

CANISIUS HIGH SCHOOL

ATHLETIC FIELDS - PHASE III

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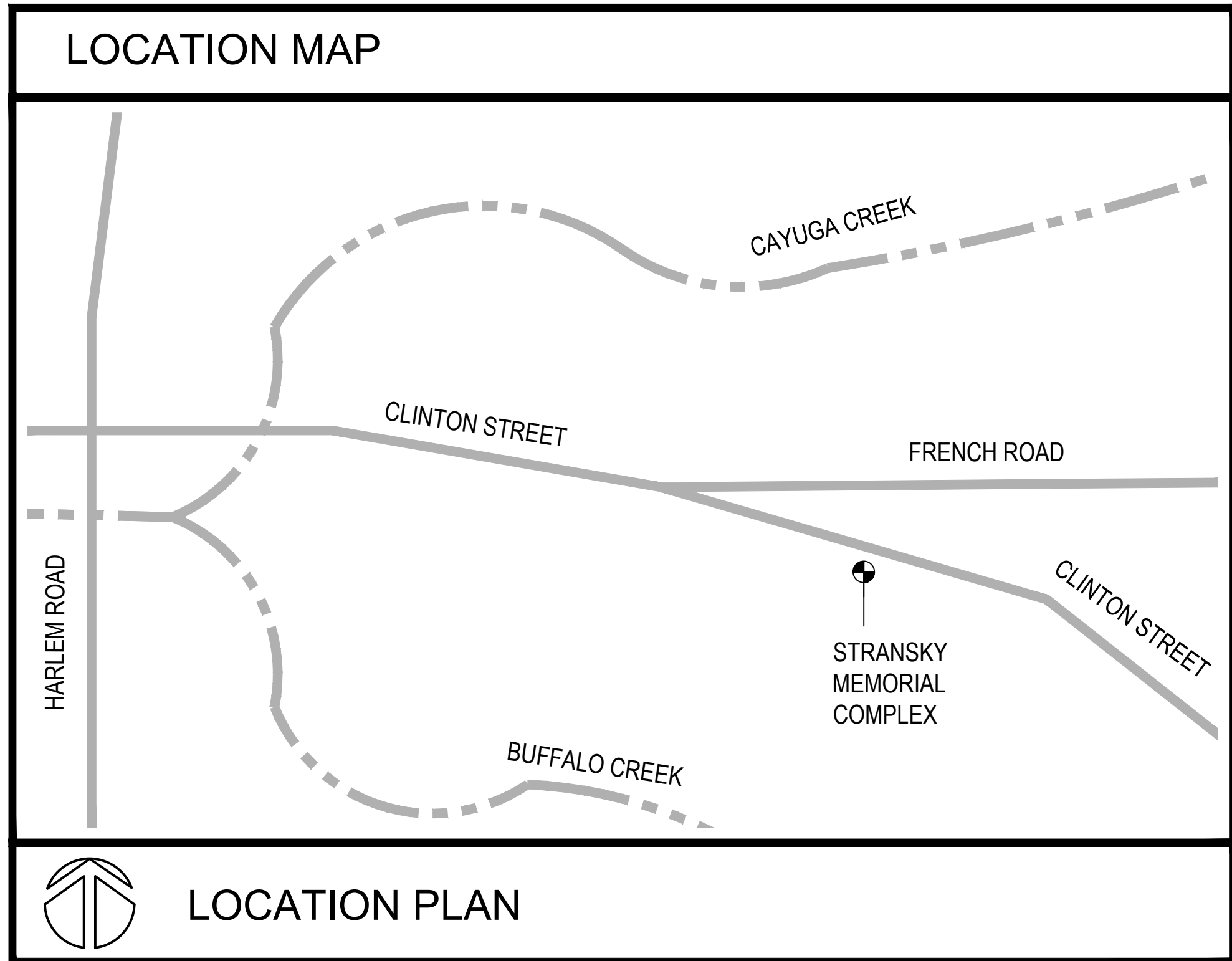
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GENERAL NOTES

A. DO NOT SCALE DRAWINGS: NOTIFY THE ARCHITECT IF ADDITIONAL DIMENSIONS ARE REQUIRED. WALL, PARTITION, AND STRUCTURAL DIMENSIONS ARE ACTUAL. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS.

B. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS INDICATED GRAPHICALLY OR AS NOTED. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES IN IDENTIFICATION OF MATERIALS REQUIRED.

C. ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF ALL BUILDING CODES AND ORDINANCES INCLUDING THE BUILDING CODE OF NEW YORK STATE, THE ACI CODE, ADA CODE, THE AISC CODE, THE NEC CODE, ALL APPLICABLE ASTM, SMACNA, AND NCRA STANDARDS. IN CASE OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.

D. LARGE SCALE DRAWINGS AND OR DETAILS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCY NOTED.

E. CONTRACTOR(S) FOR SPECIFIC WORK SHALL BE RESPONSIBLE TO PROVIDE PROTECTION AS REQUIRED FOR NEW WORK. RECONSTRUCT ELEMENTS DAMAGED BY CONSTRUCTION ACTIVITY.

F. WORK SHALL BE EXECUTED BY PERSONS EXPERIENCED IN THE TRADE THEY ARE PERFORMING. PRODUCTS SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, SPECIFICATIONS AND ACCEPTABLE TRADE INDUSTRY STANDARDS.

G. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ACTIVITIES WITH ALL OTHER CONTRACTORS.

H. THE CONTRACTOR SHALL KEEP THE JOB SITE FREE OF DEBRIS, AND IS RESPONSIBLE FOR THE ACTIONS OF THEIR SUBCONTRACTORS.

I. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY MATERIALS.

J. ALL CONTRACTORS MUST COORDINATE ACTIVITIES SO THAT ALL WORK IS COMPLETED IN A TIMELY FASHION AND FINISHED ON OR BEFORE THE PROJECT COMPLETION DATE AS SET BY THE CONTRACT.

K. WORK AREAS SHALL BE MADE WATERTIGHT AT THE END OF EACH WORK DAY AND AS NECESSARY IN THE EVENT OF RAIN.

L. EACH CONTRACTOR SHALL PROTECT ALL AREAS OF EXISTING FINISHES THAT ARE WITHIN, AROUND, OR ADJACENT TO THE WORK AREAS. CONTRACTOR WILL RESTORE ALL AREAS DISTURBED OR DAMAGED BY WORK. CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ALL EXIST CONDITIONS.

ABBREVIATIONS

ACOUSTIC	ACT	INSULATION	INSUL
APPROXIMATE	APPROX.	INTERIOR	INT.
ARCHITECT	ARCH.	JANITORS CLOSET	J.C.
AT	@	JOINT	JT
BLOCKING	BLKG	LAVATORY	LAV.
BUILDING	BLDG	LINEAR FEET	LN. FT.
CABINET	CAB	LOW POINT	LP
CAST IRON PIPE	C.I.P.	MANUFACTURER	MANUF.
CEILING	CLG	MASONRY	MAS
CEMENT	CEM	MAXIMUM	MAX.
CEMENT PLASTER	CEM PL	MASONRY OPENING	M.O.
CERAMIC TILE	C.T.	MECHANICAL	MECH.
CHALK BOARD	CHK BD	MINIMUM	MIN.
COLUMN	COL	MISCELLANEOUS	MISC.
CONCRETE	CONC.	NOMINAL	NOM.
CONSTRUCTION	CONST.	NOT IN CONTRACT	N.I.C.
CONTINUOUS	CONT.	NOT TO SCALE	N.T.S.
CONTRACTOR	CONTR.	ON CENTER	O.C.
CONTROL JOINT	C.J.	OPPOSITE	OPP.
COURSES	CS	OVERHEAD	OH
DETAIL	DTL	PAINTED	PNT
DIMENSION	DIM.	PLASTIC LAMINATE	PLAS. LAM.
DRAWING	DWG	PREFABRICATED	PREFAB
DRINKING FOUNTAIN	D.F.	REINFORCING	REINF.
EACH	EA.	REQUIRED	REQD.
ELEVATION	ELEV.	ROOF DRAIN	R.D.
ELEVATOR	EL.	ROOM	RM.
ENTRANCE	ENT.	ROUGH OPENING	R.O.
EXHAUST	EXH.	SIMILAR	SM
EXISTING	EXST.	SQUARE FOOT	S.F.
EXPANSION JOINT	E.J.	STAINLESS STEEL	S.S.
FLUE	F.	STANDARD	STD
FRESH FLOOR	FIN. FL.	STEEL	STL.
FLOOR DRAIN	FL.	SUSPENDED ACOUSTICAL TILE	S.A.T.
FLOOR DRAIN	F.D.	TACKBOARD	TB
GALVANIZED	GALV.	TERRAZZO	TRR
GAUGE	GA	TOP OF STEEL	T.O.S.
GYPSUM	GYP.	TYPICAL	TYP
HANDICAP ACCESSIBLE	HC	VENT	V
HEIGHT	HGT	VERIFY IN FIELD	VF
HOLLOW METAL	H.M.	WELDED WIRE FABRIC	WWF
HORIZONTAL	HORIZ.	WITH	W
HOSE BIBS	HB	WITHOUT	W/O
HIGH POINT	HP	WOOD	WD
INCH	" OR IN.		

GENERAL LEAD CONTAINING MATERIALS NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH OSHA 29 CFR 1926.62. LEAD EXPOSURE IN CONSTRUCTION: INTERIM FINAL RULE FOR ALL ACTIVITIES DURING WHICH AN EMPLOYEE MAY BE OCCUPATIONALLY EXPOSED TO LEAD.

THE CONTRACTOR IS RESPONSIBLE UNDER OSHA TO DETERMINE THE PRESENCE, LOCATION, AND QUANTITY OF EXISTING LEAD-CONTAINING MATERIALS THAT THEIR EMPLOYEES MAY BE EXPOSED TO, AND TO WARN THEIR EMPLOYEES OF THE POTENTIAL DANGERS OF THE DISTURBANCE OF LEAD-CONTAINING MATERIALS.

GENERAL ASBESTOS AWARENESS NOTE

ASBESTOS-CONTAINING MATERIALS (ACM) ARE KNOWN TO BE PRESENT AT SOME OF THE WORK SITES. IT IS EXPECTED THAT WORK ASSOCIATED WITH THIS PROJECT WILL NOT RESULT IN THE DISTURBANCE OF ANY KNOWN ASBESTOS-CONTAINING MATERIALS.

ALL CONTRACTORS ARE RESPONSIBLE FOR MAKING THEMSELVES AND THEIR EMPLOYEES AWARE OF THE PRESENCE, LOCATION, AND QUANTITY OF EXISTING ASBESTOS CONTAINING BUILDING MATERIALS, AND TO WARN THEIR EMPLOYEES OF THE POTENTIAL DANGERS OF EXPOSURE TO ASBESTOS. ANY DISTURBANCE OF ASBESTOS CONTAINING MATERIALS SHALL BE PERFORMED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR EMPLOYING CERTIFIED WORKERS.

ANY QUESTIONABLE MATERIAL OR MATERIAL SUSPECTED TO CONTAIN ASBESTOS SHALL NOT BE DISTURBED AND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR THE OWNER'S REPRESENTATIVE FOR AN ACCURATE INTERPRETATION AND/OR SAMPLING AND ANALYSIS. THE AHERA AND OTHER ASBESTOS TESTING REPORTS ARE AVAILABLE AT THE DISTRICT OFFICE.

