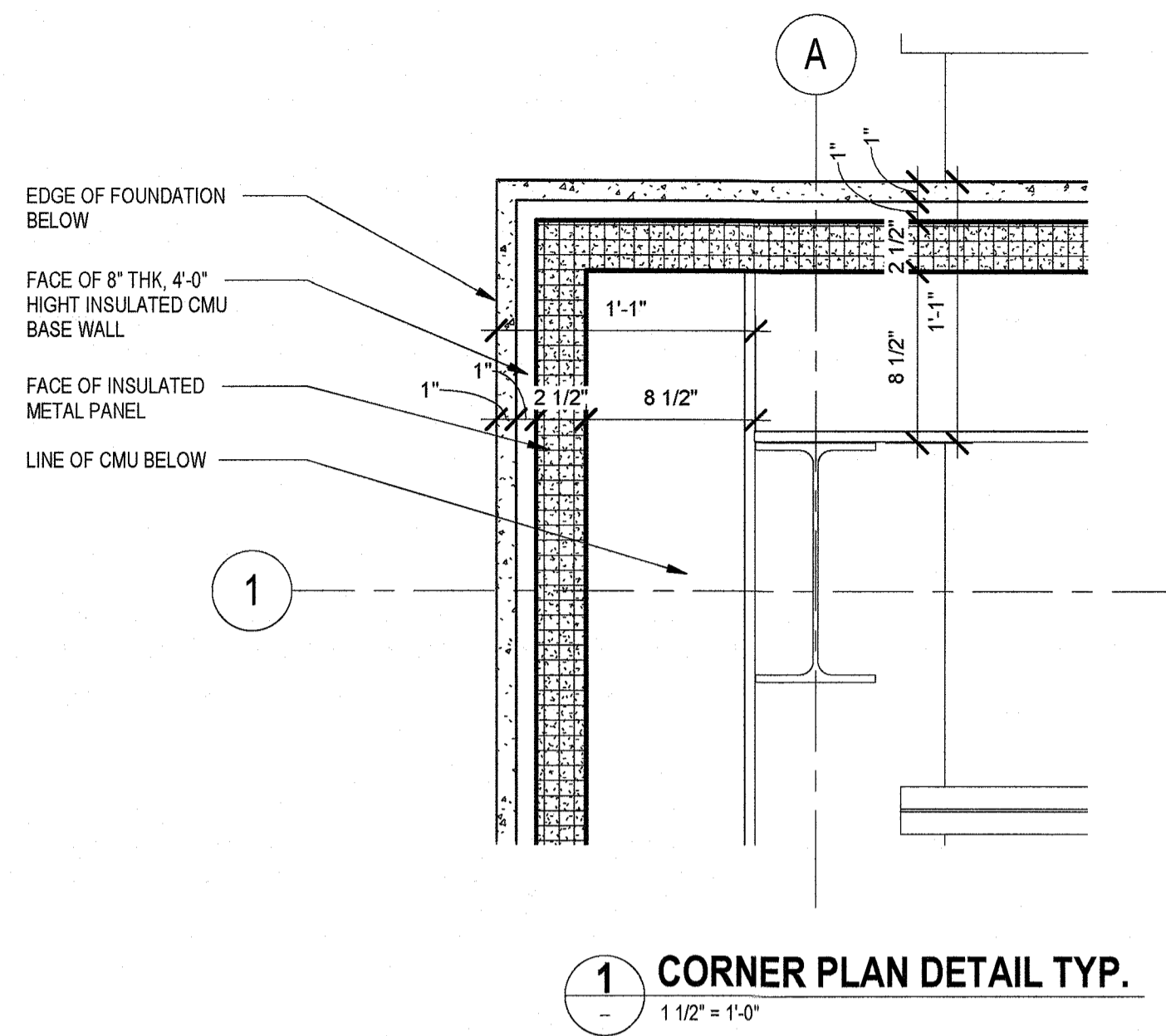
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 AGREEMENT NO. 15806

ARCHITECTURAL
BUILDING SECTION
 TAPPAN

PROJECT NO. 250917-257061
 FILE NAME:
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A-205

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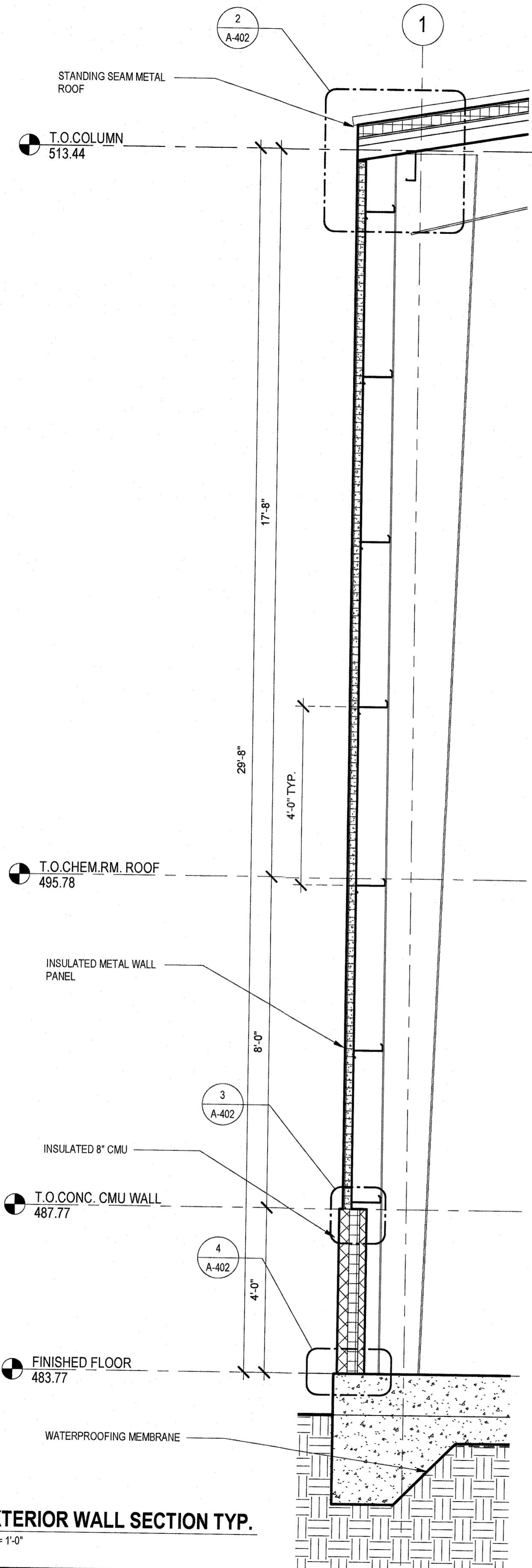
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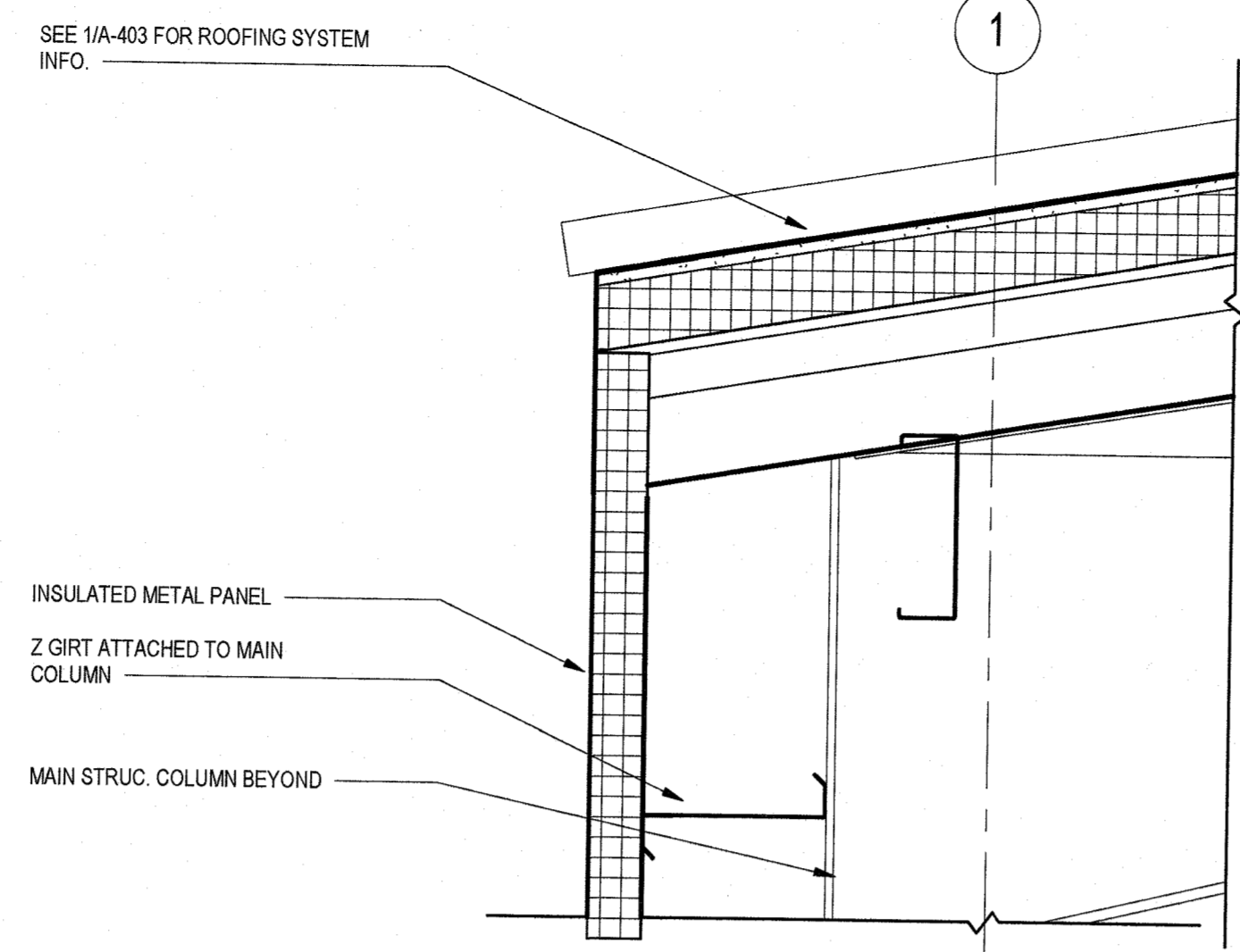
ARCHITECTURAL
DETAILS 1

PROJECT NO. 250917-257061
FILE NAME:
SHEET NO.
A-401

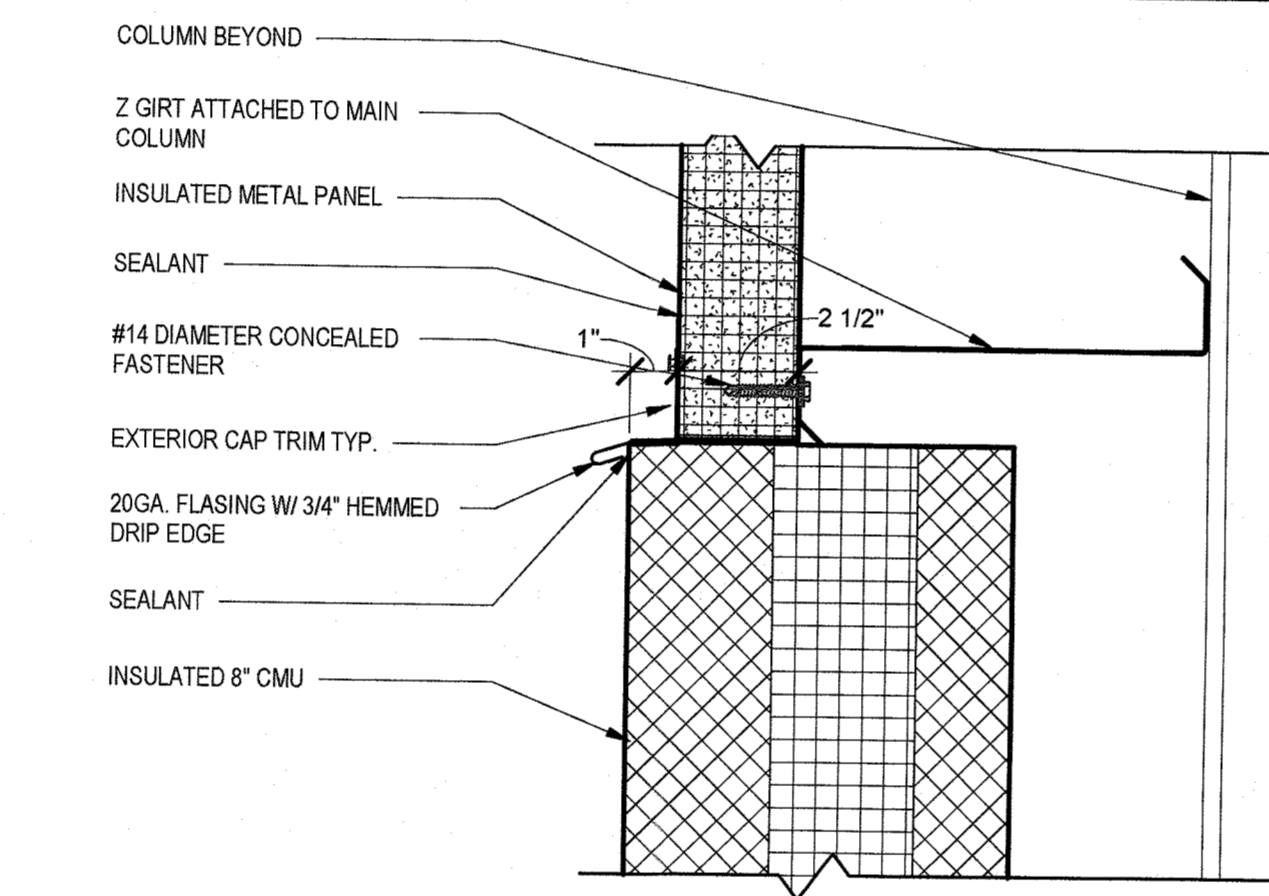
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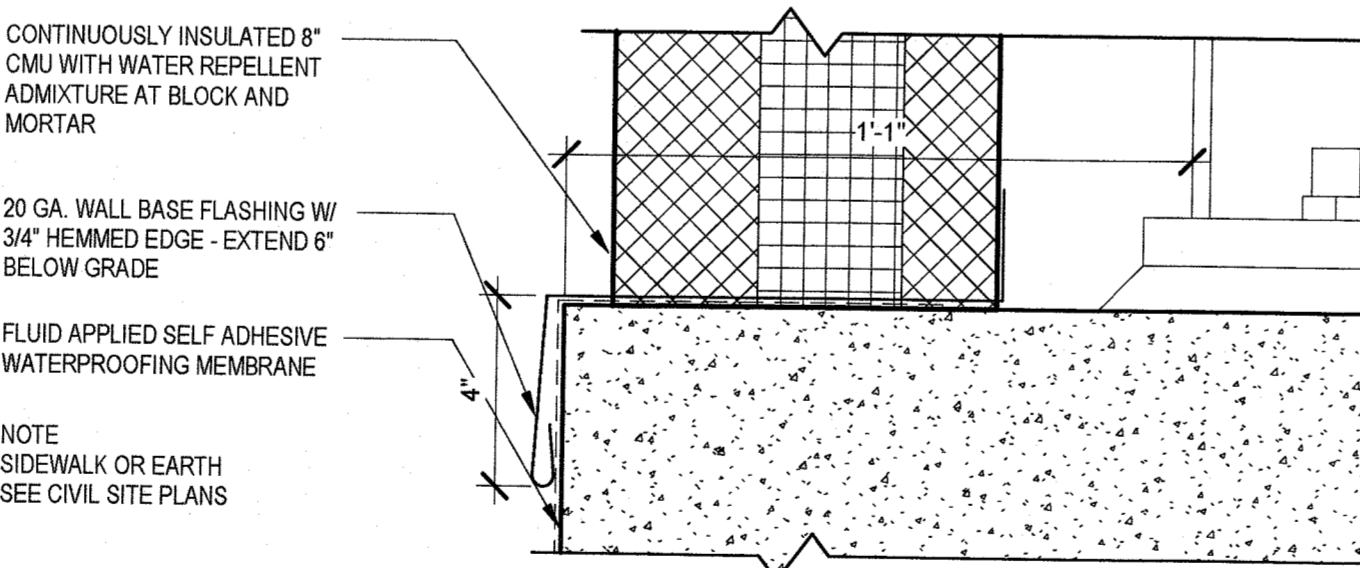
1 EXTERIOR WALL SECTION TYP.
1/2" = 1'-0"