Signature & Seal:



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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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Sheet Number: G001

ABBREVIATIONS	
ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
A	AMPERE
AIC	ASYMMETRIC INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C	CONDUIT
CLG	CEILING
CKT	CIRCUIT
CU	COPPER
DIA	DIAMETER
DN	DOWN
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EMER	EMERGENCY
ETR	EXISTING TO REMAIN
F	FUSED
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
K	MULTIPLE OF 1000
JB	JUNCTION BOX
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MTG HT	MOUNTING HEIGHT
NL	NIGHT LIGHT
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NTS	NOT TO SCALE
OC	OVER-COUNTER - EC TO VERIFY HEIGHT OF COUNTER TOP
OCP	OVERCURRENT PROTECTION
P	POLE
PH	PHASE
PNL	PANEL
PRI	PRIMARY
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
UC	UNDER-CABINET
V	VOLT
VIF	VERIFY IN FIELD
W	WATT
WG	WIREGUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL	
SYMBOL	DESCRIPTION
	HEAVY LINEWEIGHT DENOTES NEW DEVICE, EQUIPMENT, OR CONNECTION
	LIGHT LINEWEIGHT DENOTES EXISTING DEVICE, EQUIPMENT, OR CONNECTION TO REMAIN
	BROKEN LIGHT LINEWEIGHT DENOTES EXISTING DEVICE, EQUIPMENT, OR CONNECTION TO BE REMOVED
II	ROMAN NUMERALS INDICATE NUMBER OF DEVICES

MOUNTING HEIGHTS	
DEVICE	MOUNTING HEIGHT
RECEPTACLES	18" AFF
EXTERIOR RECEPTACLES	24" AFF
SWITCHES	44" AFF
DATA/TELCOM OUTLETS	18" AFF
FIRE ALARM MANUAL PULLSTATIONS	44" AFF
FIRE ALARM VISUAL NOTIFICATION DEVICE	ENTIRE LENS BTW 80"-96" AFF

MOUNTING HEIGHTS OF DEVICES TO THE CENTER OF DEVICE AS INDICATED, UNLESS OTHERWISE NOTED

ONE-LINE DIAGRAM	
SYMBOL	DESCRIPTION
	THERMAL MAGNETIC CIRCUIT BREAKER
	ELECTRONIC TRIP CIRCUIT BREAKER
	SWITCH
	FUSE
	GROUND CONNECTION
	PANELBOARD - REFER TO PANELBOARD SCHEDULE
	TRANSFORMER - REFER TO TRANSFORMER SCHEDULE

DISTRIBUTION / BRANCH WIRING	
SYMBOL	DESCRIPTION
	PANELBOARD
	HOMERUN TO PANELBOARD - ARROW HEADS INDICATE NUMBER OF POLES. TEXT ADJACENT TO ARROW HEADS INDICATES PANELBOARD AND CIRCUIT DESIGNATIONS. SLASHES INDICATE CURRENT CARRYING CONDUCTORS. SLASH WITH DOT INDICATES GROUNDING CONDUCTOR. SLASH WITH G INDICATES ISOLATED GROUND CONDUCTOR.
	RACEWAY OR CABLE WITH CONDUCTORS AS NOTED
	CONDUIT OR CABLE UP
	CONDUIT OR CABLE DOWN
	GROUND CONNECTION

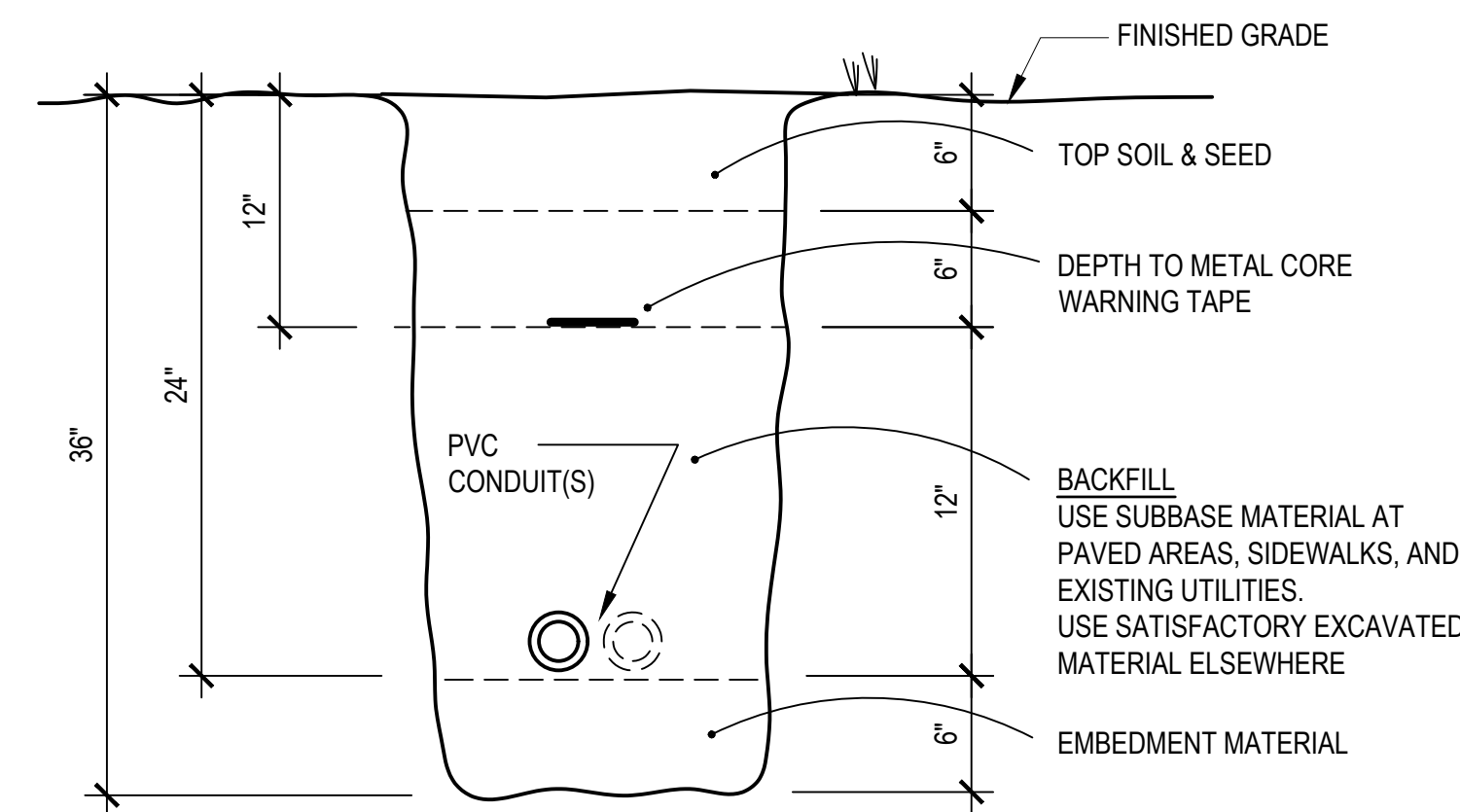
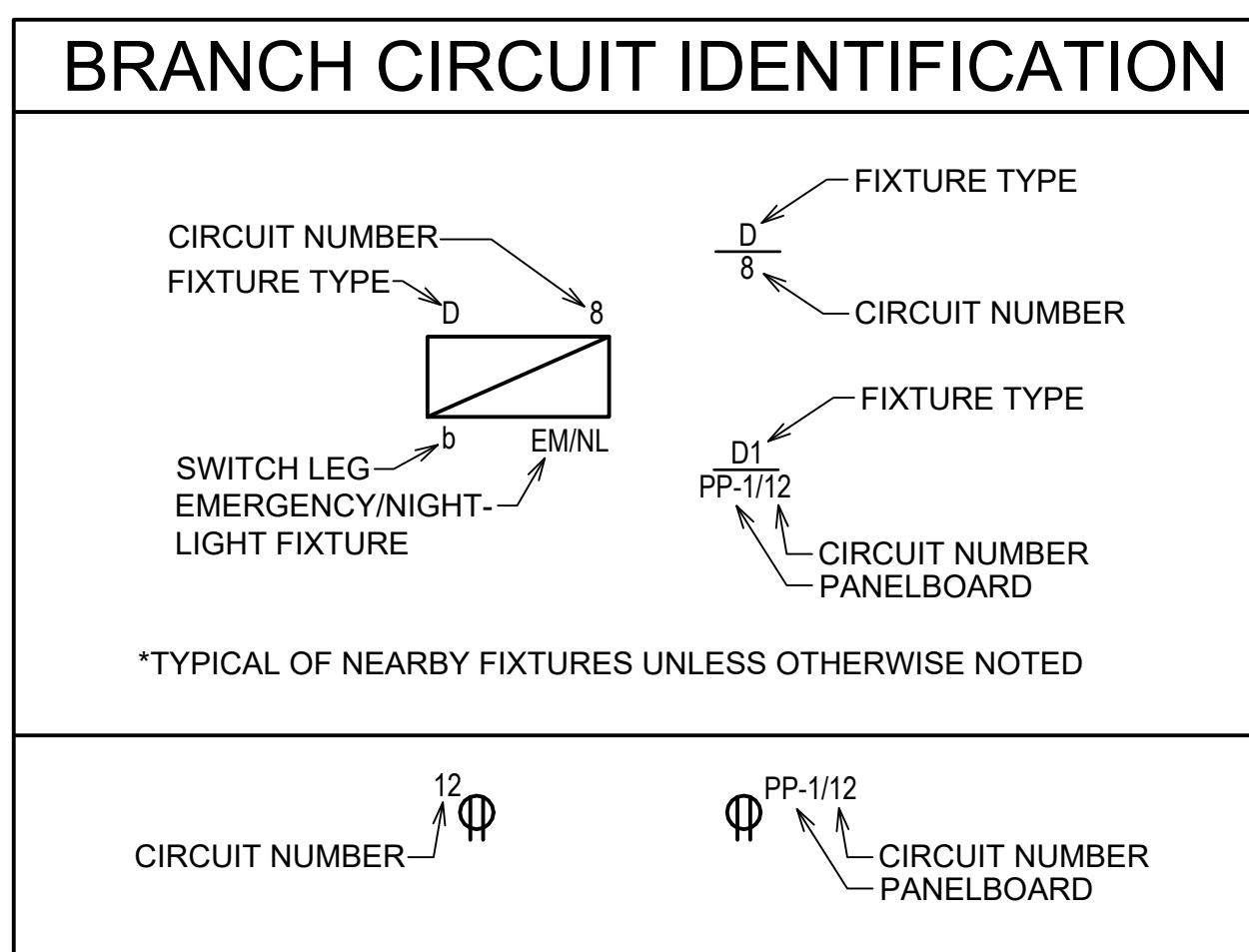
DEVICES	
SYMBOL	DESCRIPTION
	WALL-SWITCH OCCUPANCY SENSOR SUBSCRIPTS DENOTE TYPE: PIR - PASSIVE INFRARED US - ULTRASONIC DT - DUAL-TECHNOLOGY DT2 - DUAL-TECHNOLOGY DUAL-RELAY
	CEILING MOUNTED OCCUPANCY SENSOR SUBSCRIPTS DENOTE TYPE: PIR - PASSIVE INFRARED US - ULTRASONIC USC - ULTRASONIC CORRIDOR COVERAGE DT - DUAL-TECHNOLOGY
	TOGGLE SWITCH SUBSCRIPTS DENOTE TYPE: 2 - TWO POLE SWITCH 3 - THREE WAY SWITCH 4 - FOUR WAY SWITCH K - KEY OPERATED SWITCH T - MOTOR-RATED SWITCH D - DIMMER CONTROL WP - WEATHER PROOF ROMAN NUMERALS INDICATE GANGED SWITCHES LETTERS (a,b,c) INDICATE SWITCH LEGS
	DUPLX RECEPTACLE - 125V, 20A SUBSCRIPTS DENOTE TYPE: GFI - GROUND FAULT CIRCUIT INTERRUPTER GFIP - CONNECTED TO GFCI BREAKER TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSOR WP - WEATHER PROOF WHILE-IN-USE TR - TAMPER RESISTANT
	SURFACE-MOUNTED DUPLX RECEPTACLE
	EQUIPMENT CONNECTION - DIRECT CONNECTION OR MATCH CORD AND CAP AS REQUIRED
	DISCONNECT SWITCH SUBSCRIPTS DENOTE RATINGS: ##AS - AMPERE RATING OF SWITCH ##AF - AMPERE RATING OF FUSE NF - NON-FUSED
	JUNCTION BOX

LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER & CAT. No.	SOURCE	VOLTAGE	MOUNTING	NOTES
L1	4' LINEAR LED WITH MARINE GRADE ALUMINUM HOUSING, HIGH-IMPACT POLYCARBONATE LENS, INTEGRAL 0-10V DIMMING DRIVER AND MINIMUM L70 OF 150,000 HOURS.	KENALL LIGHTING MLH4S-48-R-LG-PP-45L40K-DCC-1-DV-TL50 OR APPROVED EQUAL	LED 4000K, 80 CRI 4,940 LUMENS	MULTIVOLT	SURFACE OR PENDANT AS REQUIRED	PROVIDE MOUNTING BRACKET AND PENDANT SUPPORT AS REQUIRED AT SLOPING ROOF
L2	4' LINEAR LED WITH MARINE GRADE ALUMINUM HOUSING, HIGH-IMPACT POLYCARBONATE LENS, INTEGRAL 0-10V DIMMING DRIVER AND MINIMUM L70 OF 150,000 HOURS, INTEGRAL EMERGENCY BATTERY BACKUP	KENALL LIGHTING MLH4S-48-R-LG-PP-45L40K-DCC-1-DV-TL50-EL1 OR APPROVED EQUAL	LED 4000K, 80 CRI 4,940 LUMENS	MULTIVOLT	SURFACE OR PENDANT AS REQUIRED	PROVIDE MOUNTING BRACKET AND PENDANT SUPPORT AS REQUIRED AT SLOPING ROOF