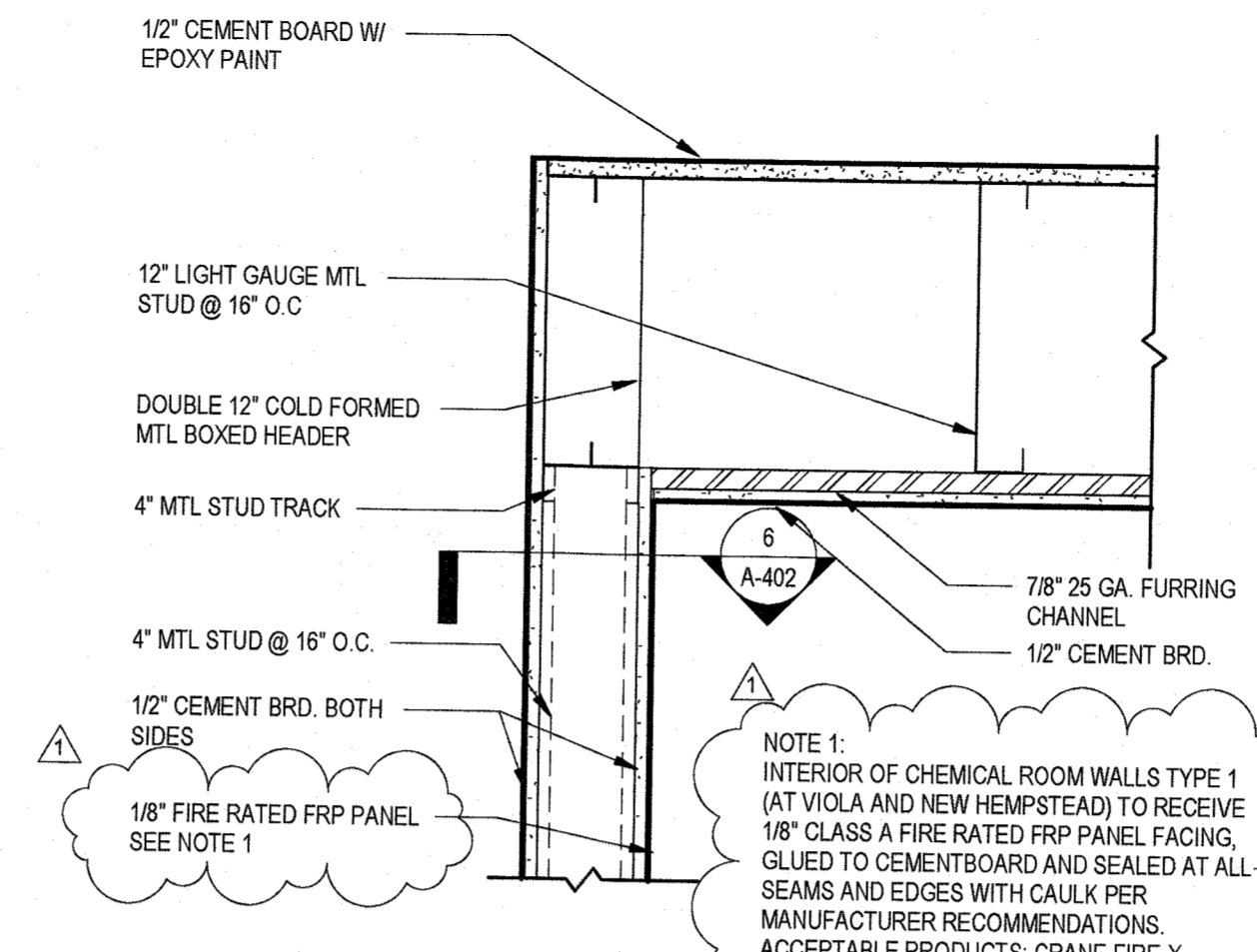
2 EXTERIOR WALL TYP. - Callout 3
1 1/2" = 1'-0"



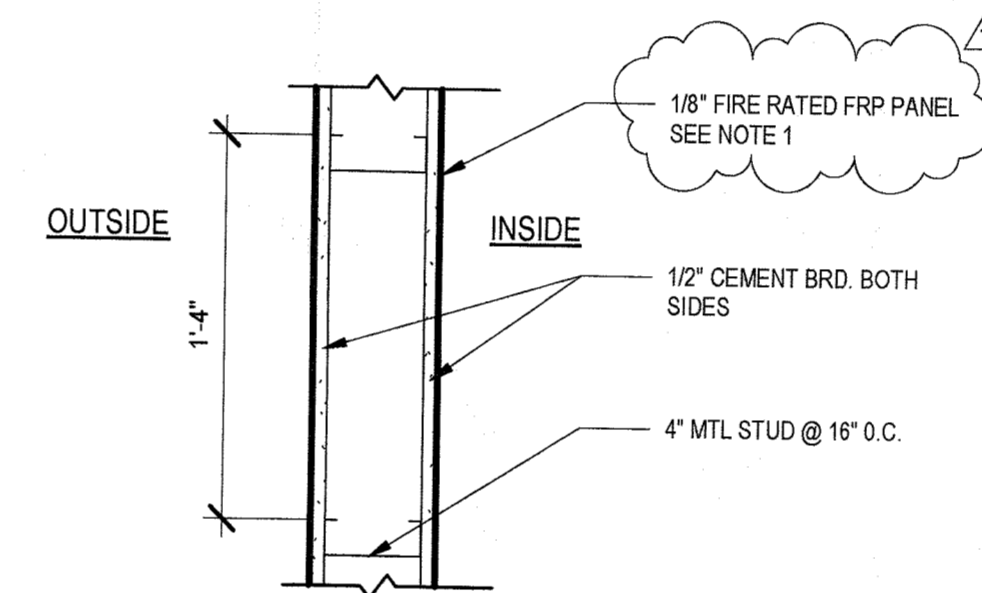
3 EXTERIOR WALL TYP. - Callout 1
3" = 1'-0"



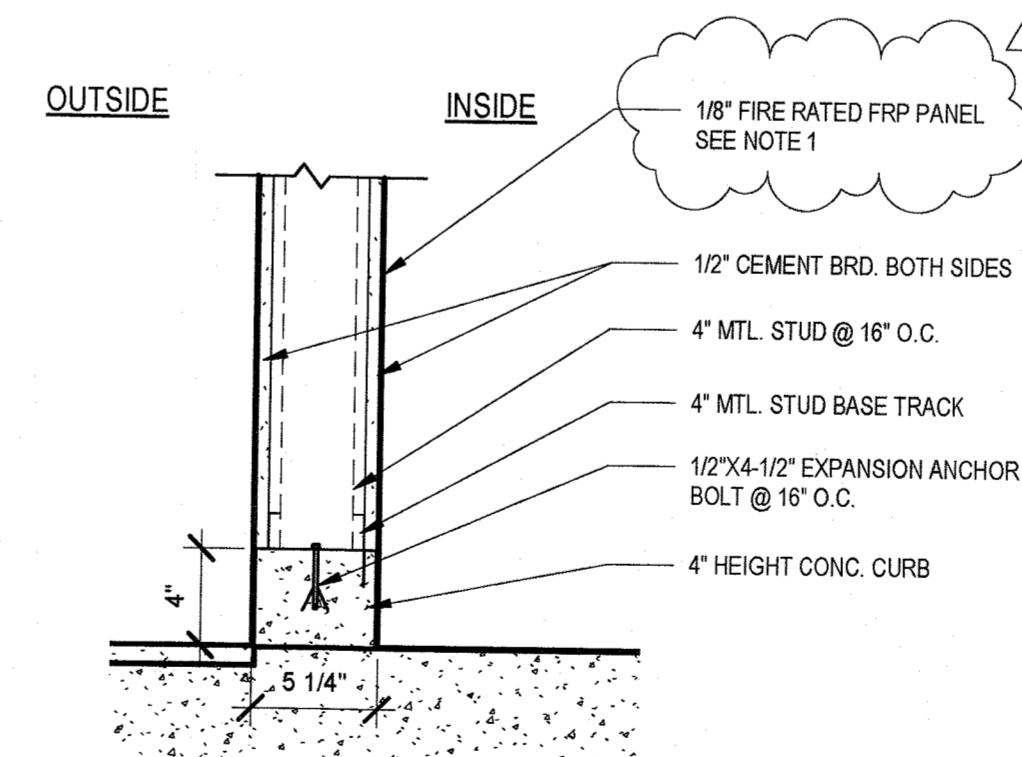
4 EXTERIOR WALL TYP. - Callout 2
3" = 1'-0"



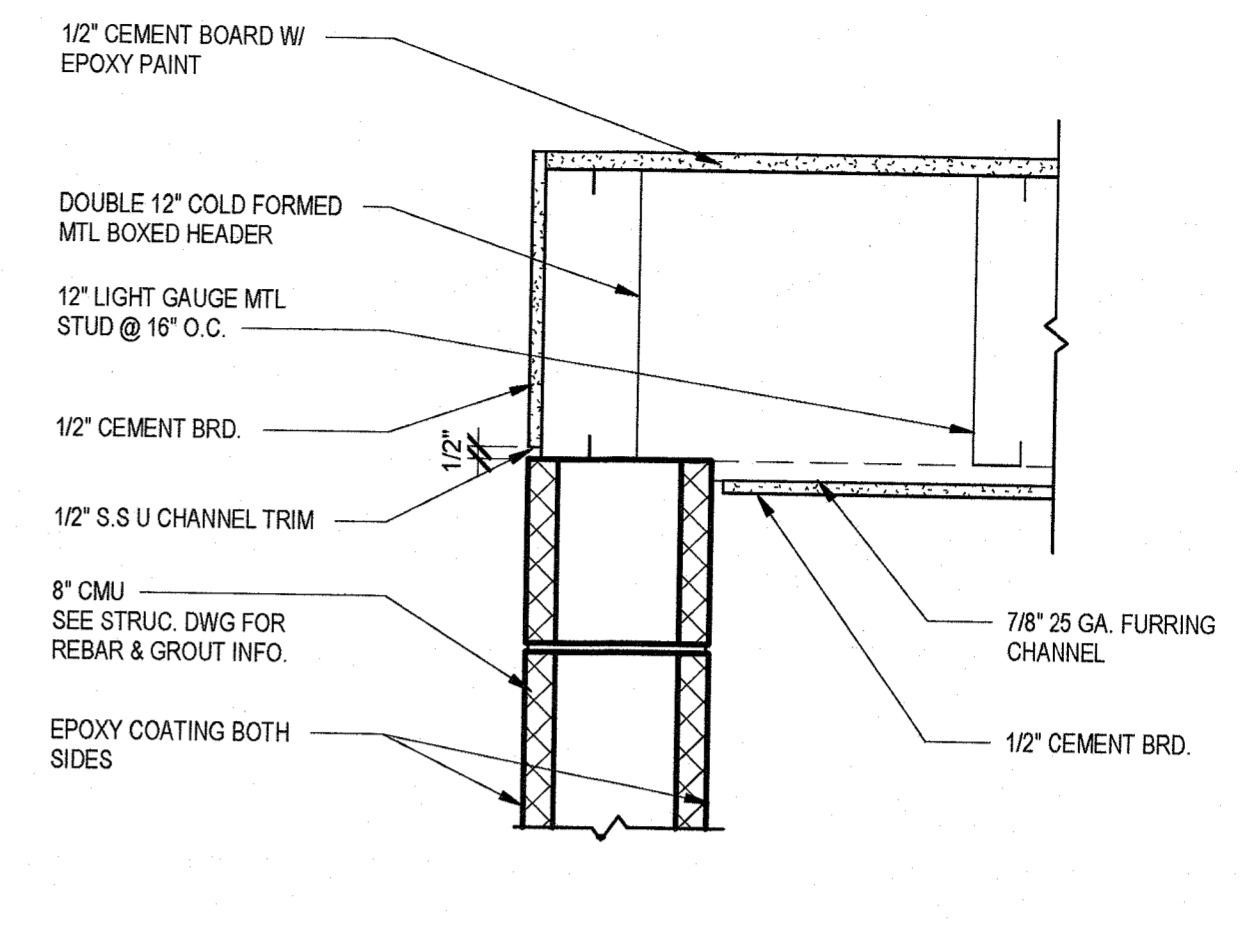
5 CHEMICAL RM. WALL TYPE 1 HEAD & ROOF DETAIL
1 1/2" = 1'-0"



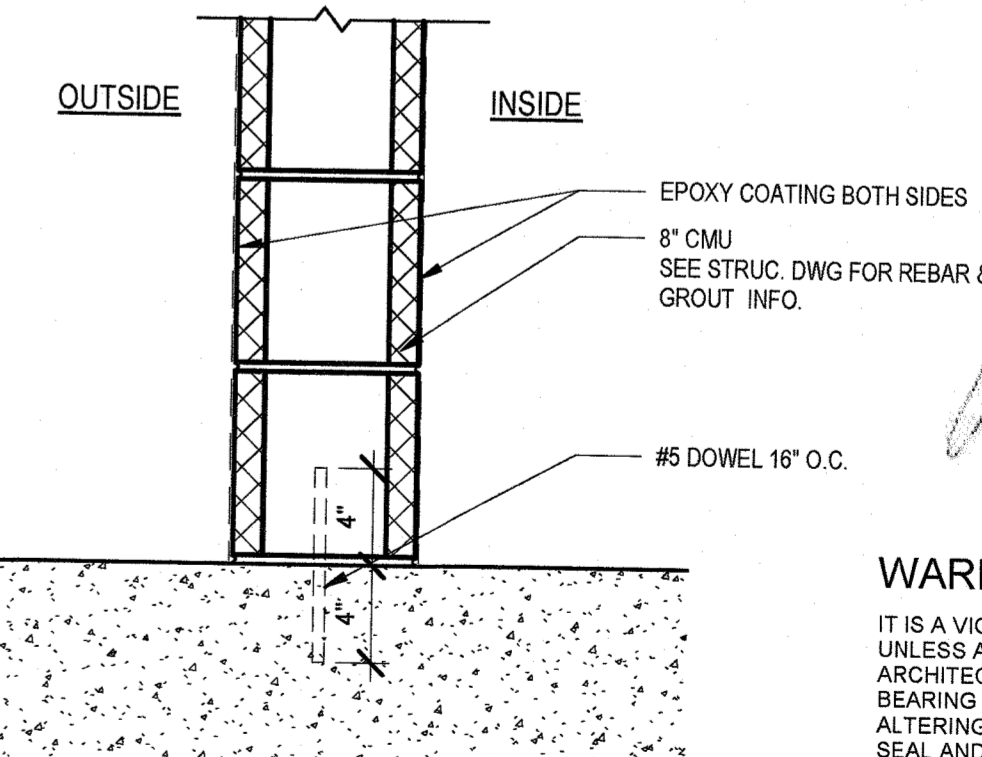
6 CHEMICAL RM. WALL TYPE 1 PLAN DETAIL
1 1/2" = 1'-0"



7 CHEMICAL RM. WALL TYPE 1 SILL DETAIL
1 1/2" = 1'-0"



8 CHEMICAL RM. WALL TYPE 2 HEAD & ROOF DETAIL
1 1/2" = 1'-0"



10 CHEMICAL RM. WALL TYPE 2 SILL DETAIL
1 1/2" = 1'-0"



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REV. NO.	DATE	DRWN	CHKD	REMARKS
12/21	JL	KS		REVISE DRAWING PER 90% COMMENTS

DESIGNED BY: JL
 DRAWN BY: HK
 SHEET CHK'D BY: JL
 CROSS CHK'D BY: PC
 APPROVED BY: KS
 DATE: SEP 2021

CDM Smith

Camp Dresser McKee & Smith
 11 British American Boulevard, Airport Park, Suite 200
 Latam, NY 12130
 Tel: (518) 782-4500

MACAN DEVE

SUEZ WATER NEW YORK INC.
 WEST NYACK, NY

**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**

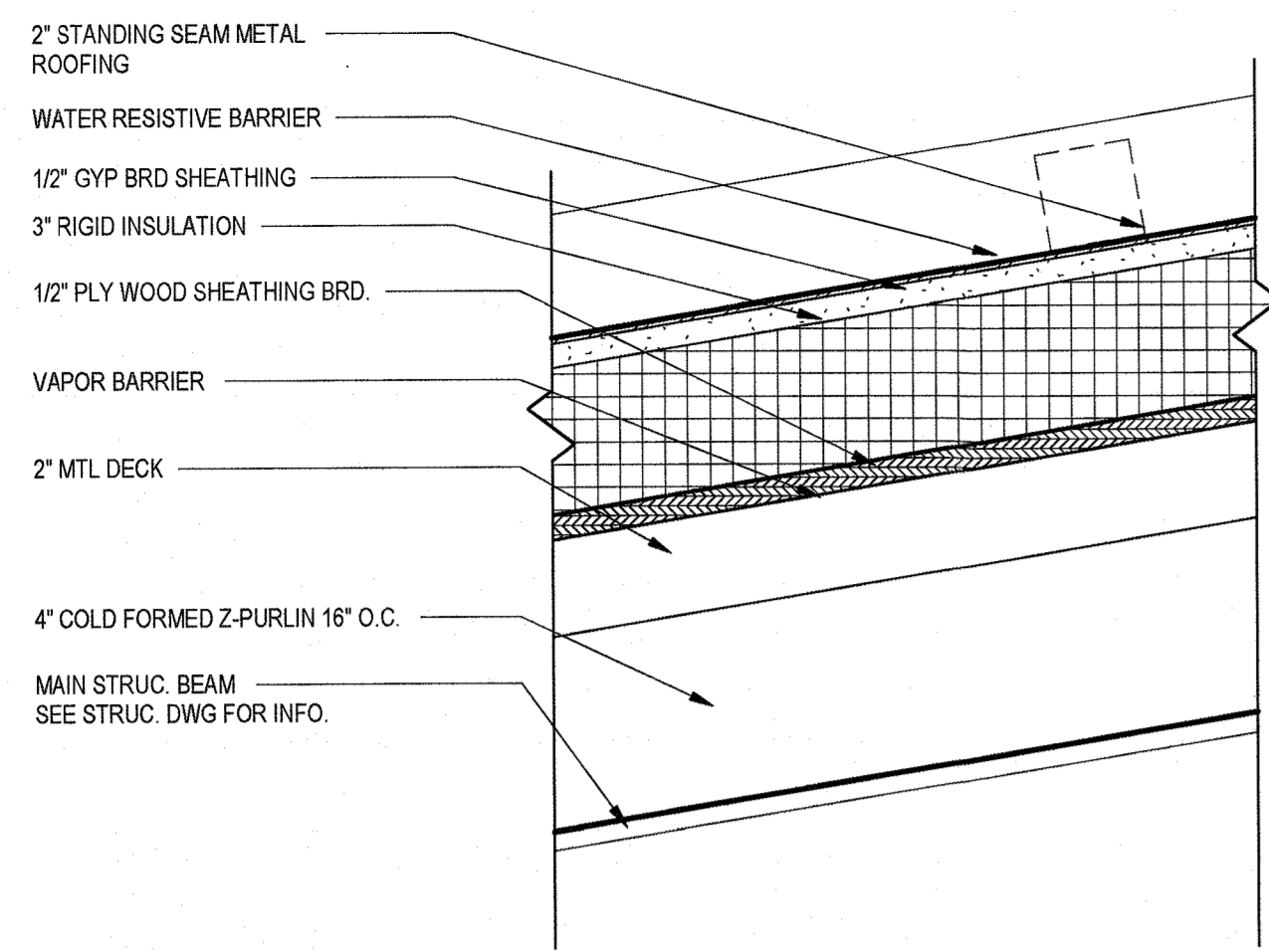
AGREEMENT NO. 15806

ARCHITECTURAL
 DETAILS 2

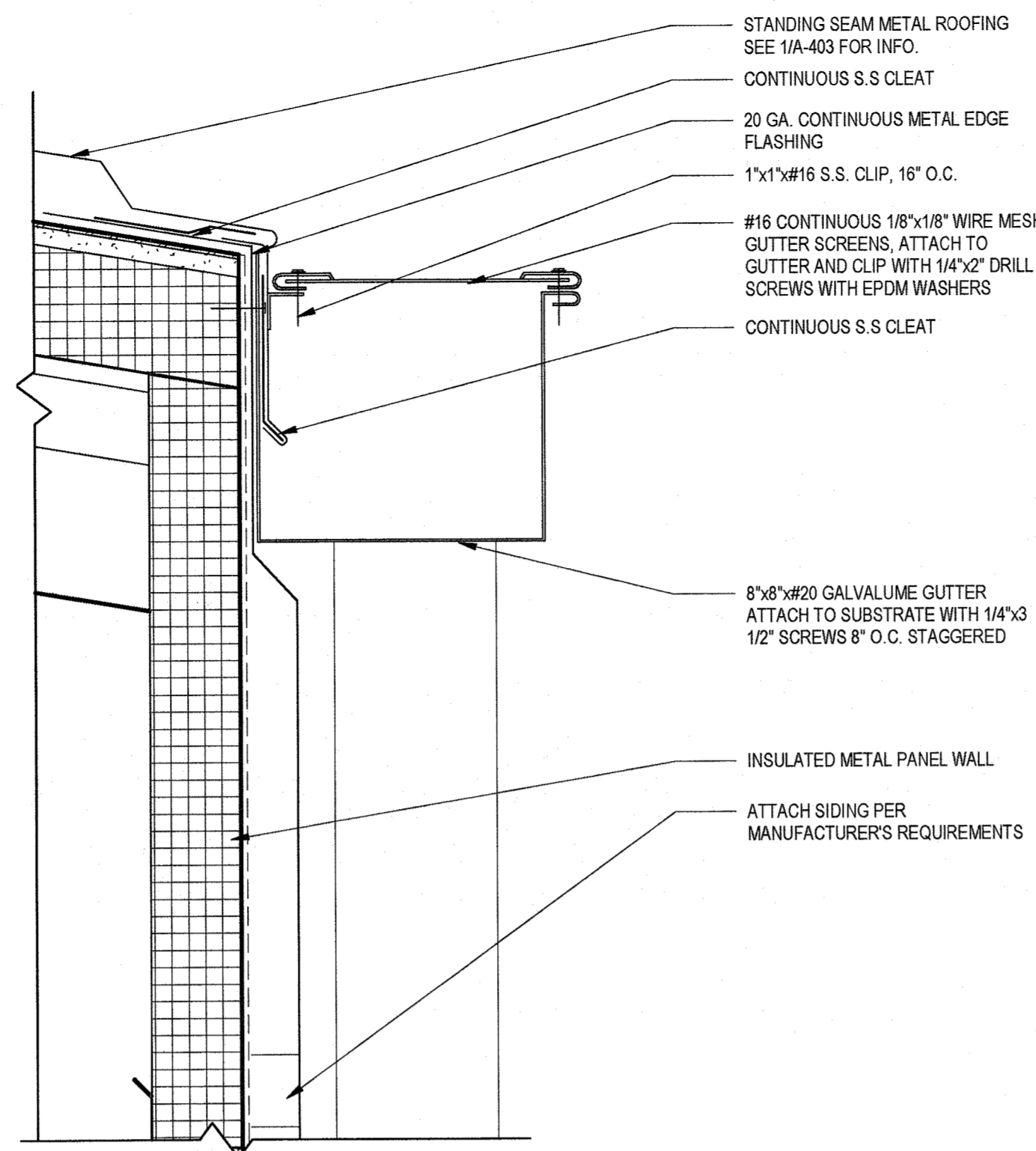
PROJECT NO. 250917-257081
 FILE NAME:

SHEET NO.
A-402

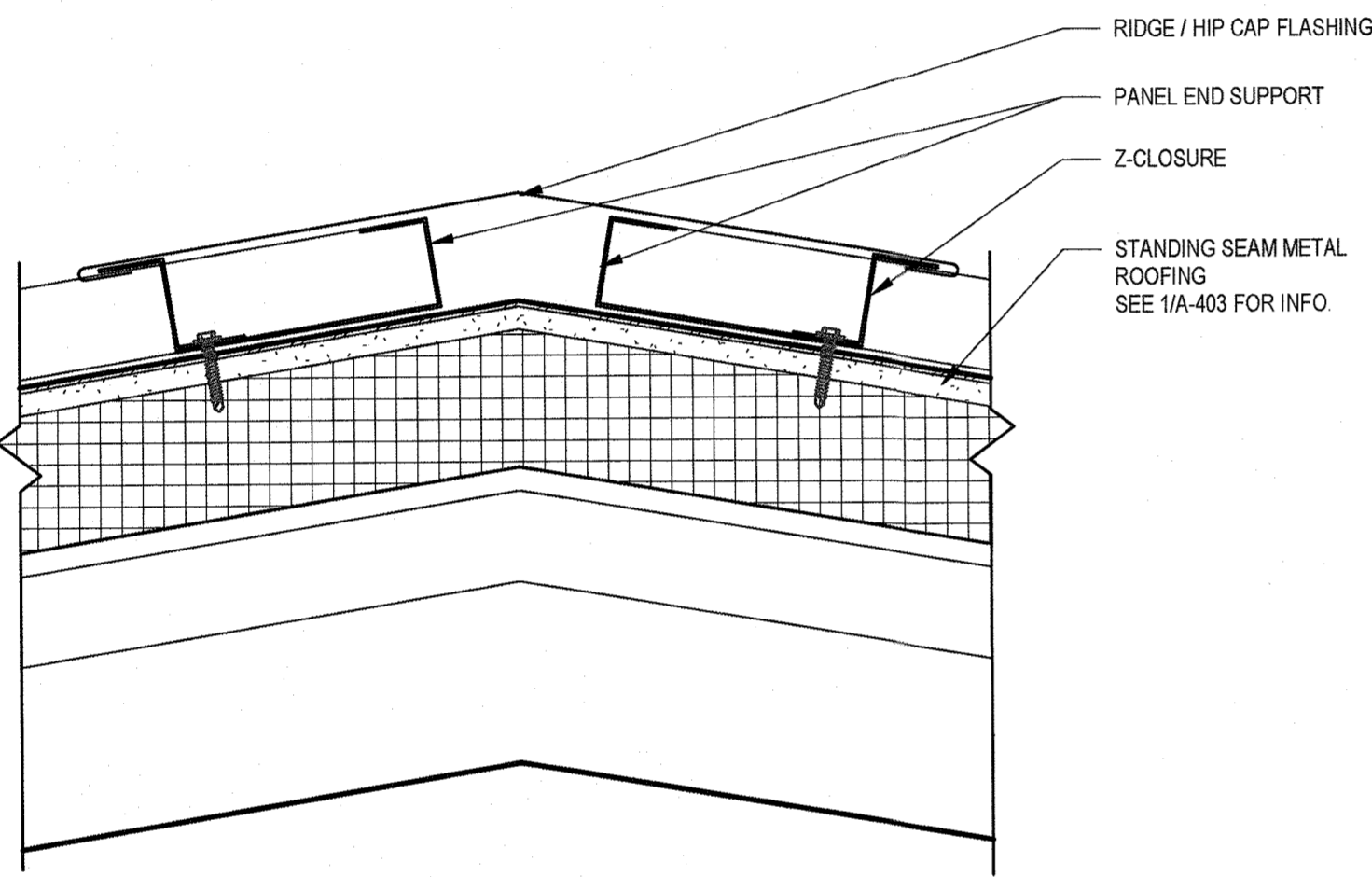
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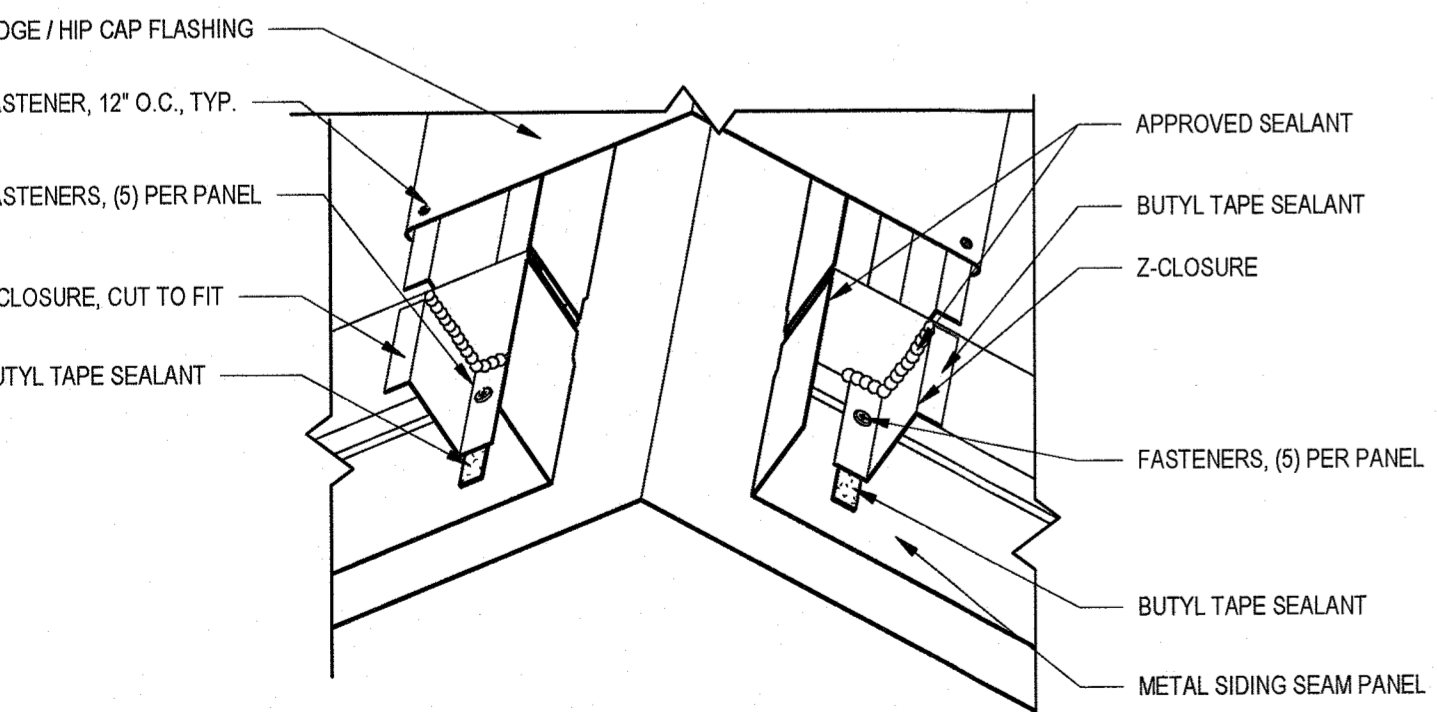
1 TYPICAL ROOF SYSTEM
3" = 1'-0"