MECHANICAL EQUIPMENT CONNECTION SCHEDULE									
EQUIPMENT DESCRIPTION	LOCATION	VOLTAGE	PHASE	LOAD	WIRE SIZE	CONDUIT SIZE	SOURCE OF POWER	CIRCUIT BREAKER	REMARKS
EF-1	LOCKER ROOM	120	1	1/10 HP	#12 AWG	3/4"	-	1P20A	-

TRANSFORMER SCHEDULE													
DESIGNATION	SIZE KVA	PRIMARY VOLTS	SECONDARY VOLTS	CONN CONFIG	TYPE	WINDINGS	TEMP. RISE	K-RATING	GROUND BUSBAR	SHIELD	ENCLOSURE TYPE	MOUNTING	REMARKS
T-1	25	240	480	1PH	DRY	ALUM	115	-	X	-	NEMA 2	WALL	
T-2	15	480	120/240	1PH	ENCAP	ALUM	115	-	X	-	NEMA 3R	GROUND	
T-3	5	480	120/240	1PH	DRY	ALUM	115	-	X	-	NEMA 4X	GROUND	

LIGHTING	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE AND OUTLET BOX



1 UNDERGROUND CONDUIT
N.T.S.

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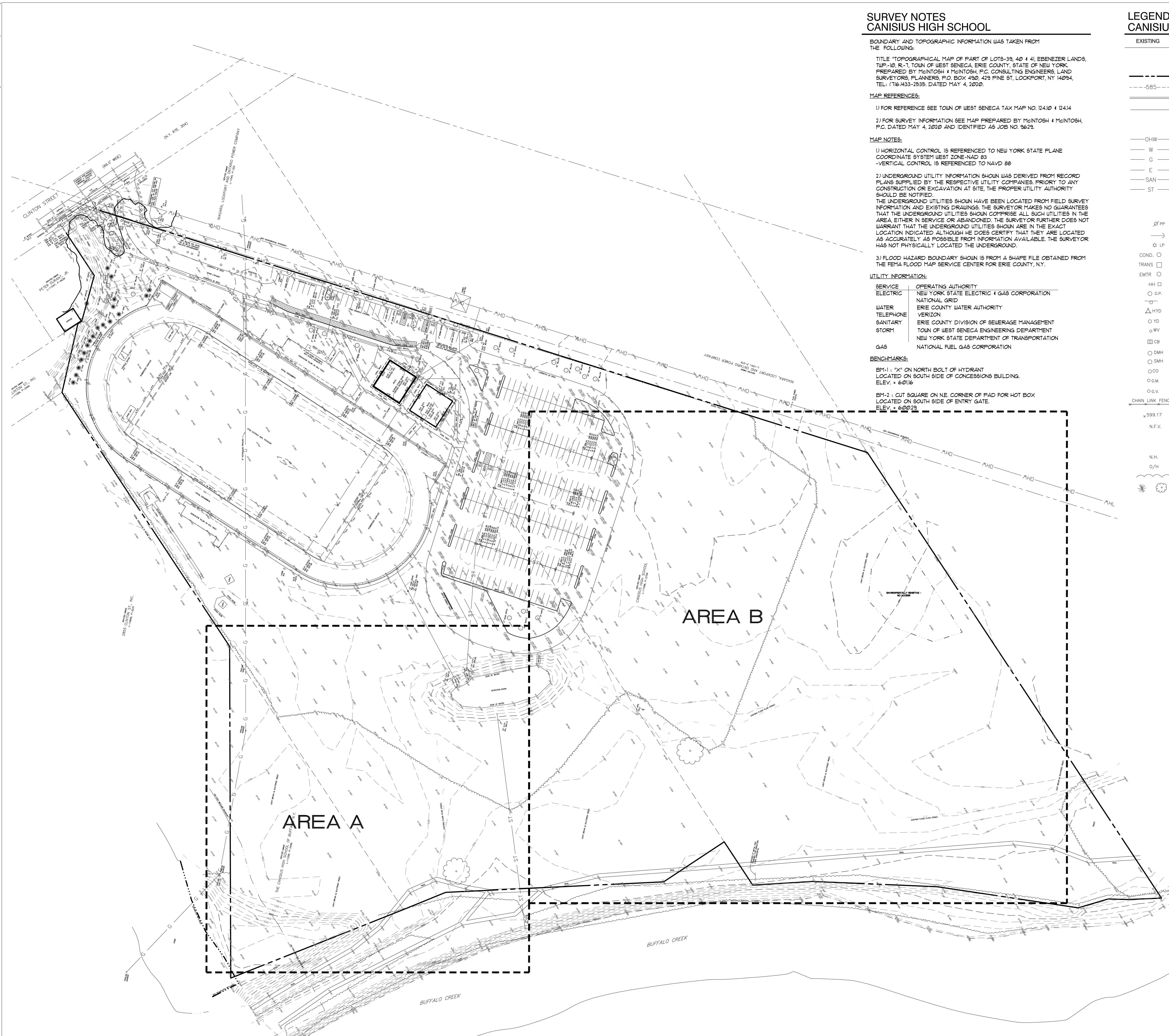
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Project: ATHLETIC FIELDS - PHASE 3
Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
2885 CLINTON STREET
WEST SENECA, NEW YORK 14224

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Sheet Number: **E001**



SURVEY NOTES
CANISIUS HIGH SCHOOL

BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING:
 TITLE "TOPOGRAPHICAL MAP OF PART OF LOTS-39, 40 & 41, EBENEZER LANDS, TWP-10, R-1, TOWN OF WEST SENECA, ERIE COUNTY, STATE OF NEW YORK, PREPARED BY MCGINTOSH & MCGINTOSH, P.C. CONSULTING ENGINEERS, LAND SURVEYORS, PLANNERS, P.O. BOX 490, 423 PINE ST, LOCKPORT, NY 14094, TEL: (716) 433-2535, DATED MAY 4, 2020.
 MAP REFERENCES:
 1) FOR REFERENCE SEE TOWN OF WEST SENECA TAX MAP NO. 12410 & 12414
 2) FOR SURVEY INFORMATION SEE MAP PREPARED BY MCGINTOSH & MCGINTOSH, P.C. DATED MAY 4, 2020 AND IDENTIFIED AS JOB NO. 9623.
 MAP NOTES:
 1) HORIZONTAL CONTROL IS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM WEST ZONE NAD 83
 -VERTICAL CONTROL IS REFERENCED TO NAVD 88
 2) UNDERGROUND UTILITY INFORMATION SHOWN WAS DERIVED FROM RECORD PLANS SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES. PRIORITY TO ANY CONSTRUCTION OR EXCAVATION AT SITE, THE PROPER UTILITY AUTHORITY SHOULD BE NOTIFIED.
 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND.
 3) FLOOD HAZARD BOUNDARY SHOWN IS FROM A SHAPE FILE OBTAINED FROM THE FEMA FLOOD MAP SERVICE CENTER FOR ERIE COUNTY, NY.

UTILITY INFORMATION:

SERVICE	OPERATING AUTHORITY
ELECTRIC	NEW YORK STATE ELECTRIC & GAS CORPORATION NATIONAL GRID
WATER	ERIE COUNTY WATER AUTHORITY
TELEPHONE	VERIZON
SANITARY	ERIE COUNTY DIVISION OF SEWERAGE MANAGEMENT
STORM	TOWN OF WEST SENECA ENGINEERING DEPARTMENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION
GAS	NATIONAL FUEL GAS CORPORATION

BENCHMARKS:

BM-1: "X" ON NORTH BOLT OF HYDRANT LOCATED ON SOUTH SIDE OF CONCESSIONS BUILDING. ELEV. + 601.6
 BM-2: CUT SQUARE ON NE CORNER OF PAD FOR HOT BOX LOCATED ON SOUTH SIDE OF ENTRY GATE. ELEV. + 602.28

LEGEND - CANISIUS HIGH SCHOOL

EXISTING	PROPOSED	DESCRIPTION
---	CLL	CONTRACT LIMIT LINE
---	MATCHLINE	MATCHLINE
---	---	STREET LINE / PROPERTY EDGE
---	---	CONTOUR
---	---	CONCRETE CURB
---	---	PAVEMENT EDGE
---	---	SAUCUIT LINE
---	////	UTILITY REMOVAL
---	---	OVER-HEAD WIRES
---	---	WATER LINE
---	---	GAS LINE
---	---	BURIED ELECTRIC LINE
---	---	SANITARY SEWER - SIZE / TYPE
---	---	STORM SEWER - SIZE
---	---	STORM-WATER MANAGEMENT TRENCH
---	---	FLAT DRAIN
---	---	UTILITY POLE
---	---	GLY WIRE
---	---	LIGHT POLE
---	---	CONDUIT
---	---	ELECTRIC TRANSFORMER
---	---	ELECTRIC METER
---	---	ELECTRIC HANDHOLE
---	---	GATE POST
---	---	TRAFFIC SIGN
---	---	FIRE HYDRANT
---	---	YARD DRAIN
---	---	WATER VALVE
---	---	CATCH BASIN / STORM INLET
---	---	STORM MANHOLE
---	---	SANITARY MANHOLE
---	---	CLEANOUT
---	---	GAS METER
---	---	GAS VALVE
---	---	VINYL CHAIN LINK FENCE / HT.
---	---	SPOT GRADE
---	---	NOT FIELD VERIFIED
---	---	EDGE OF PAVEMENT
---	---	TYPICAL
---	---	NET HOLE
---	---	OVERHANG
---	---	EDGE OF WOODS
---	---	TREES
---	---	VEGETATION REMOVAL
---	---	LIGHT DUTY ASPHALT
---	---	MEDIUM DUTY ASPHALT
---	---	GRAVEL
---	---	STANDARD CONCRETE W/ SCORING
---	---	HEAVY DUTY CONCRETE W/ SCORING
---	---	LAWN TYPE 1 - 4" TOPSOIL AND SEED
---	---	LAWN TYPE 2 - 4" TOPSOIL, SEED, AND STRAW MAT
---	---	LAWN TYPE 3 - 6" SCREENED TOPSOIL, AND SEED
---	---	LAWN TYPE 4 - ALTERNATE 6" SCREENED TOPSOIL, AND SOD
---	---	STONE BLANKET

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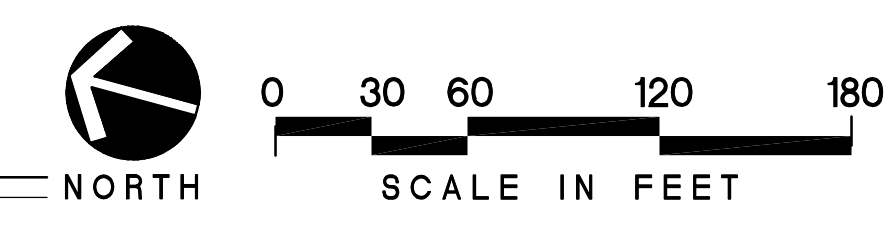
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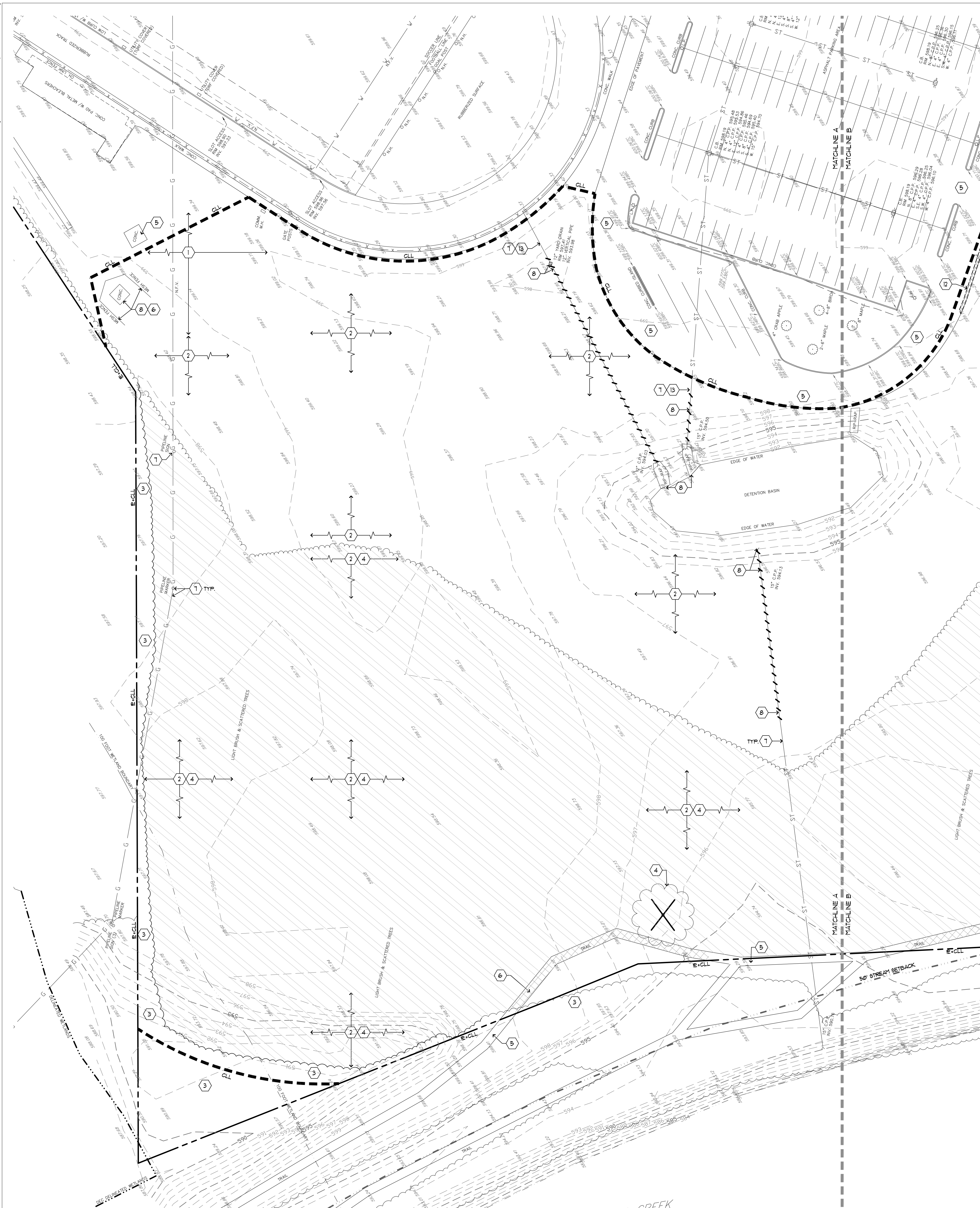
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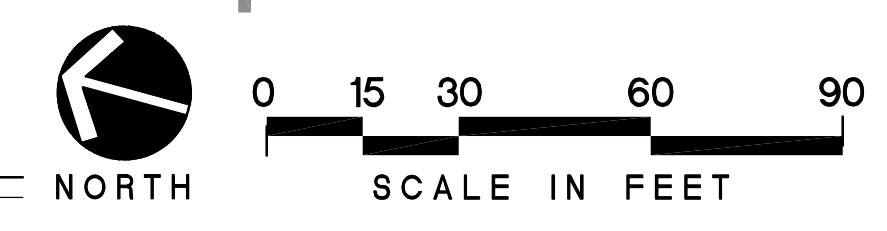
Project Status: **BID DOCUMENTS**
 Date: 6/23/2021
 Project Number: 20202
 Sheet Title: **SITE SURVEY**
 Sheet Number: **C100**

CANISIUS HIGH SCHOOL - SITE SURVEY





SITE PREPARATION PLAN - AREA A



SITE PREPARATION and CONSTRUCTION NOTES CANISIUS HIGH SCHOOL

- 1 EXISTING LAWN AREA REMAINS. PROTECT.
- 2 STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ON-SITE IN AN AREA AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
- 3 EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOWN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
- 4 REMOVE EXISTING VEGETATION, INCLUDING ALL STUMPS AND ROOTS AND DISPOSE OFF-SITE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY. WHEN LOCATED IN PROPOSED LAWNPLANTING AREAS BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO 90% OF IN PLACE DRY DENSITY.
- 5 EXISTING PAVEMENT OR GRAVEL REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION.
- 6 REMOVE EXISTING PAVEMENT OR GRAVEL SURFACE AND HAUL OFF-SITE. REMOVE GRANULAR BASE COURSE AND HAUL OFF-SITE.
- 7 EXISTING SITE UTILITY REMAINS. PROTECT.
- 8 REMOVE EXISTING SITE UTILITY. DISPOSE OFF-SITE AND BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
- 9 EXISTING SITE FEATURE REMAINS. PROTECT.
- 10 REMOVE EXISTING SITE FEATURE AND DISPOSE OFF-SITE, INCLUDING ANY ASSOCIATED FOOTINGS OR UNDERDRAINS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO 95% OF IN PLACE DRY DENSITY. WHEN LOCATED IN PROPOSED LAWNPLANTING AREAS BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 90% OF IN PLACE DRY DENSITY.
- 11 DELETED
- 12 SAW CUT NEAT, STRAIGHT EDGE, PRIOR TO PAVING. AT SIDEWALKS REMOVE AT NEAREST SCORE JOINT.
- 13 VERIFY LOCATION, ELEVATION, INVERT AND TYPE OF EXISTING PIPE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
- 14 ADJUST UTILITY TO FINISHED GRADE. FURNISH ALL LABOR AND MATERIAL TO ACCOMPLISH.
- 15 MEET EXISTING LINE AND GRADE.
- 16 DELETED
- 17 ALIGN NEW EDGE WITH EXISTING.
- 18 CAP END SILT TIGHT.
- 19 PROVIDE HOT TAR ASPHALT CRACK SEALER BETWEEN EXISTING AND NEW ASPHALT JOINT.
- 20 CAMERA SCOPE AND JET WASH EXISTING STORM PIPE FOR FREE FLOWING CONDITION. NOTIFY ARCHITECT OF ANY EXISTING DAMAGE IMMEDIATELY.
- 21 PROVIDE FERRIS COUPLER OR SIMILAR SILT TIGHT JOINT BETWEEN EXISTING PIPE AND NEW STORM PIPE. ALLOW INSPECTION BY ARCHITECT PRIOR TO BACKFILLING. NOTIFY ARCHITECT WHEN READY TO BACKFILL.
- 22 ALL NEW ELECTRICAL WORK BY OTHERS. SEE MEP DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BACKFILLING, COMPACTION, AND SURFACE RESTORATIONS FROM ELECTRICAL WORK, AS PER DRAWINGS AND SPECIFICATIONS.
- 23 INSTALL LANDSCAPING CLOTH, SOIL STABILIZATION FABRIC AND/OR ORANGE GEOGRID OVER SUBSOILS AFTER GRADING WORK WITHIN LOCUS 3 AREA AS SHOWN.

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Client: CANISIUS HIGH SCHOOL
Project: ATHLETIC FIELDS - PHASE 3
Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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WEST SENECA, NEW YORK 14224

Drawing History:	#	Date	Description

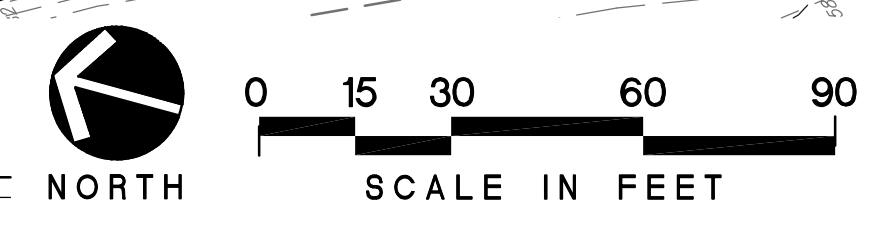
Project Status: **BID DOCUMENTS**
Date: 6/23/2021
Project Number: 20020
Sheet Title: **SITE PREPARATION PLAN - AREA A**
Sheet Number: C101

J:\Canisius High School\Bldg102_Site Prep Area B_Canisius.rvt

Thursday, April 22, 2022 - 2:42 PM



SITE PREPARATION PLAN - AREA B



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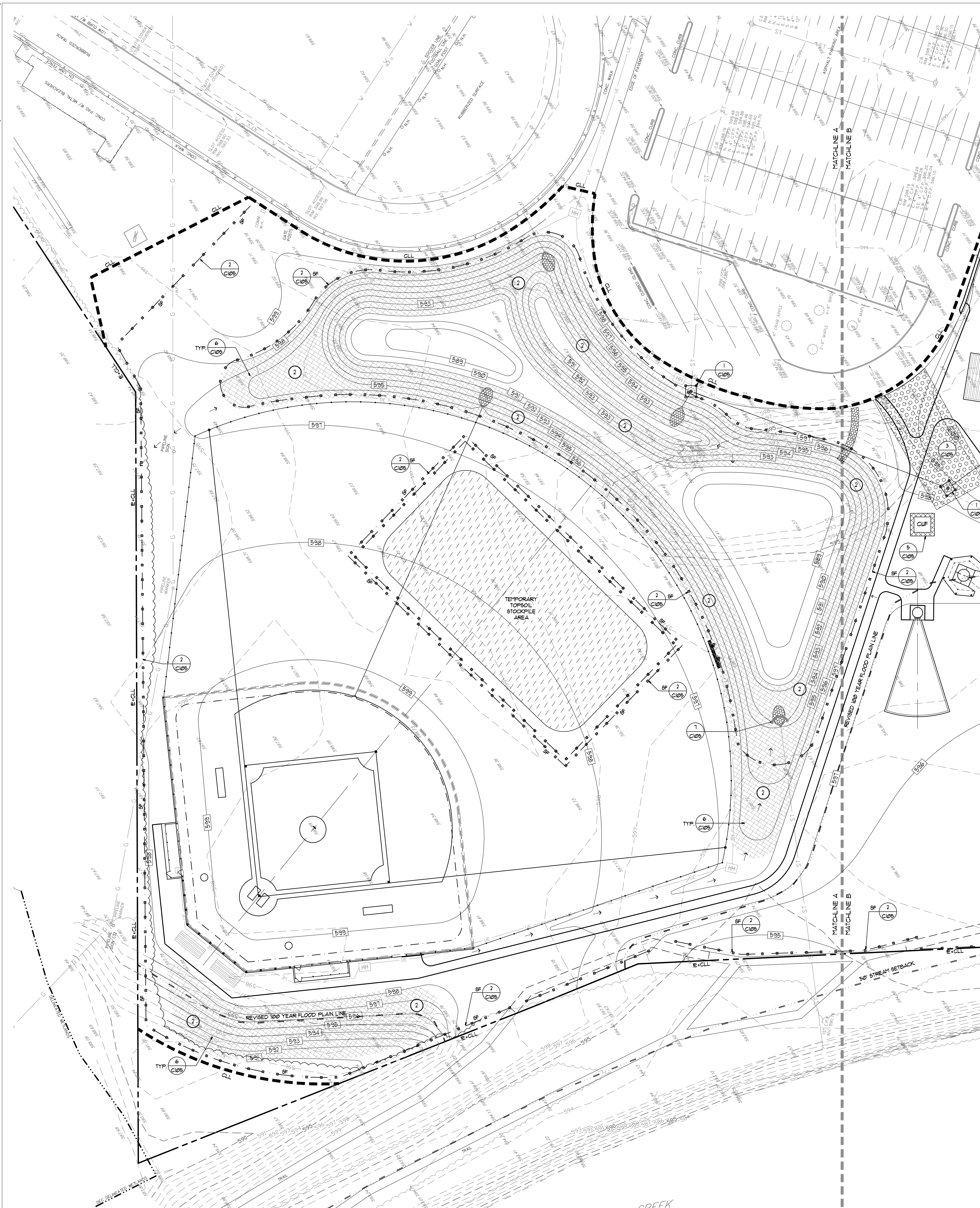
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 Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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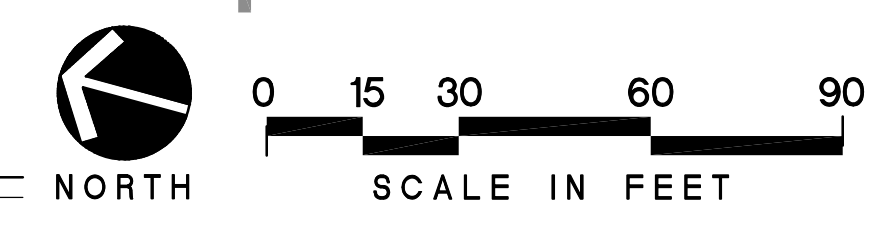
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Project Status: **BID DOCUMENTS**
 Date: 6/23/2021
 Project Number: 20020
 Sheet Title:
SITE PREPARATION PLAN - AREA B
 Sheet Number: **C102**