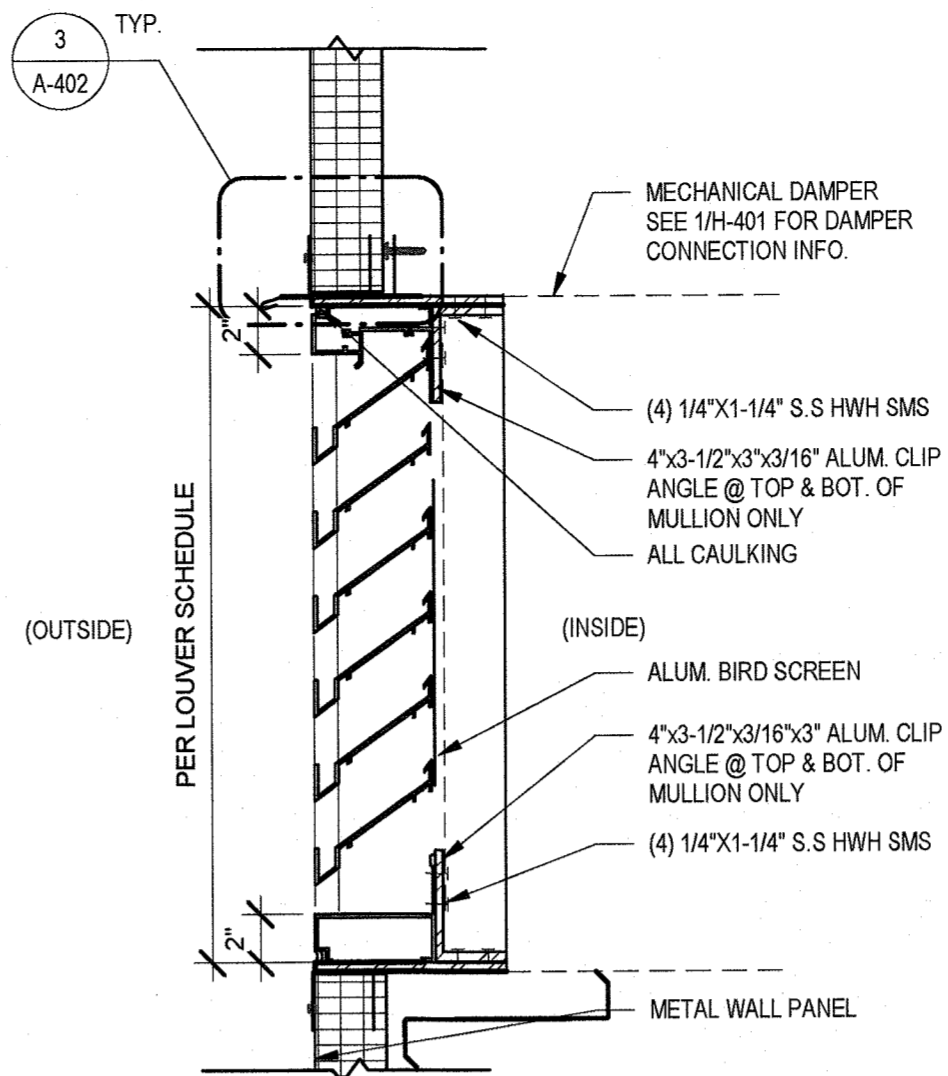
4 ROOF GUTTER DETAIL TYP.
3" = 1'-0"



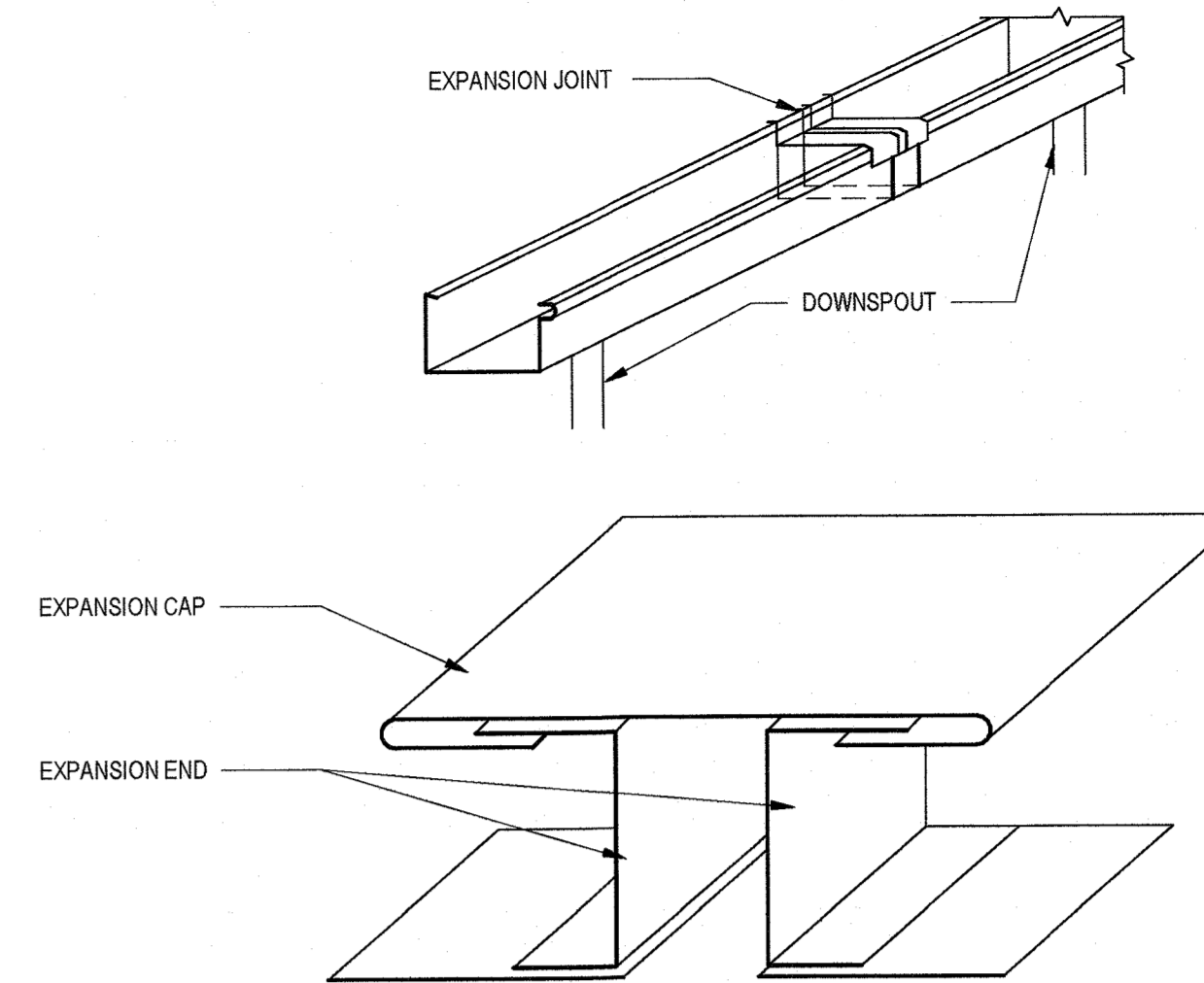
2 ROOF RIDGE DETAIL TYP.
3" = 1'-0"



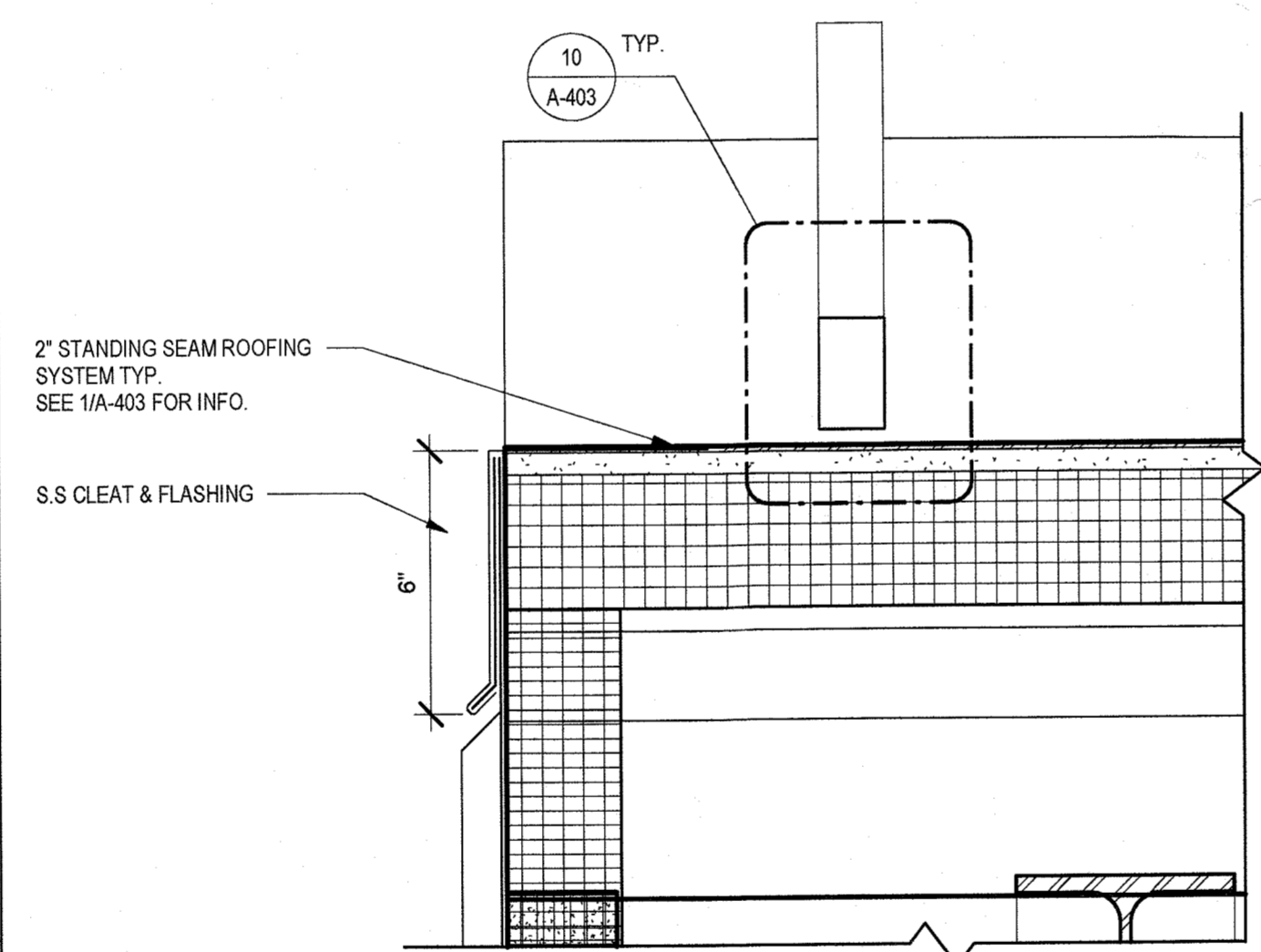
3 HIP ROOF RIDGE DETAIL TYP.
3" = 1'-0"



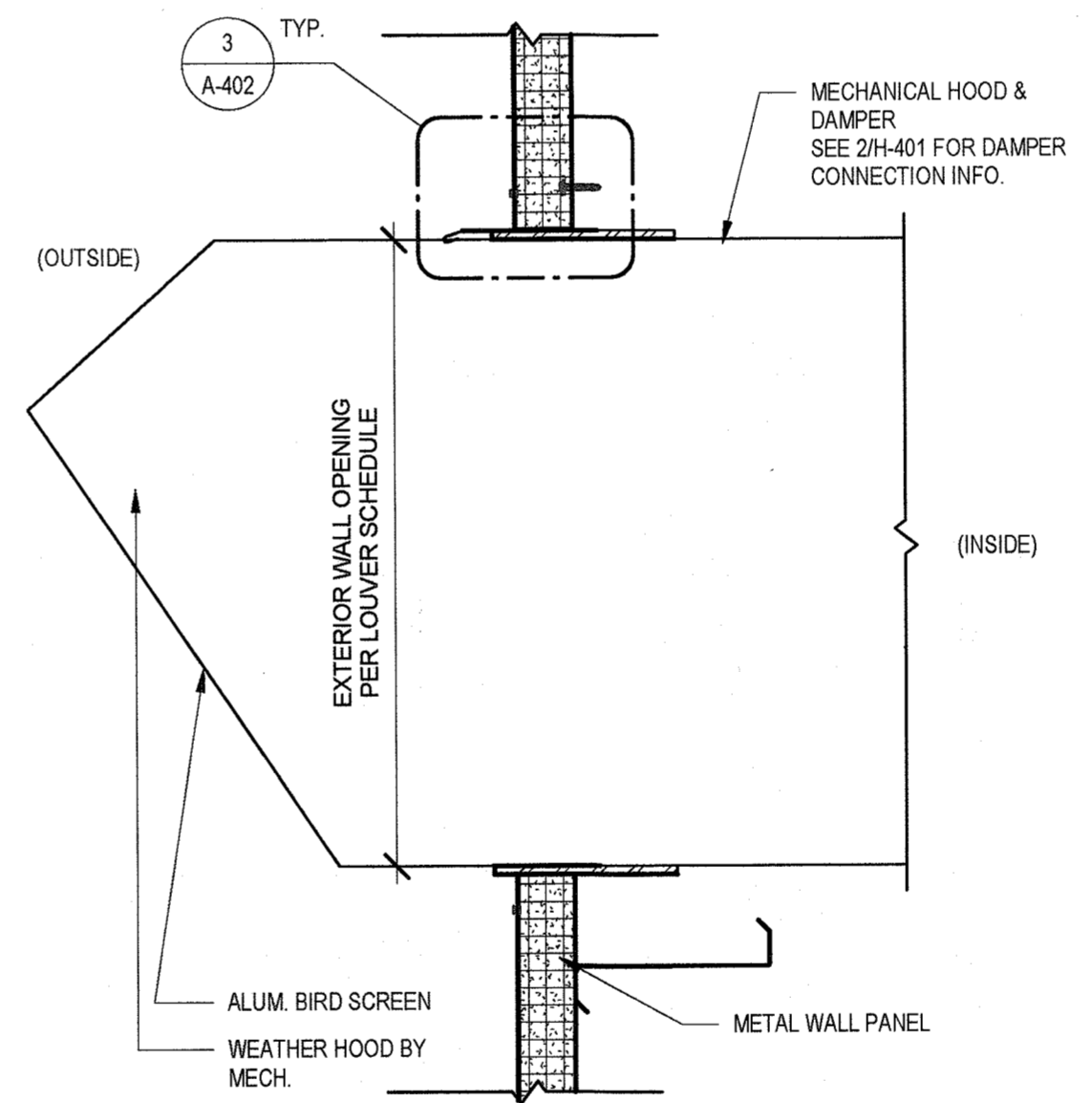
6 INTAKE LOUVER - HEAD & JAMB
1 1/2" = 1'-0"



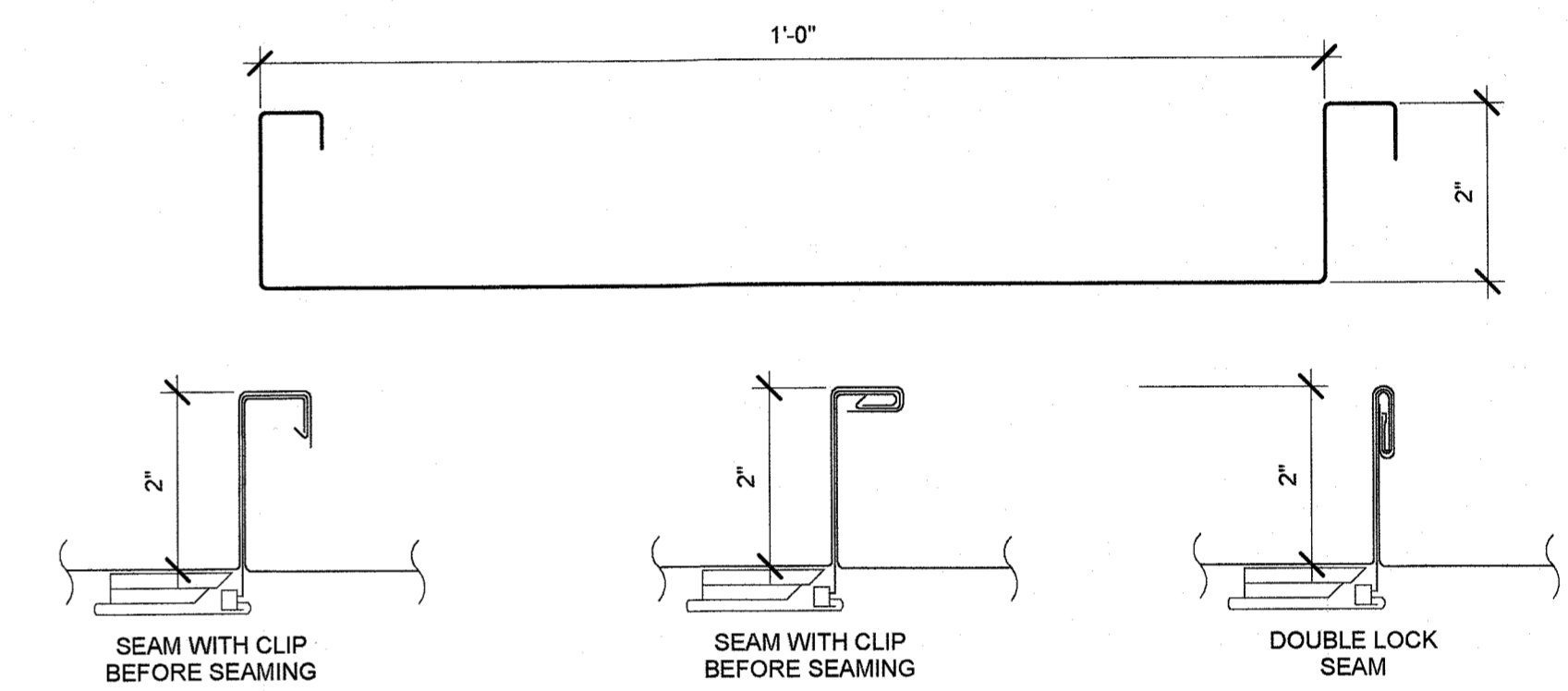
8 TYPICAL GUTTER EXPANSION JOINT DETAILS
1 1/2" = 1'-0"



5 ROOF END DETAIL TYP.
3" = 1'-0"



7 EXHAUST LOUVER - HEAD & JAMB
1 1/2" = 1'-0"



10 DEVELOPMENT OF STANDING SEAM ROOF DETAIL
6" = 1'-0"



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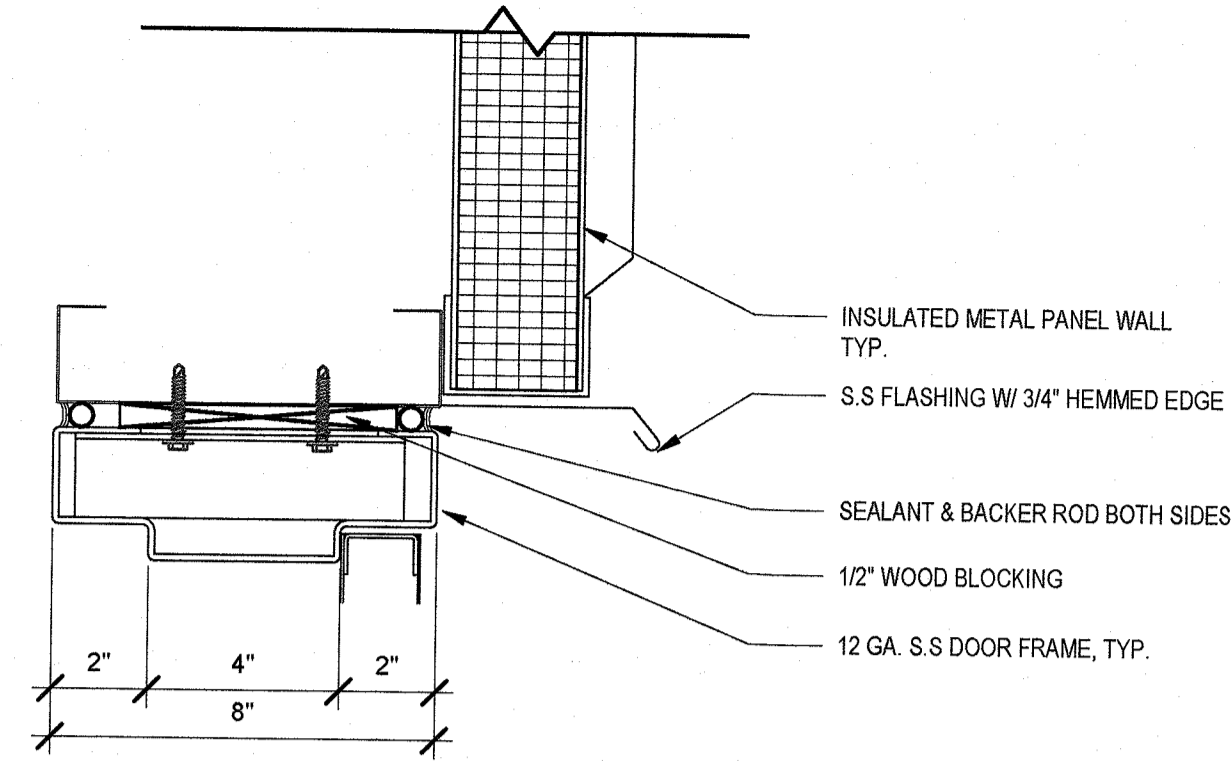
MACAN DEVE

SUEZ WATER NEW YORK INC.
 WEST NYACK, NY
 PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B
 AGREEMENT NO. 15806

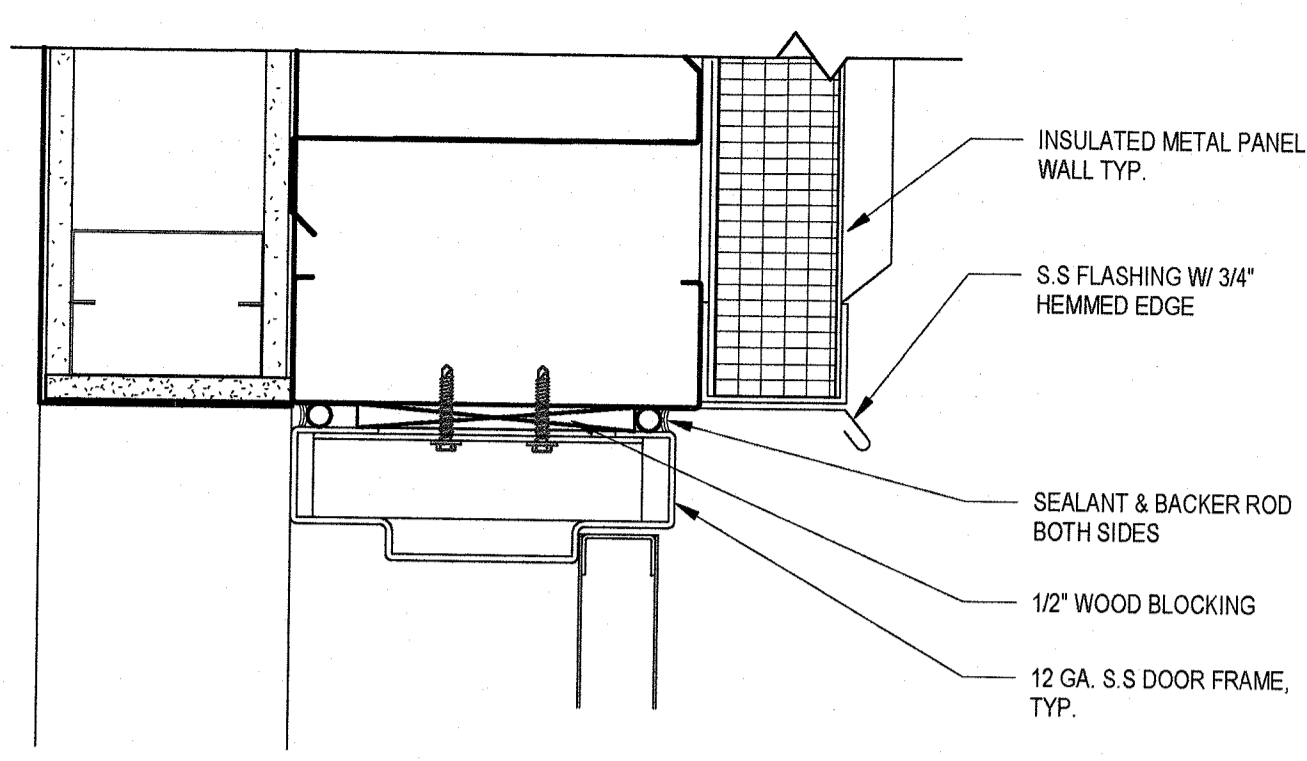
ARCHITECTURAL
 ROOF & WALL DETAILS
 GENERAL

PROJECT NO. 250917-257061
 FILE NAME:
 SHEET NO.
A-403

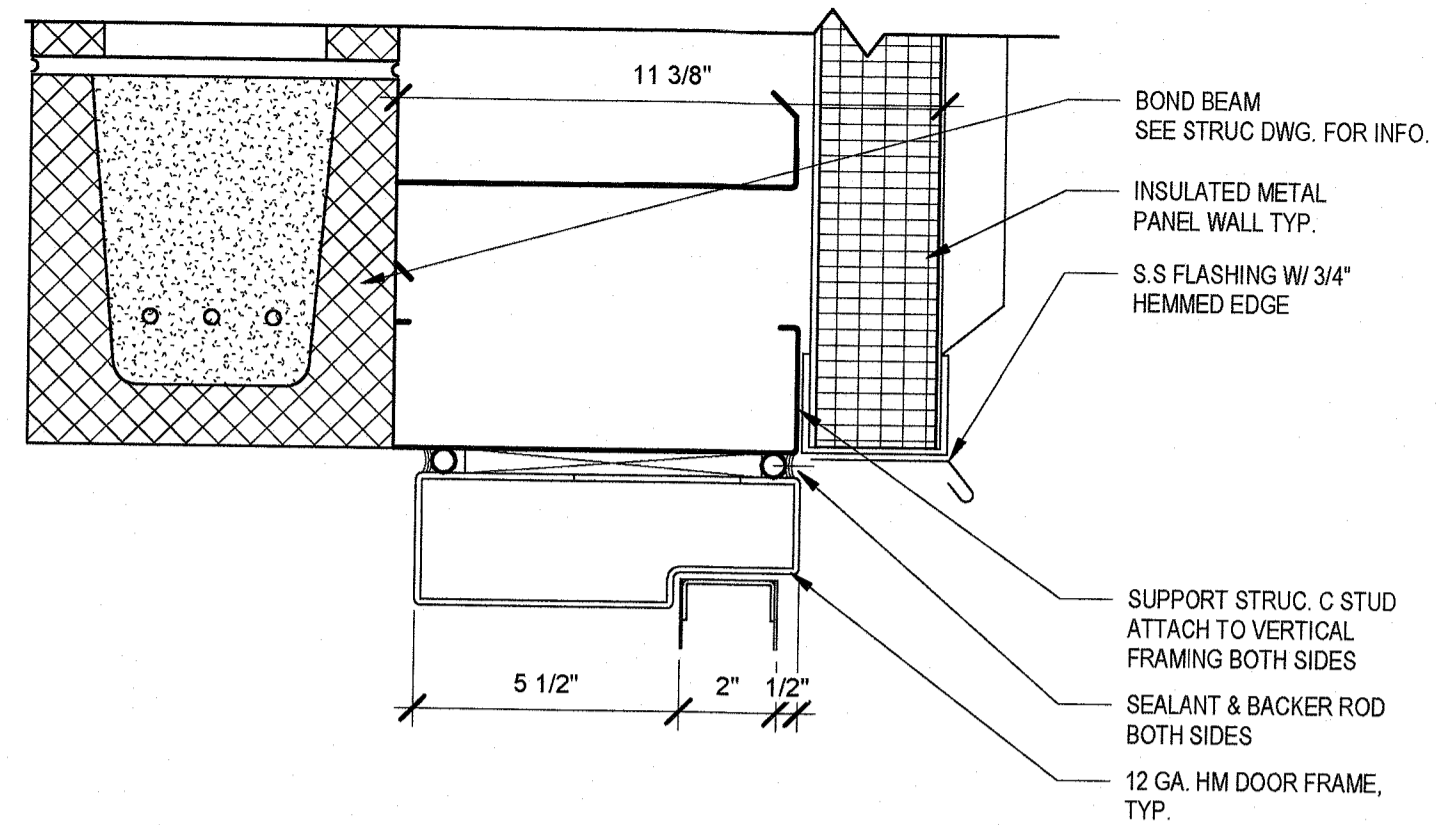
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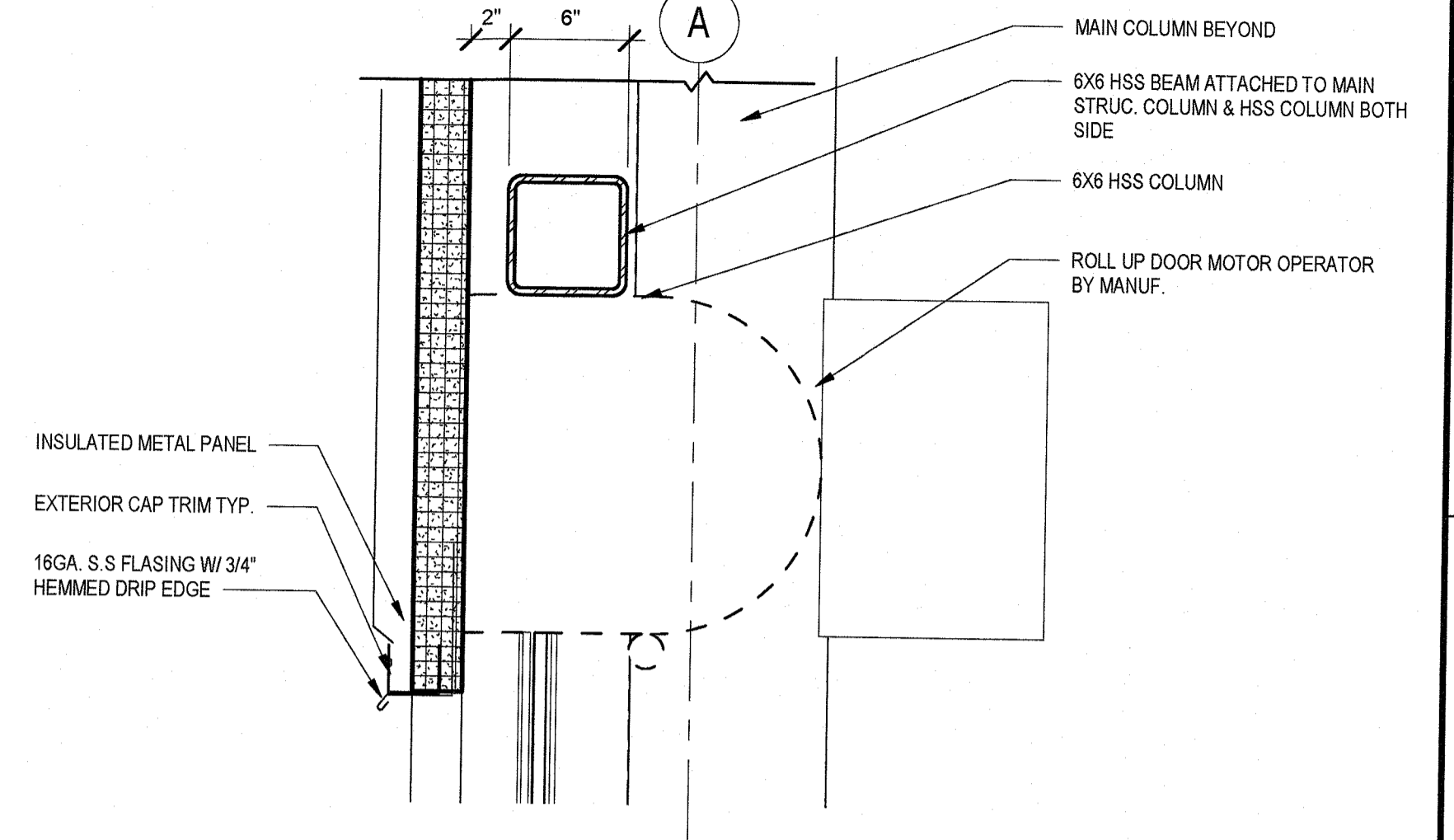
1 H1-EXTERIOR DOOR HEAD TYP.
3" = 1'-0"