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STORMWATER POLLUTION PREVENTION PLAN - AREA A



Tuesday, November 09, 2021 10:38 AM

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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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Drawing History:	#	Date	Description
	#1	11-09-2021	Archeological Revisions

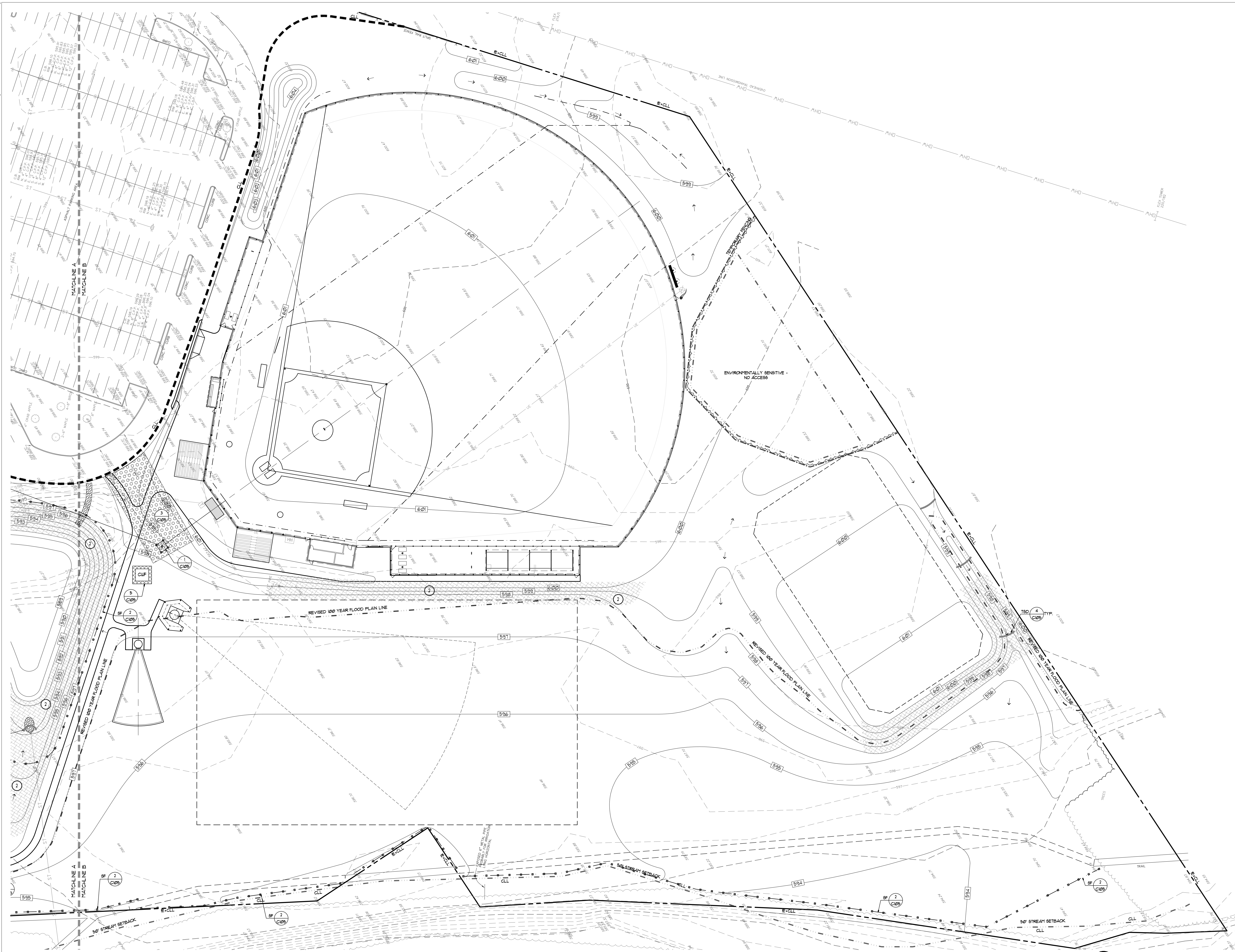
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Date: 6/23/2021
 Project Number: 2020
 Sheet Title:

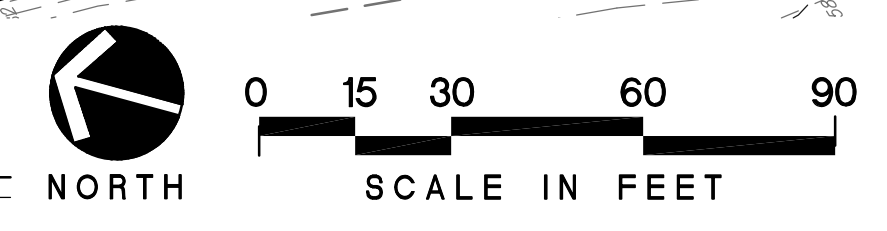
SWPPP PLAN - AREA A

Sheet Number: C103

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STORMWATER POLLUTION PREVENTION PLAN - AREA B



Thursday, April 25, 2022, 3:02 PM

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Client: CANISIUS HIGH SCHOOL
 Project: ATHLETIC FIELDS - PHASE 3
 Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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Drawing History:	#	Date	Description

Project Status: **BID DOCUMENTS**
 Date: 6/23/2021
 Project Number: 20020
 Sheet Title:
SWPPP PLAN - AREA B
 Sheet Number: C104

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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J STRANKSY MEMORIAL COMPLEX
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Drawing History: # Date Description

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Project Status: BID DOCUMENTS

Date: 6/23/2021

Project Number: 20020

Sheet Title:

SWPPP DETAILS

Sheet Number: C105

STORMWATER POLLUTION PREVENTION PLAN NOTES

OBJECTIVE

PREVENTION OF EROSION AND POLLUTION FROM STORMWATER RUNOFF FOR THE DURATION OF THIS PROJECT IS THE RESPONSIBILITY OF SITE CONTRACTOR. ALL STORMWATER POLLUTION PREVENTION CONTROL WORK INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INCLUDED IN THE SITE CONTRACTOR BASE BID. DAMAGES RESULTING FROM BUT NOT LIMITED TO NEGLIGENCE, IMPROPER MAINTENANCE OR GENERAL DISREGARD FOR EROSION CONTROL MEASURES SHALL BE IMMEDIATELY CORRECTED BY SITE CONTRACTOR TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, ENGINEER OR CERTIFIED EROSION CONTROL SPECIALIST HIRED BY THE OWNER FOR THE SUPPLY INSPECTIONS AS REQUIRED BY THE NYSDEC. DAMAGES RESULTING FROM OTHER CONTRACTORS SHALL BE REPAIRED BY SITE CONTRACTOR ON A TIME AND MATERIAL BASIS AND BE BACK CHARGED TO THE RESPONSIBLE PARTY. ANY FINES LEVIED ON THE OWNER BY GOVERNING AUTHORITIES FOR SWPPP VIOLATIONS SHALL BE BACK CHARGED TO THE RESPONSIBLE PARTY.

SITE DESCRIPTION

PROJECT NAME AND LOCATION: CANISIUS HIGH SCHOOL, 1800 DELAWARE AVENUE, BUFFALO, NY 14203
OWNER NAME AND ADDRESS: CANISIUS HIGH SCHOOL, 1800 DELAWARE AVENUE, BUFFALO, NY 14203
PROJECT DESCRIPTION: OWNER IS IN THE PROCESS OF OBTAINING APPROVAL FROM THE TOWN OF WEST SENeca PLANNING BOARD TO CONSTRUCT TWO BASEBALL FIELDS AND TENNIS COURTS AT THEIR EXISTING SPORTS CENTER. THIS PROJECT CONSISTS OF BUILDING ATHLETIC AND SITE RENOVATIONS OVER A SINGLE PHASE. SOIL DISTURBING ACTIVITIES SHALL INCLUDE: CLEARING AND GRUBBING, INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, AND OTHER EROSION AND SEDIMENT CONTROLS, GRADING, EXCAVATION FOR THE PLAYFIELDS, FRESHBOX, DUGOUTS, AND PREPARATION FOR FINAL SEEDING. THE PROJECT IS SCHEDULED TO BEGIN IN THE SUMMER OF 2021 AND BE COMPLETED IN THE FALL OF 2021.

SITE AREA:

THE SITE IS APPROXIMATELY 26.901 ACRES OF WHICH 16.131 ACRES SHALL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

SEQUENCING OF MAJOR ACTIVITIES:

THE SEQUENCING OF THE SITE SHALL CORRESPOND WITH SITE PHASING PLAN SHEET:

- 1) INSTALL OFFSITE TRACKING AND TEMPORARY ACCESS ROAD.
- 2) INSTALL SILT FENCE WHERE SHOWN AND ON DOWNHILL SLOPES AND ARCHEOLOGICAL SENSITIVE AREAS.
- 3) CONTINUE WITH SITE REMOVALS AND VEGETATION CLEARING.
- 4) STRIP AND STOCKPILE TO AREAS INDICATED, TEMPORARILY SEED AND PROTECT WITH SILT FENCE.
- 5) INSTALL SEDIMENT BASIN TEMPORARY OUTLET TRAP AND UPPER SITE CUTOFF DRAINAGE. STABILIZE AREA WITH TEMPORARY SEEDING AND TSD'S.
- 6) INITIATE NECESSARY CUT AND FILLS TO SUBGRADE OF BUILDING AND SURROUNDS.
- 7) INSTALL DRAINAGE, RETAINING WALLS, OTHER UTILITIES, STABILIZE SLOPES WITH STRAW MATS, CURBS, AND GUTTERS.
- 8) INSTALL SITE FEATURES INCLUDING STAIRS, RAMPS, PLAYSCAPES, FENCING, ETC.
- 9) INSTALL PAVEMENT SUBGRADES, CURBS, AND GUTTERS. INSTALL ASPHALT PAVING AND CONCRETE WALKS.
- 10) SPREAD TOPSOIL ON BASEBALL FIELD AND ALL LAWN AREAS.
- 11) SEED AND SOIL LAWN AREAS AS INDICATED, AND INSTALL PLANTINGS.
- 12) FERTILIZE WATER AND MOU LAWN AREAS.
- 13) REMOVE ALL MECHANICAL EROSION CONTROL AFTER LAWN IS STABILIZED.

NAME OF RECEIVING WATERS:

THE RUNOFF FROM THE SITE FLOWS INTO AN EXISTING UET POND WHICH IS REGULATED INTO BUFFALO CREEK. GREATER THAN THE 100 YEAR STORM OVERFLOW IS DIRECTED INTO THE NEIGHBORING OXBOW THEN INTO BUFFALO CREEK.

CONTROLS

STABILIZATION PRACTICES

TEMPORARY STABILIZATION: STABILIZE TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 1 DAYS WITH TEMPORARY SEED AND MULCH. REFER TO SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL PERMANENT PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION: STABILIZE DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES WITH PERMANENT SEED NO LATER THAN 1 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. REFER TO SEEDING SPECIFICATIONS.

STORM WATER MANAGEMENT

STORMWATER DRAINAGE SHALL BE PROVIDED BY STORMWATER MANAGEMENT TRENCHES, DRYWELLS, IMPROVED TOPSOIL ATHLETIC FIELDS, PROPOSED STORMWATER BASIN.

WASTE DISPOSAL

WASTE MATERIALS: COLLECT AND STORE ALL SITE RELATED WASTE MATERIALS. THE DUMPSTERS SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY. NO BUILDING OR CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON-SITE.

HAZARDOUS MATERIALS: DISPOSE ALL SITE RELATED HAZARDOUS WASTE MATERIALS IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.

BANITARY WASTE: DISPOSE ALL BANITARY WASTE FROM PORTABLE UNITS A MINIMUM OF THREE TIME PER WEEK OR AS REQUIRED BY LOCAL REGULATION.

OFF SITE VEHICLE TRACKING

PROVIDE STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. SWEEP THE PAVED STREET ADJACENT TO THE SITE ENTRANCE DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN, REPAIR OR RESEALAGE OFF SITE TRACKING STONE AS MUD OR DEBRIS IS ACCUMULATED.