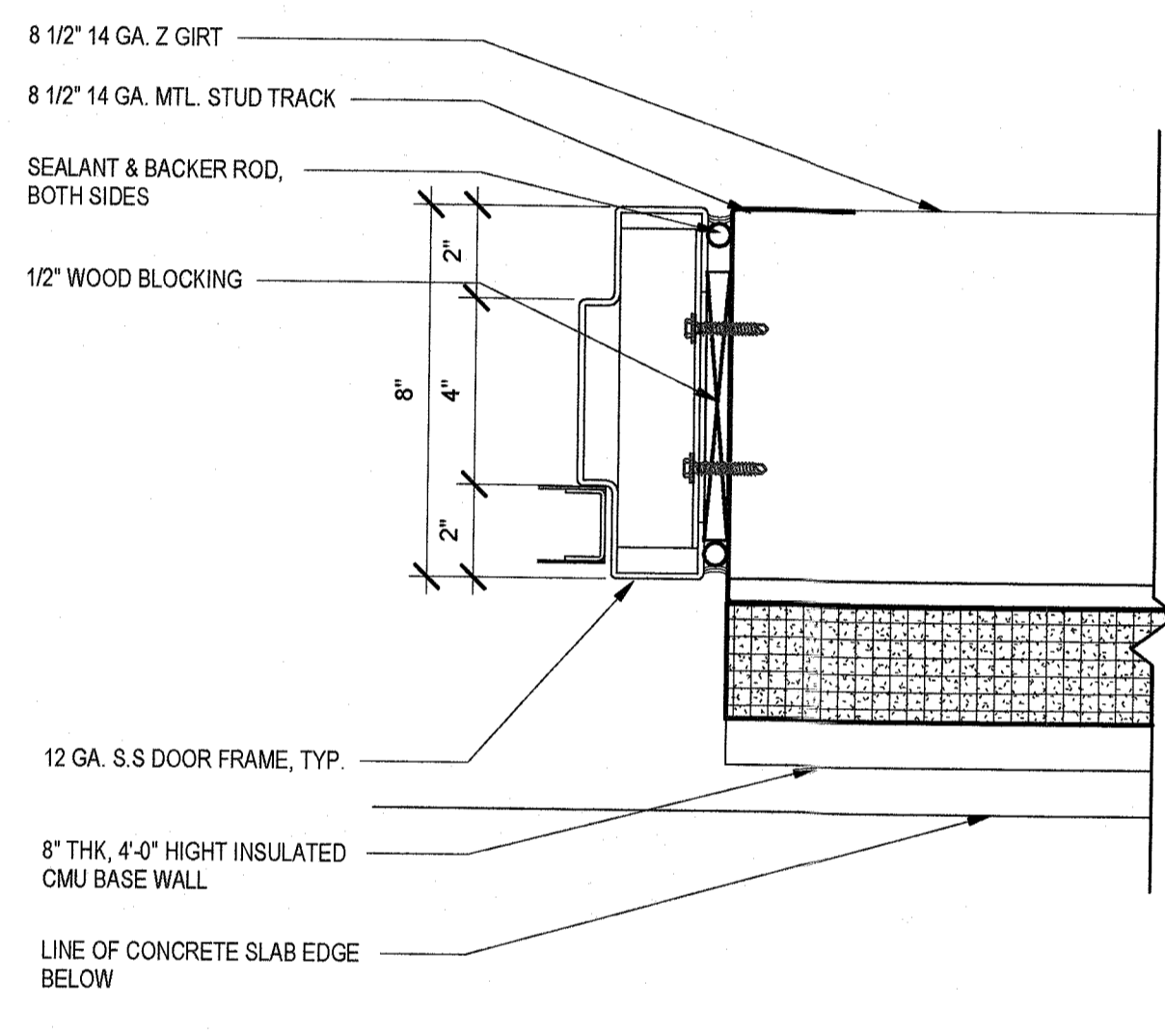
4 H2-CHEMICAL RM. DOOR HEAD
3" = 1'-0"



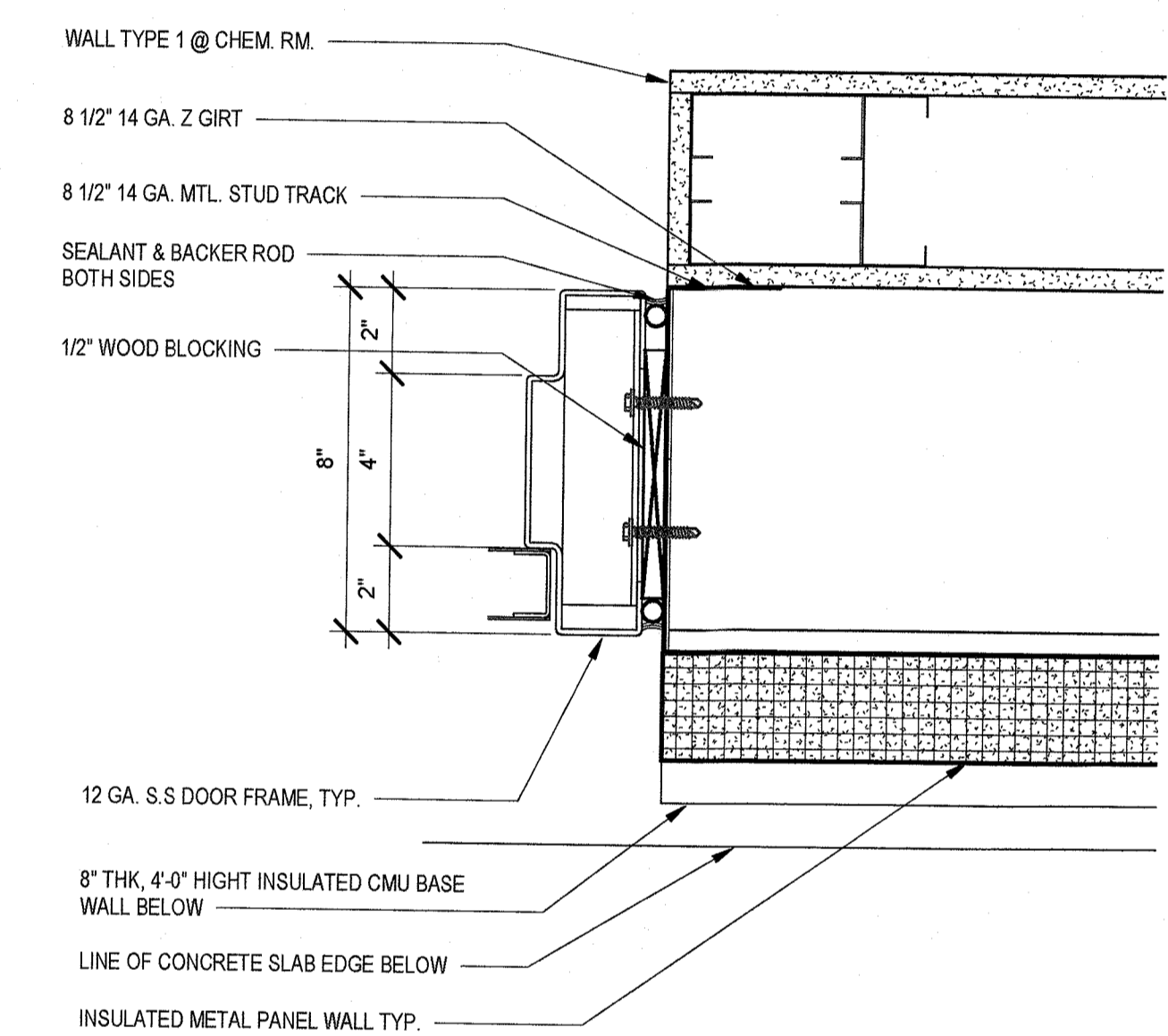
7 H3-CHEMICAL RM. DOOR HEAD @ TAPPAN
3" = 1'-0"



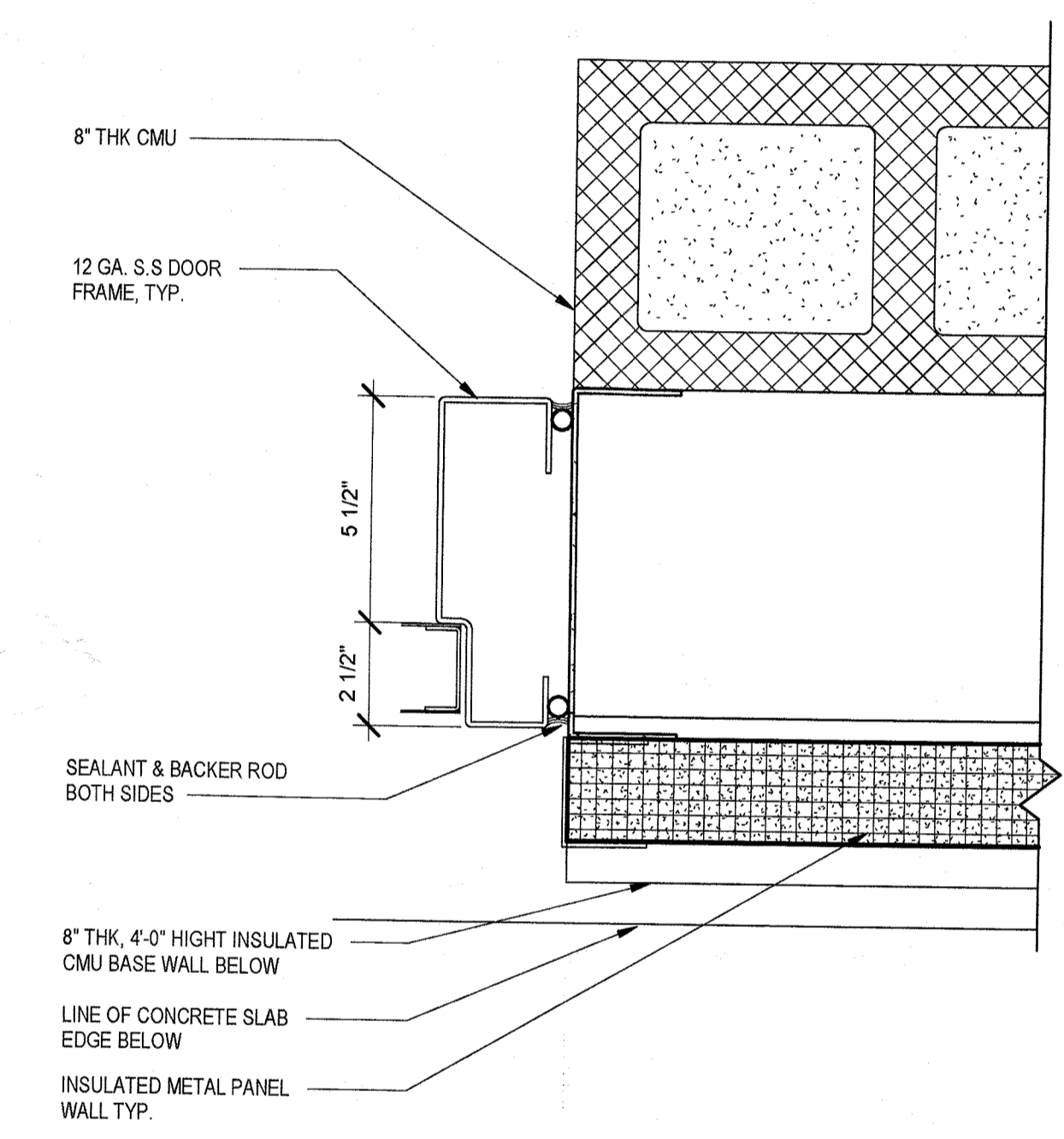
10 H4-ROLL UP DOOR HEAD DETAIL
1 1/2" = 1'-0"



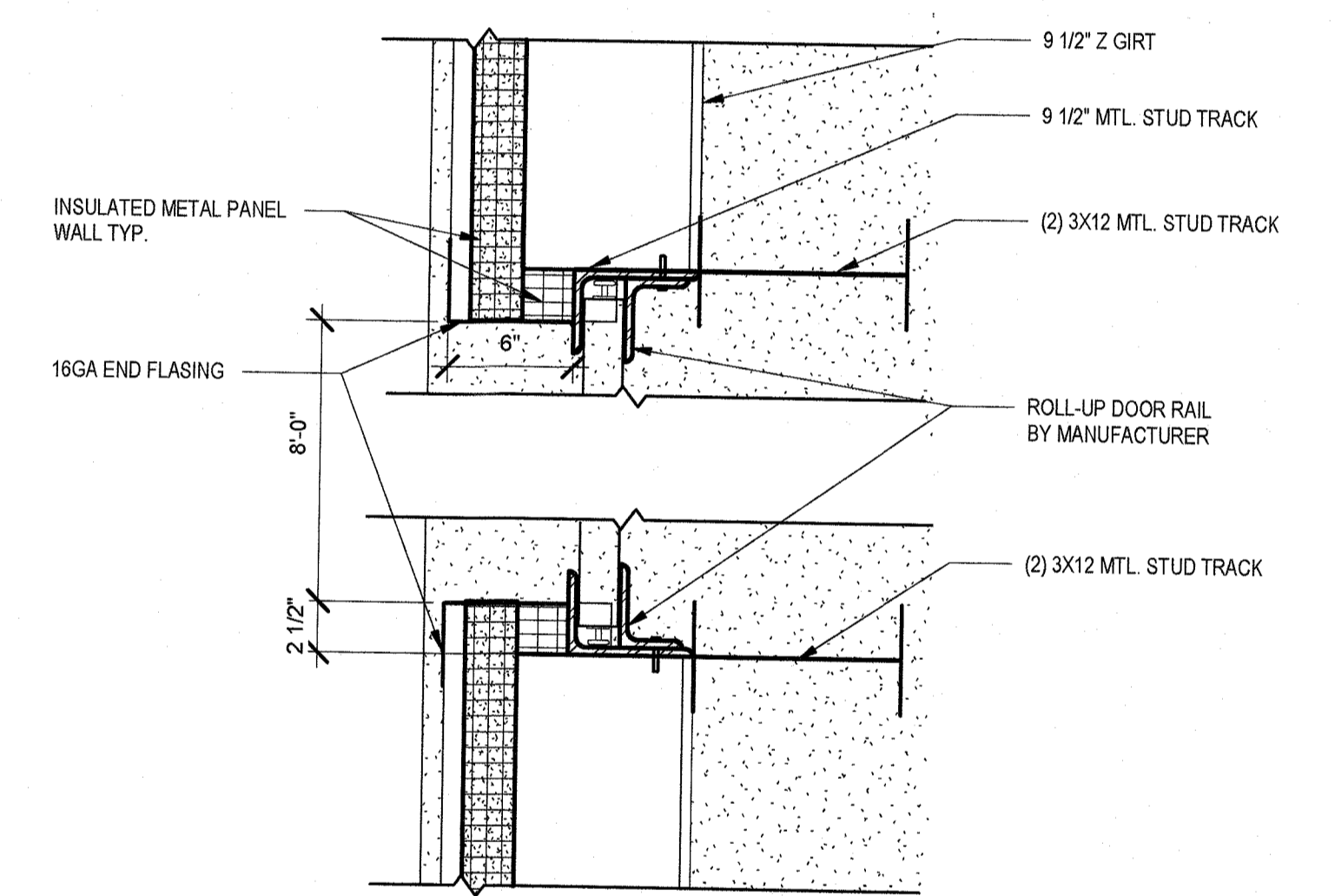
2 J1-EXTERIOR DOOR JAMB TYP.
3" = 1'-0"



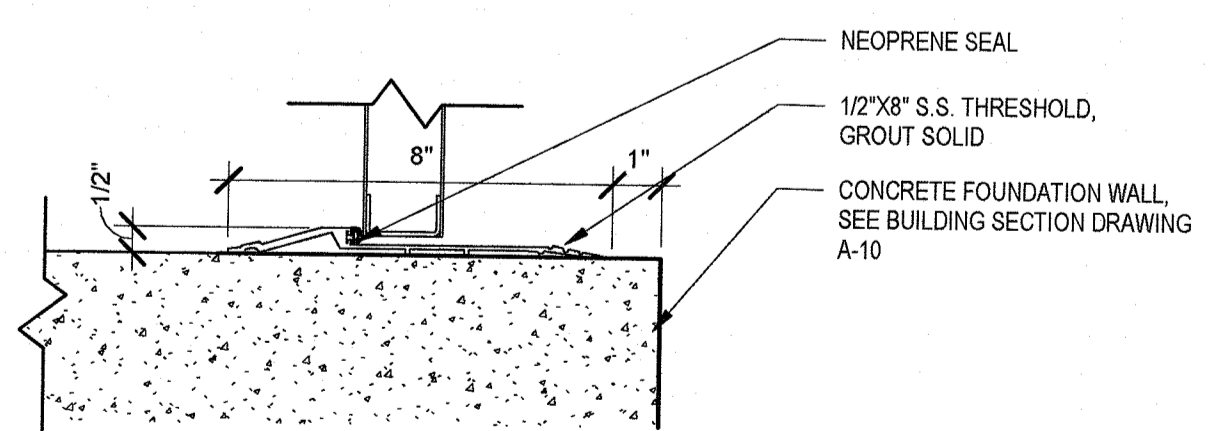
5 J2 - CHEMICAL RM. DOOR JAMB
3" = 1'-0"



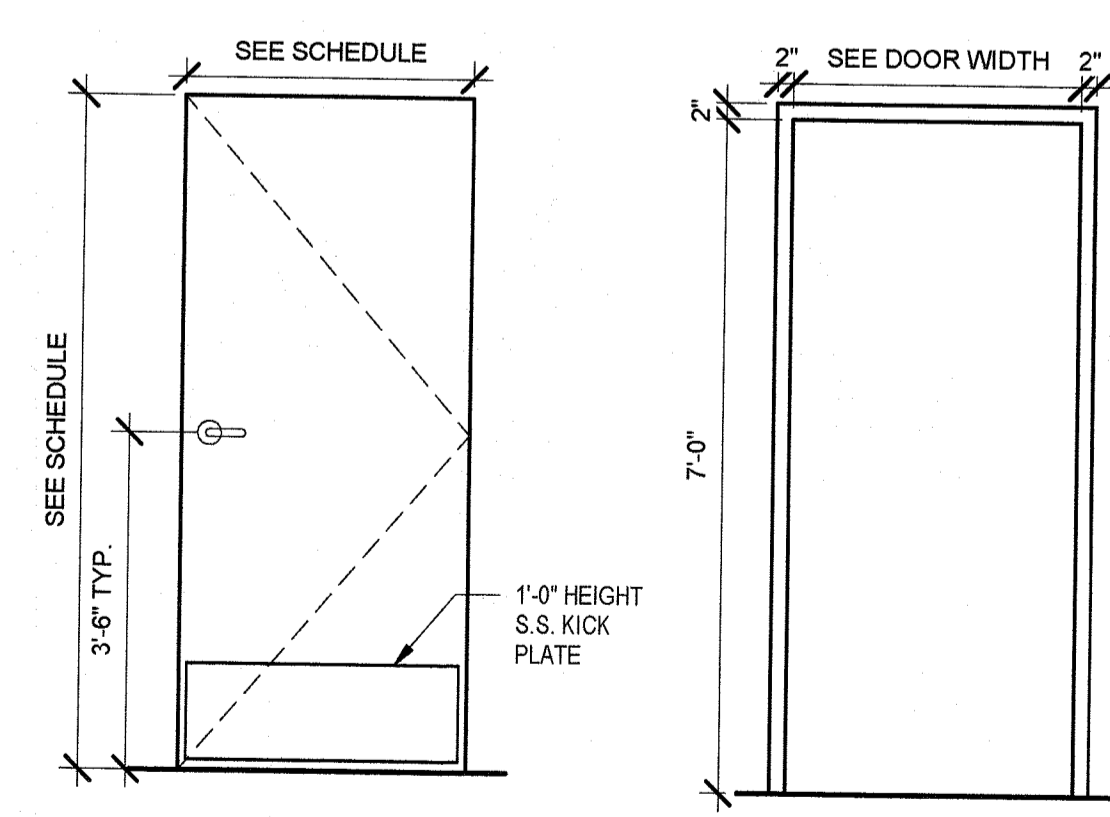
8 J3 - CHEMICAL RM. DOOR JAMB @ TAPPAN
3" = 1'-0"



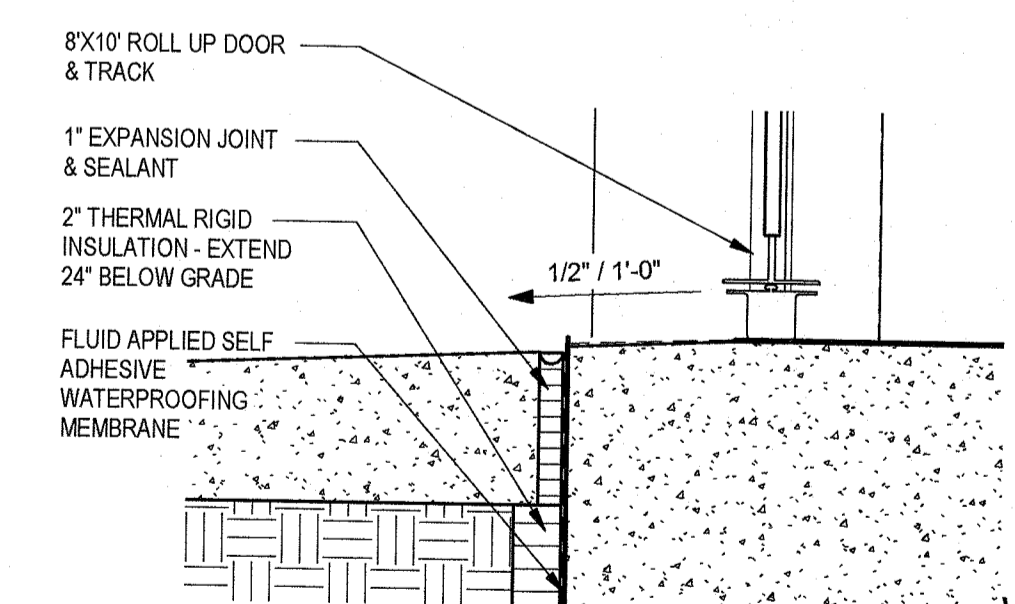
11 J4-ROLL UP DOOR JAMB DETAIL
1 1/2" = 1'-0"



3 S1-EXTERIOR DOOR THRESHOLD TYP.
3" = 1'-0"



13 SINGLE DOOR AND FRAME ELEVATION
1/2" = 1'-0"



12 S4-ROLL UP DOOR SILL DETAIL
1 1/2" = 1'-0"



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 SHEET CHKD BY: **JL**
 CROSS CHKD BY: **PC**
 APPROVED BY: **KS**
 DATE: **SEP. 2021**

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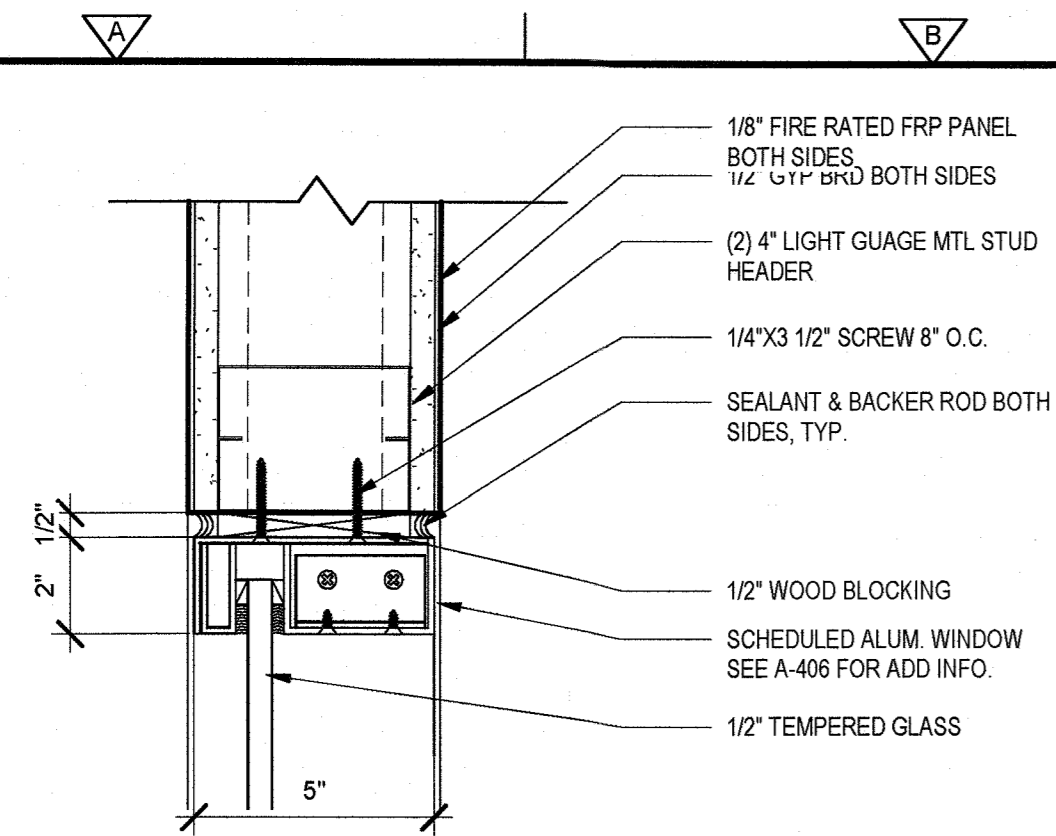
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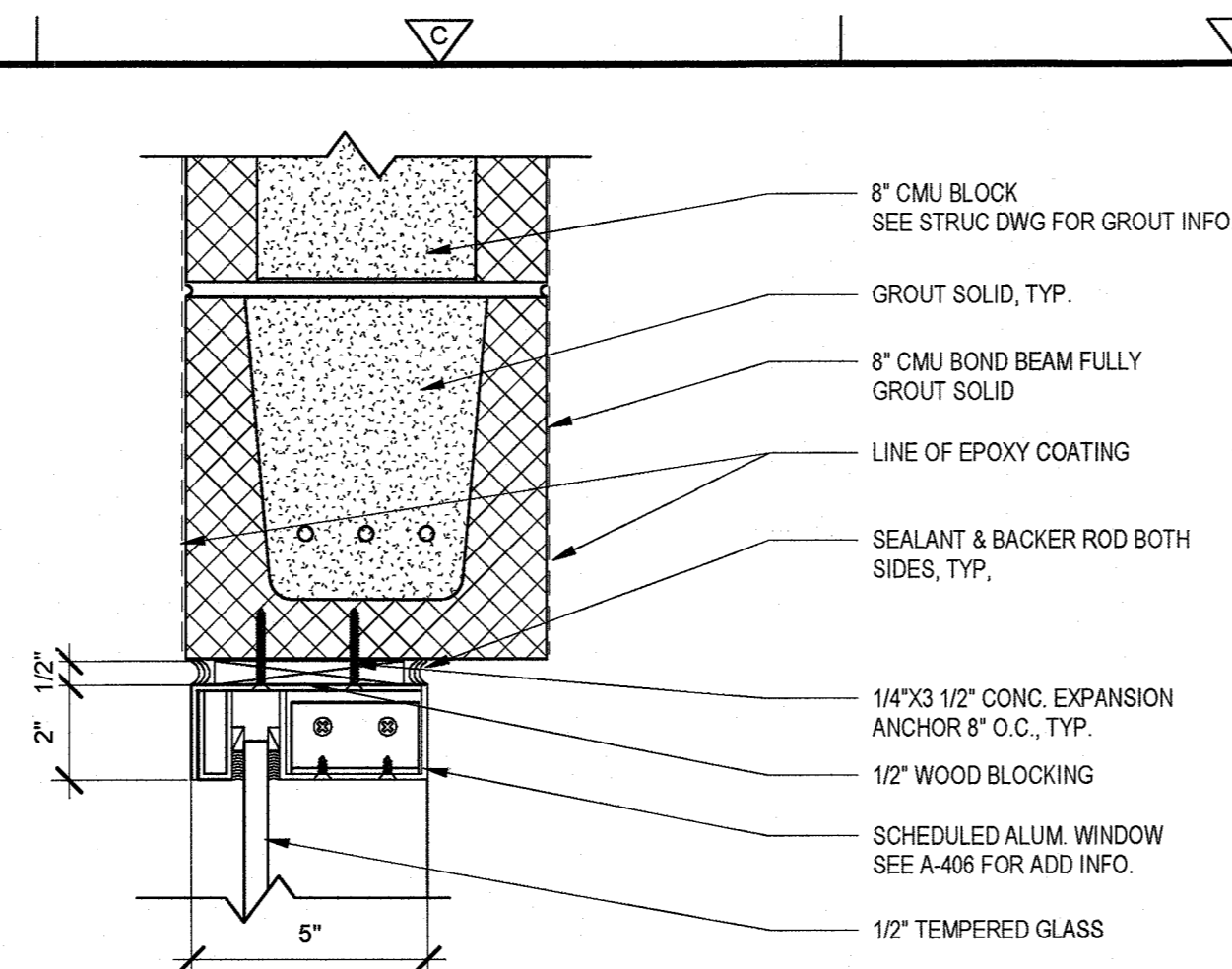
ARCHITECTURAL
DOOR AND WINDOW DETAILS
 GENERAL