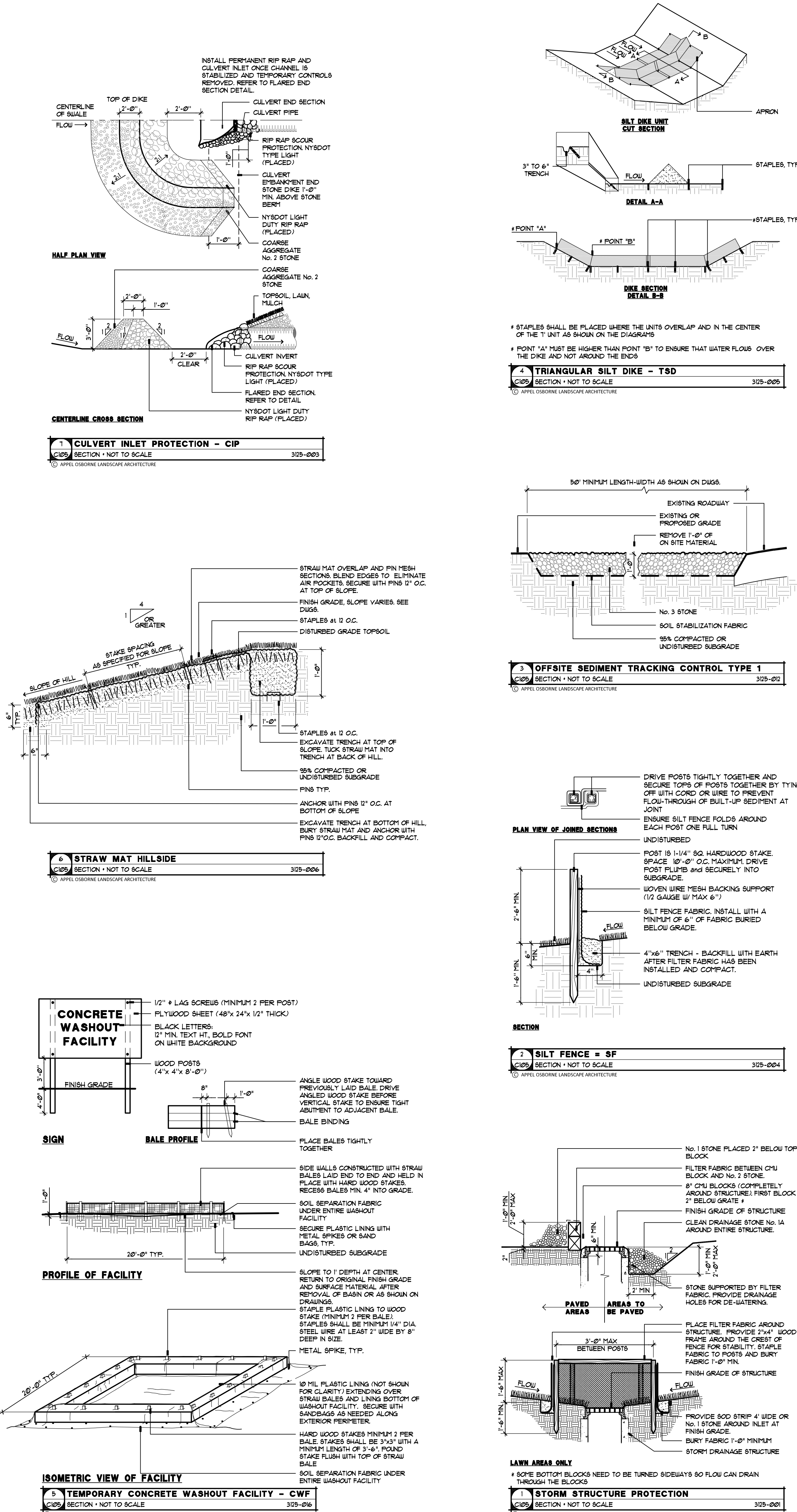
TIMING OF CONTROLS / MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE TEMPORARY EROSION AND SEDIMENT CONTROLS, STABILIZED CONSTRUCTION ENTRANCES AND STAGING AREA SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 1 DAYS SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT LAWN. AFTER THE SITE IS STABILIZED, ANY ACCUMULATED SEDIMENT AND THE TEMPORARY CONTROLS SHALL BE REMOVED, ANY DISTURBED AREAS NOT STABILIZED PRIOR TO SNOW FALL SHALL RECEIVE DRY MULCH TO PROTECT DURING WINTER MONTHS.

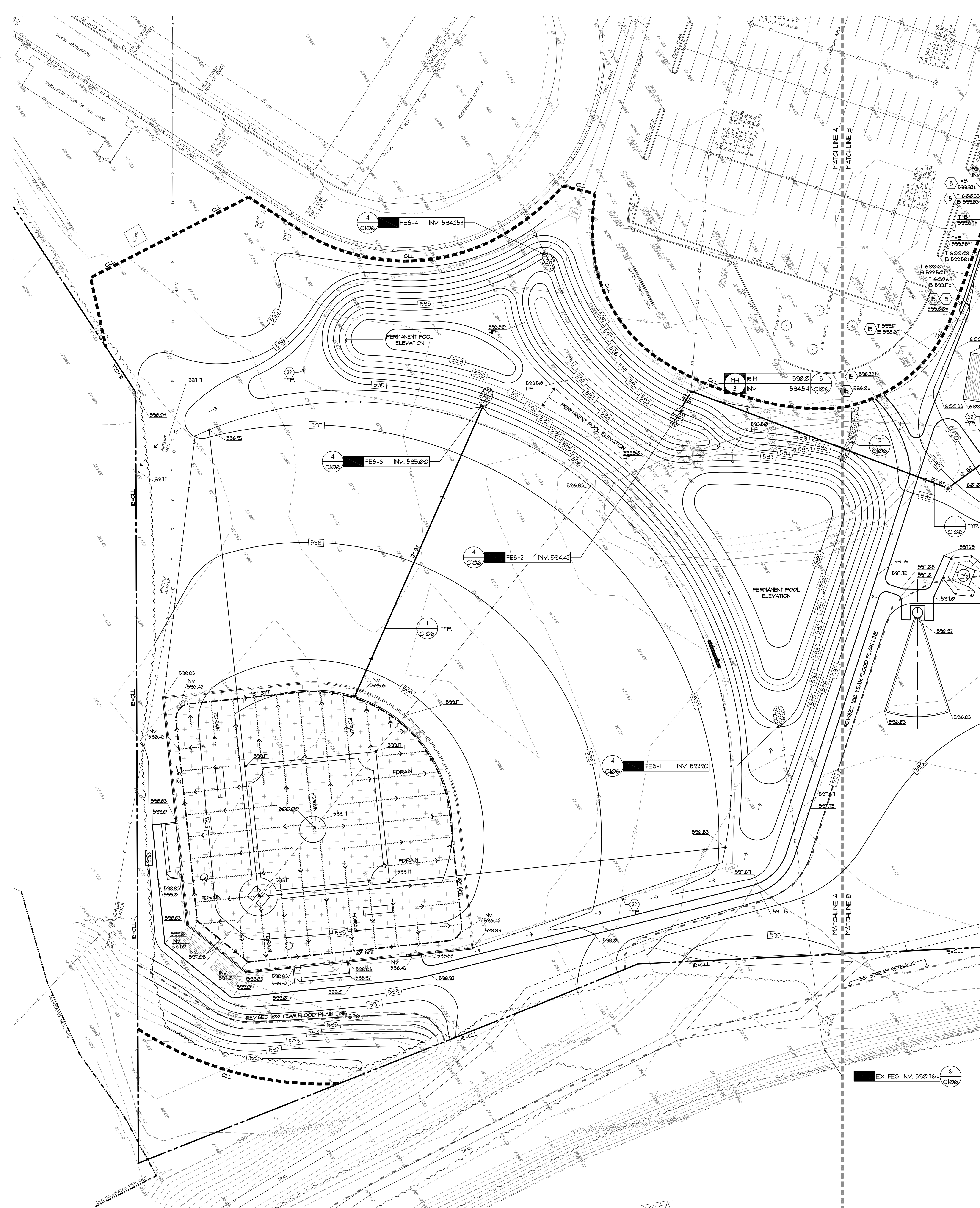
CERTIFICATIONS

PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR, SITE EARTHWORK CONTRACTOR, SITE LANDSCAPING CONTRACTOR AND OTHER SUBCONTRACTORS AS DETERMINED BY THE ARCHITECT SHALL SIGN CERTIFICATION NOTED IN SPECIFICATION 31.25(0).

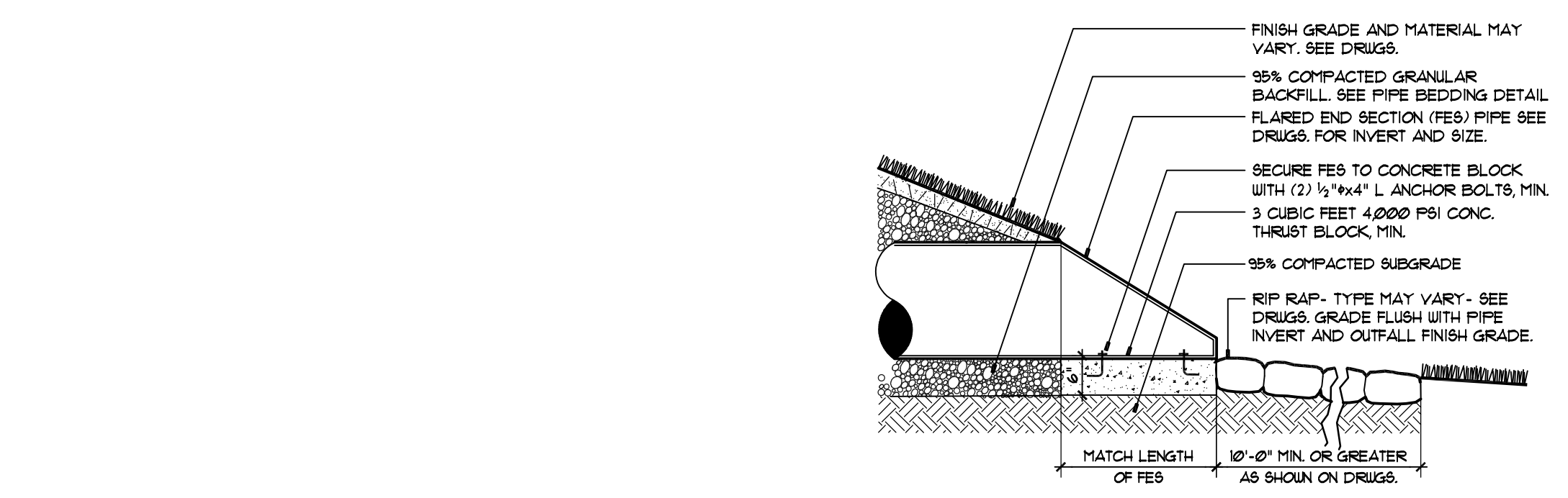
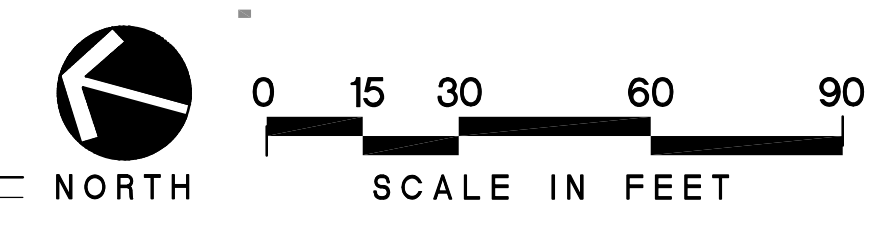
ALL EROSION, SEDIMENT AND POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND REQUIREMENTS FOR A STATE POLLUTION DISCHARGE ELIMINATION (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FOR CONSTRUCTION ACTIVITY. THE SPDES PERMIT (GP-0-12-001) IS PURSUANT TO THE NYSDEC AND FEDERAL ENVIRONMENTAL CONSERVATION LAW AND HAS PENALTIES AND FINES RELATED TO VIOLATIONS.