PROJECT NO. 250817-257061
 FILE NAME:
 SHEET NO.
A-404

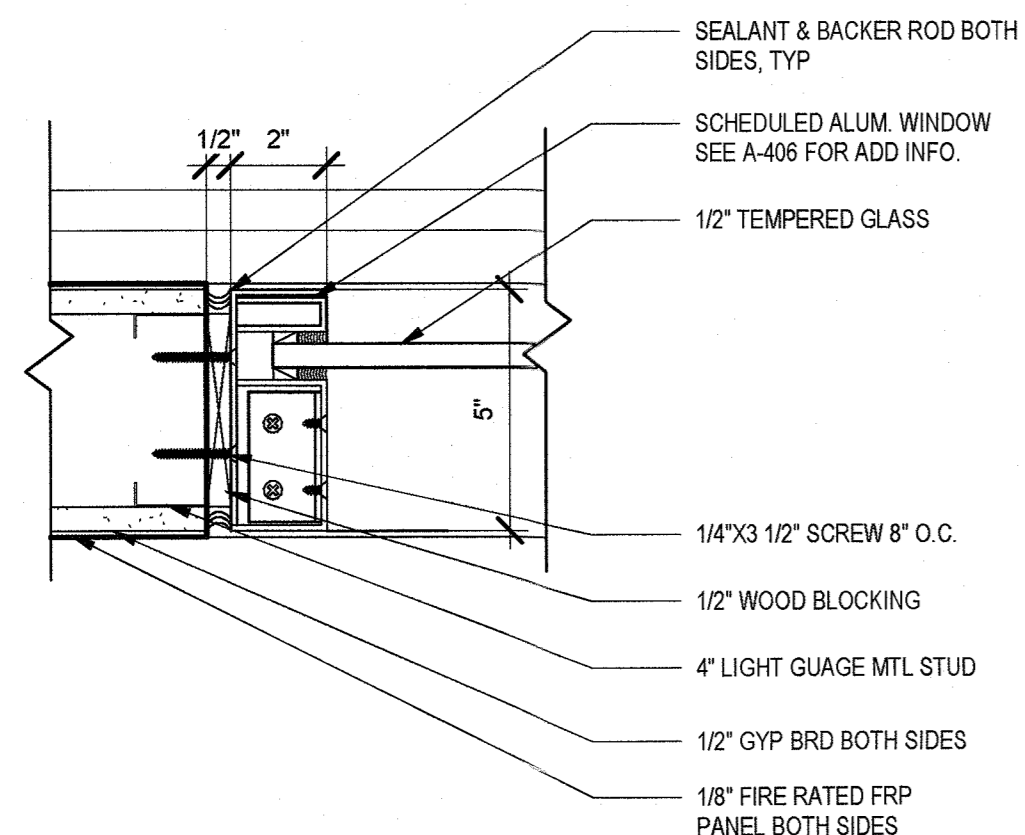
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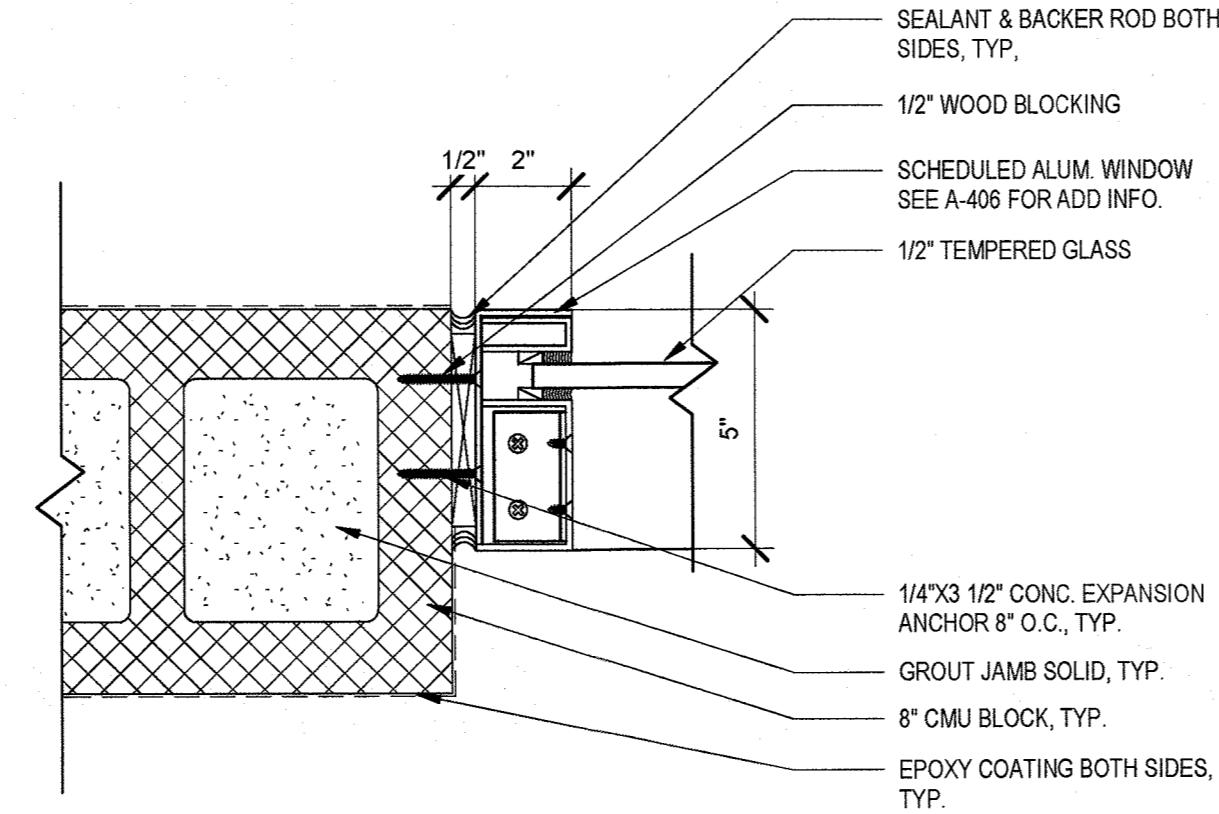
1 WINDOW HEAD DETAIL-NH / V
3" = 1'-0"



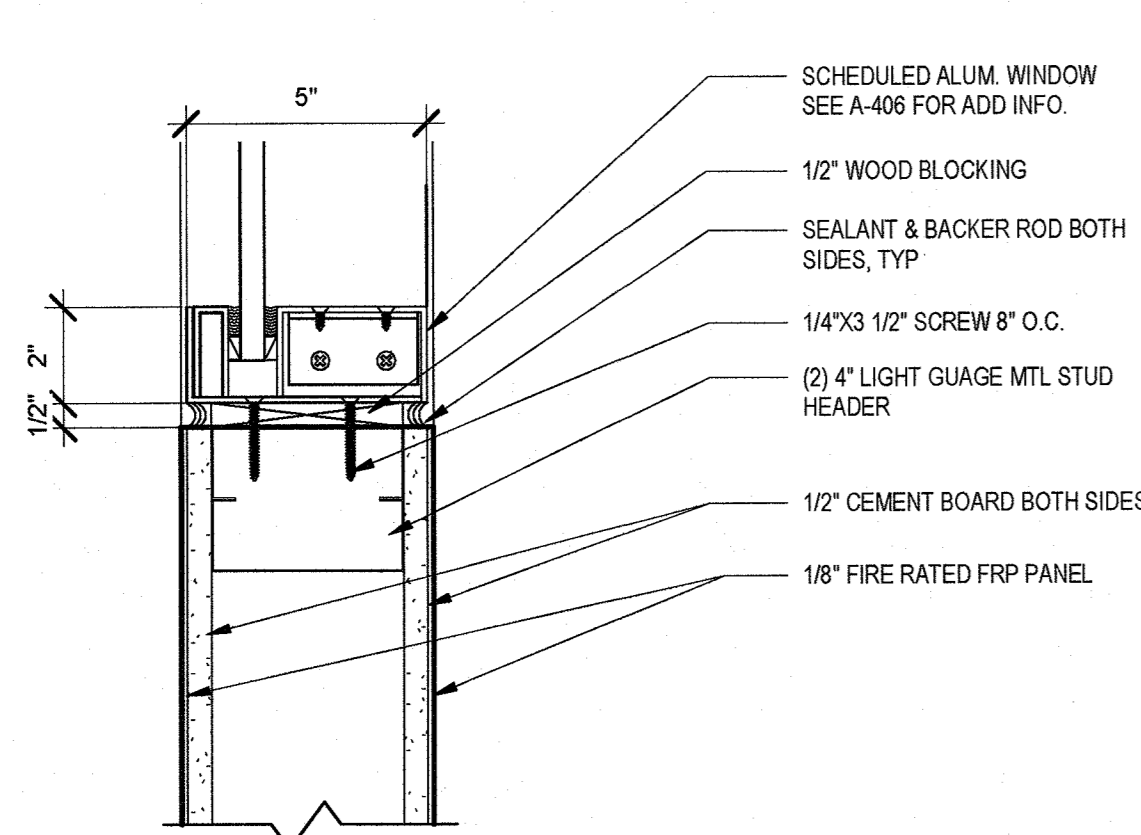
4 WINDOW HEAD DETAIL-T
3" = 1'-0"



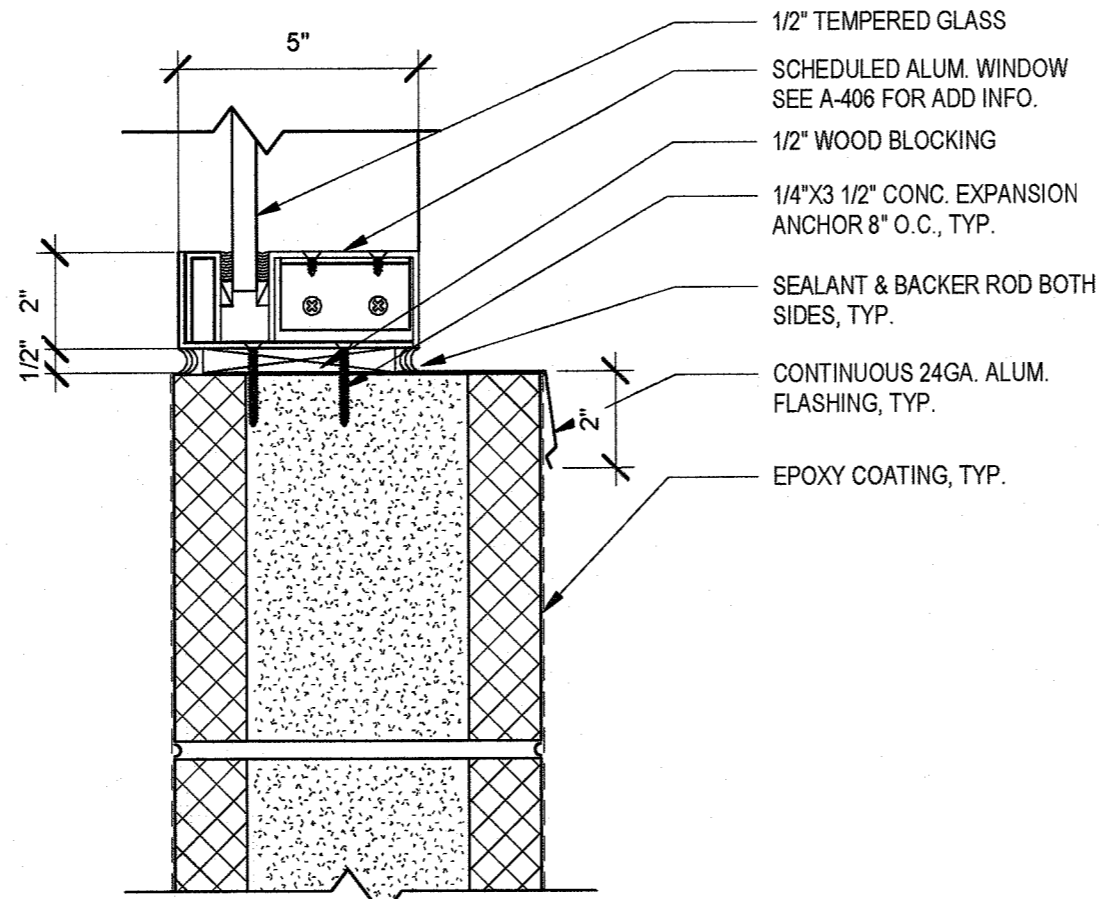
2 WINDOW JAMB DETAIL-NH / V
3" = 1'-0"



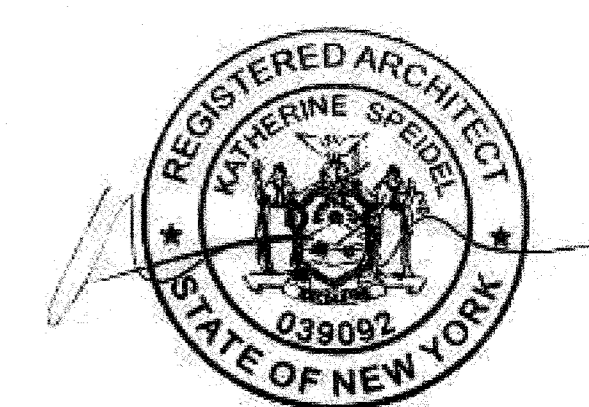
5 WINDOW JAMB DETAIL-T
3" = 1'-0"



3 WINDOW SILL DETAIL-NH / V
3" = 1'-0"



6 WINDOW SILL DETAIL-T
3" = 1'-0"



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**PFAS COMPLIANCE FOR
 GROUNDWATER WELLS PROJECT B**
 AGREEMENT NO. 15806

ARCHITECTURAL
WINDOW DETAILS

PROJECT NO. 250917-257061
 FILE NAME:
 SHEET NO.
A-405

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DOOR SCHEDULE

BUILDING	DOOR NO.	EXT.	DOOR					FRAME					HARDWARE SET TYPE	REMARK		
			TYPE	MATERIAL	NOMINAL SIZE		THICKNESS	FIRE RATING	TYPE	MATERIAL	DETAIL				FIRE RATING	
					WIDTH	HEIGHT					HEAD	JAMB				SILL
NEW HEMPSTEAD	NH-D-01	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	NH-D-02	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	NH-D-03	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	NH-RD-01	O	ROLL UP	HM	8'-0"	10'-0"	-	NONE	F1	HM	H-1	J-1	S-2	NONE	-	
TAPPAN	T-D-01	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	T-D-02	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	T-RD-01	O	ROLL UP	HM	8'-0"	10'-0"	-	NONE	F1	HM	H-1	J-1	S-2	NONE	-	
VIOLA	V-D-01	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	V-D-02	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	V-D-03	O	1	HM	3'-0"	7'-0"	1 3/4"	NONE	F1	HM	H-1	J-1	S-2	NONE	TYPE - 1	
	V-RD-01	O	ROLL UP	HM	8'-0"	10'-0"	-	NONE	F1	HM	H-1	J-1	S-2	NONE	-	

HARDWARE SET 1

QTY.	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
3	HINGES	McKINNEY	TA2314	STAINLESS STEEL
1	CLOSER	LCN	5015 SERIES	INSTALL PUSH SIDE, EXT. DOOR
1	PULL DEVICE	STANLEY	1700A	GC TO SUBMIT GRIP STYLE FOR APPROVAL
1	EXIT DEVICE	STANLEY	APEX 2000 SERIES	
1	DOME FLOOR STOP	IVES	FS 17	IF NECESSARY AT CONC. STEP
3	SILENCER	IVES	SR 64	

WINDOW SCHEDULE

BUILDING	WINDOW NO.	SILL HEIGHT	SIZE		MATERIAL	REMARK
			WIDTH	HEIGHT		
NEW HEMPSTEAD	NH-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	
TAPPAN	T-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	
VIOLA	V-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	

LOUVER SCHEDULE

BUILDING	LOUVER NO.	SIZE		REMARK
		WIDTH	HEIGHT	
NEW HEMPSTEAD	NH-L-01	3'-4"	2'-4"	INTAKE
	NH-L-02	3'-4"	2'-4"	INTAKE
	NH-L-03	1'-10"	1'-10"	EXHAUST
	NH-L-04	2'-4"	2'-4"	EXHAUST
	NH-L-05	2'-4"	2'-4"	EXHAUST
TAPPAN	T-L-01	3'-4"	2'-4"	INTAKE
	T-L-02	1'-10"	1'-10"	EXHAUST
	T-L-03	2'-4"	2'-4"	EXHAUST
VIOLA	V-L-01	3'-4"	2'-4"	INTAKE
	V-L-02	3'-4"	2'-4"	INTAKE
	V-L-03	1'-10"	1'-10"	EXHAUST
	V-L-04	2'-4"	2'-4"	EXHAUST
	V-L-05	2'-4"	2'-4"	EXHAUST

FINISH SCHEDULE

	AREA	FLOOR FINISH	WALL FINISH
NEW HEMPSTEAD	MAIN GAC AREA	FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL
TAPPAN	MAIN GAC AREA	FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL
VIOLA	MAIN GAC AREA	FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL



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AGREEMENT NO. 15806

ARCHITECTURAL
SCHEDULES AND SIGNAGE
GENERAL

PROJECT NO. 250917-257061
FILE NAME:
SHEET NO. A-406