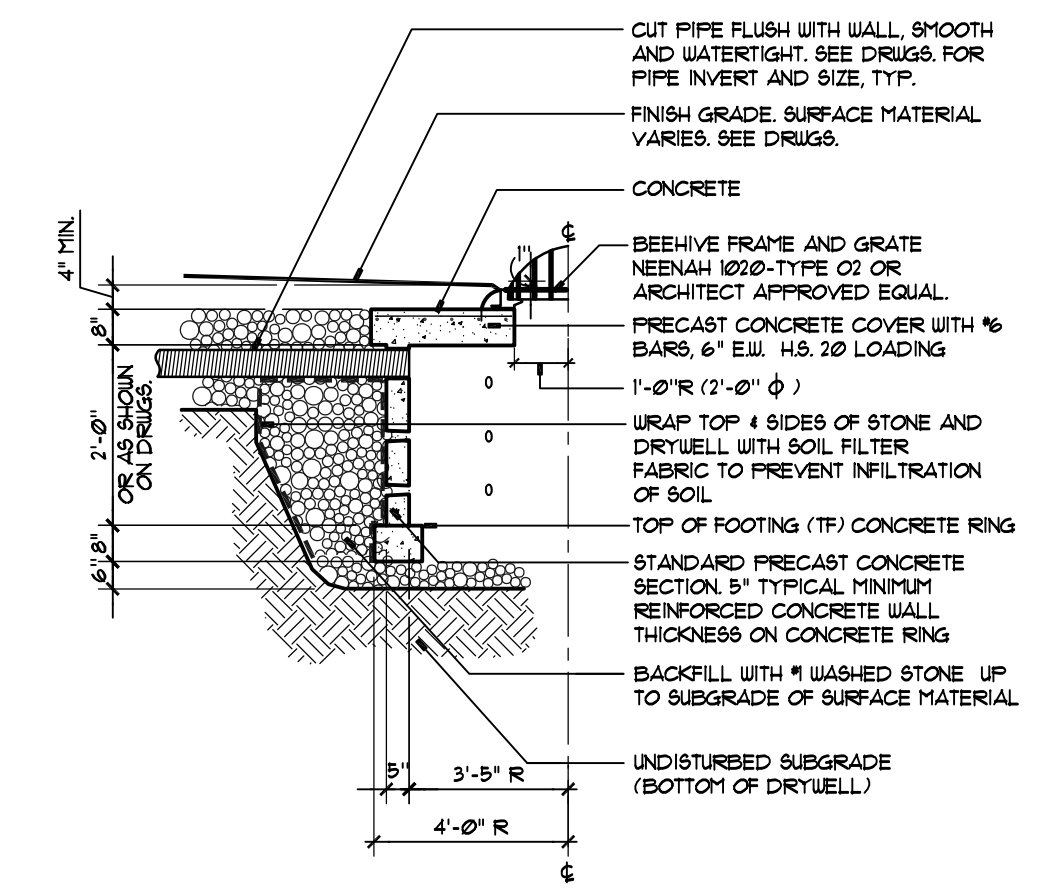
1 CULVERT INLET PROTECTION - CIP 305-063
2 TRIANGULAR SILT DIKE - TSD 305-065
3 OFFSITE SEDIMENT TRACKING CONTROL TYPE 1 305-061
4 STRAW MAT HILLSIDE 305-066
5 SILT FENCE - SF 305-064
6 TEMPORARY CONCRETE WASHOUT FACILITY - CWF 305-068



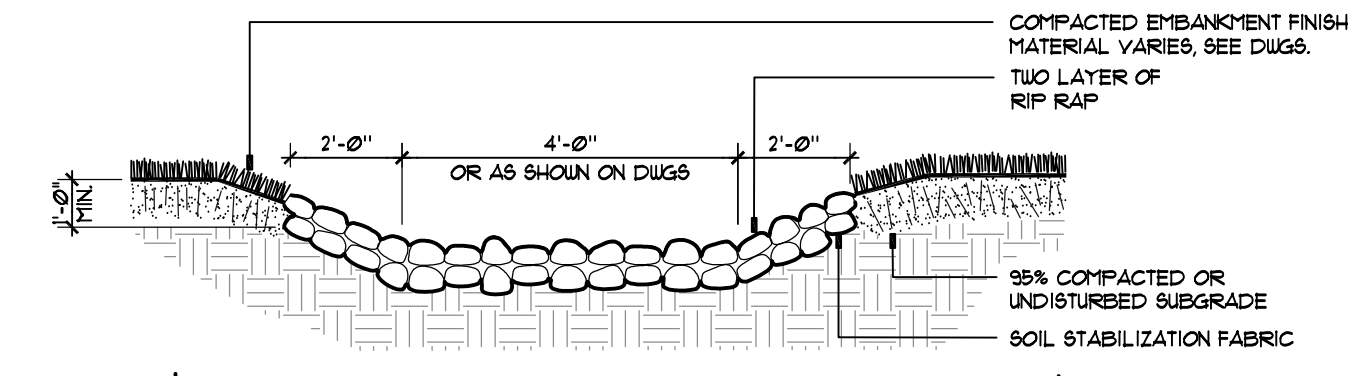
GRADING and UTILITY PLAN - AREA A



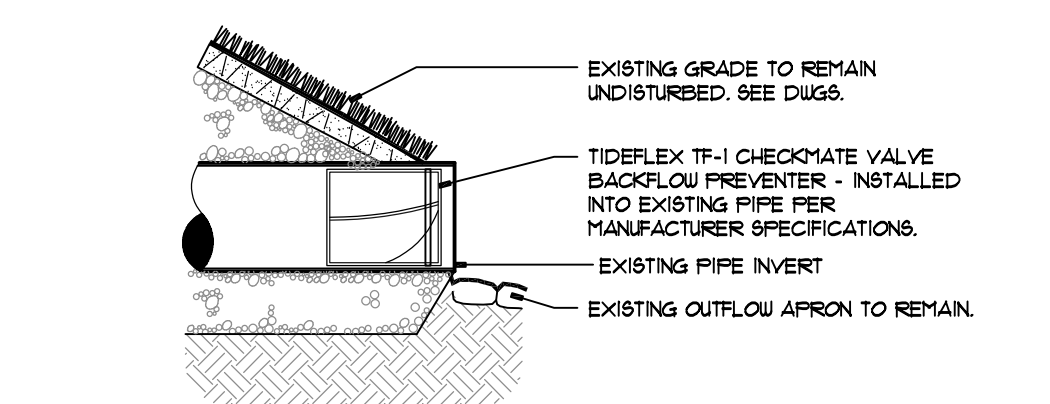
4 FLARED END SECTION WITH RIP RAP = FES
SECTION - NOT TO SCALE
3340-21A



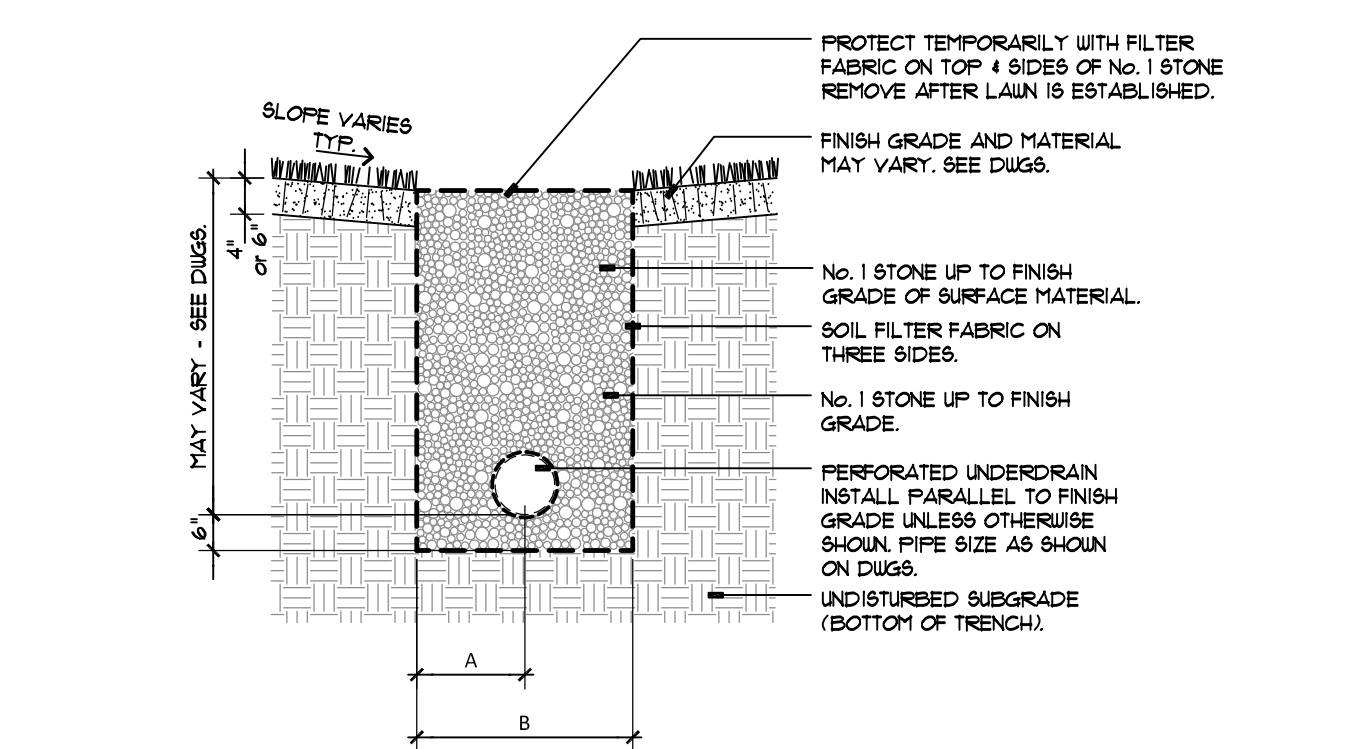
5 SHALLOW DRYWELL - DW
SECTION - NOT TO SCALE
3340-21B



3 RIP RAP SWALE
SECTION - NOT TO SCALE
305-025

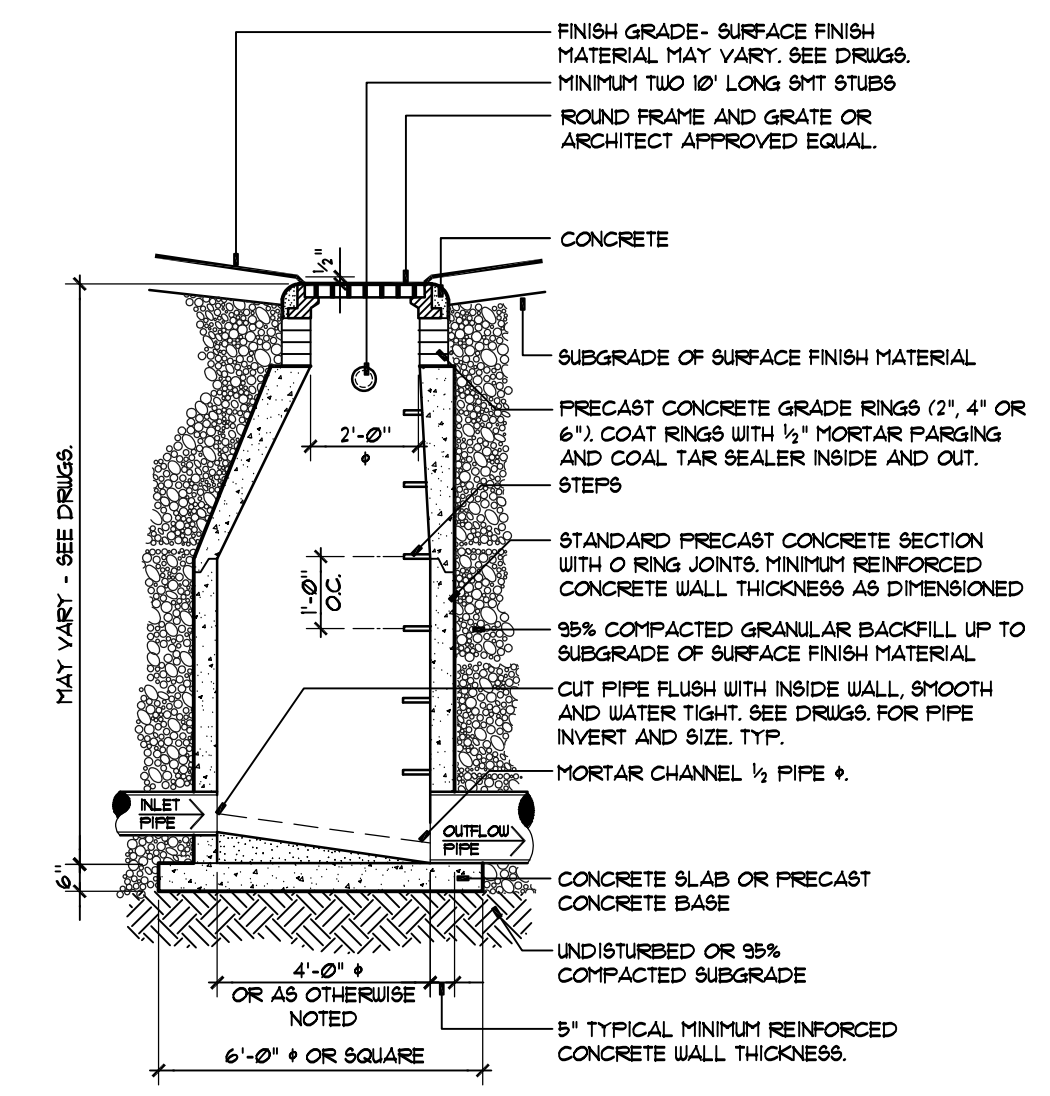


SECTION
6 BACKFLOW PREVENTION VALVE
SECTION - NOT TO SCALE
3340-213

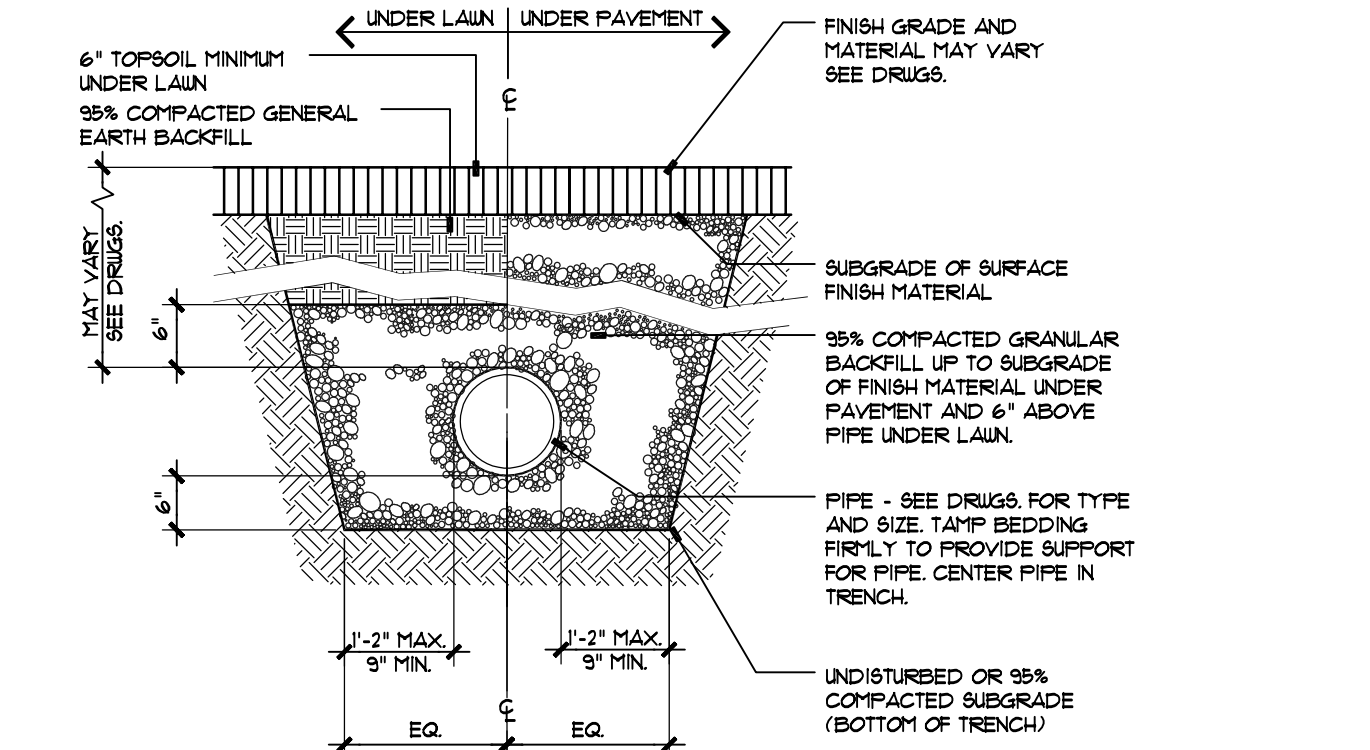


PIPE SIZE	A	B	NOTES	PIPE SIZE	A	B	NOTES
2"	6"	1'-0"	FLEXIBLE	14"	3'-0"	3'-0"	FLEXIBLE
6"	6"	1'-0"	FLEXIBLE	20"	2'-0"	4'-0"	FLEXIBLE
8"	1'-0"	2'-0"	FLEXIBLE				

2 STORMWATER MGMT TRENCH TYPE 2 = SMT-2
SECTION - NOT TO SCALE
3340-125



6 STORM MANHOLE = MH
SECTION - NOT TO SCALE
3340-205A



PIPE BEDDING WITH GRANULAR BACKFILL
SECTION - NOT TO SCALE
3340-105A



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Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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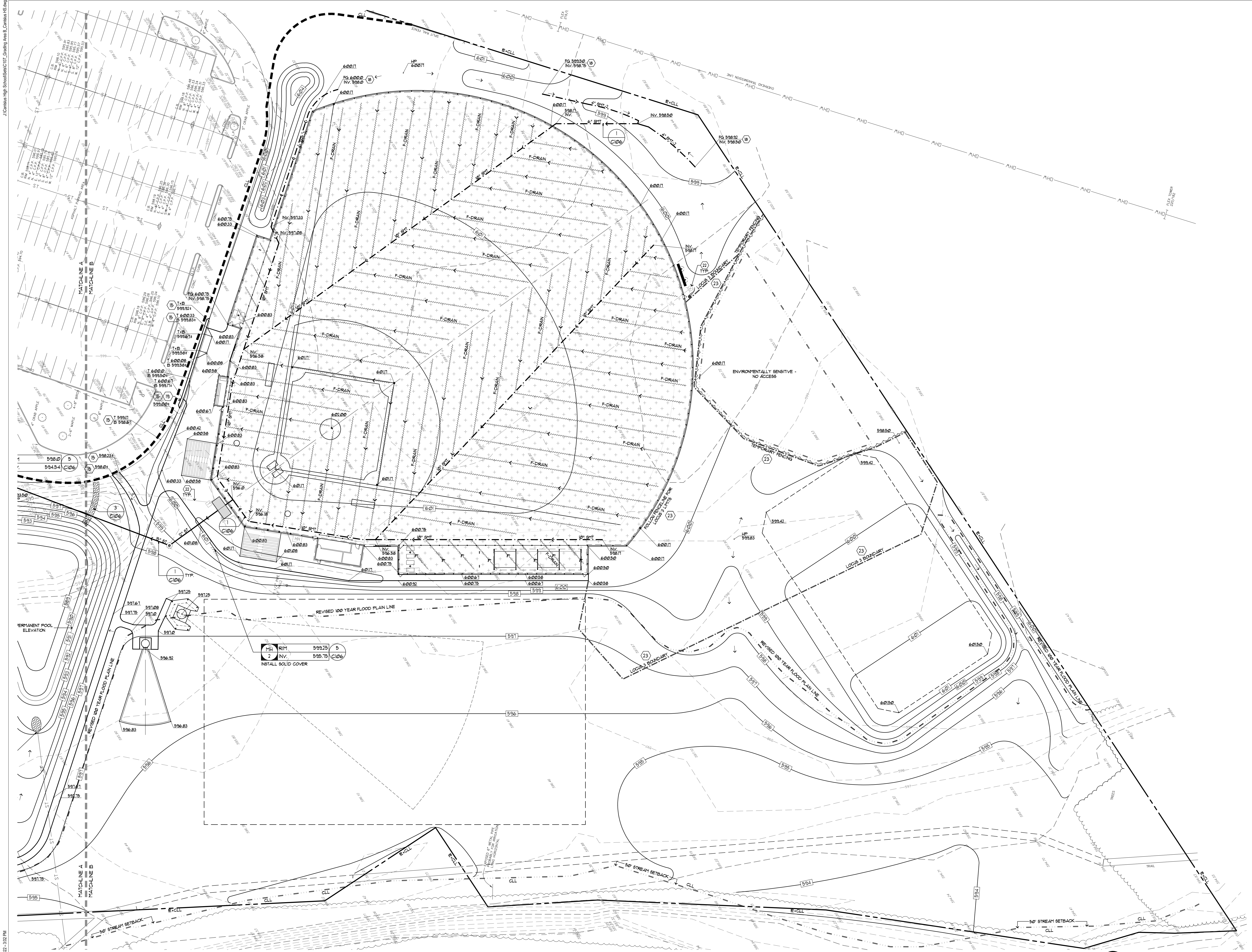
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#1 11-09-2021 Archeological Revisions

Project Status: BID DOCUMENTS

Date: 6/23/2021
Project Number: 20202
Sheet Title:

GRADING and UTILITY PLAN - AREA A


Sheet Number: C106



GRADING and UTILITY PLAN - AREA B

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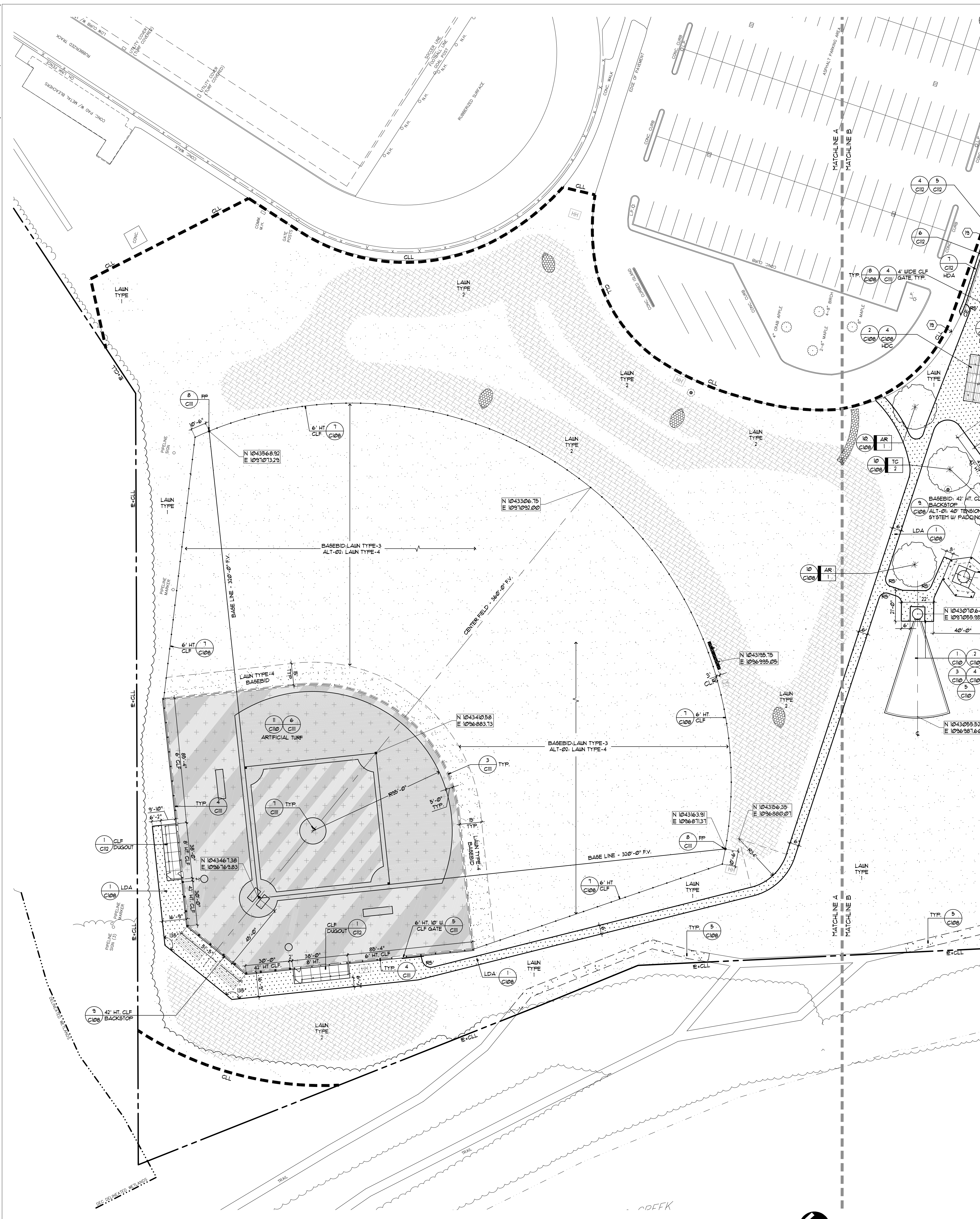
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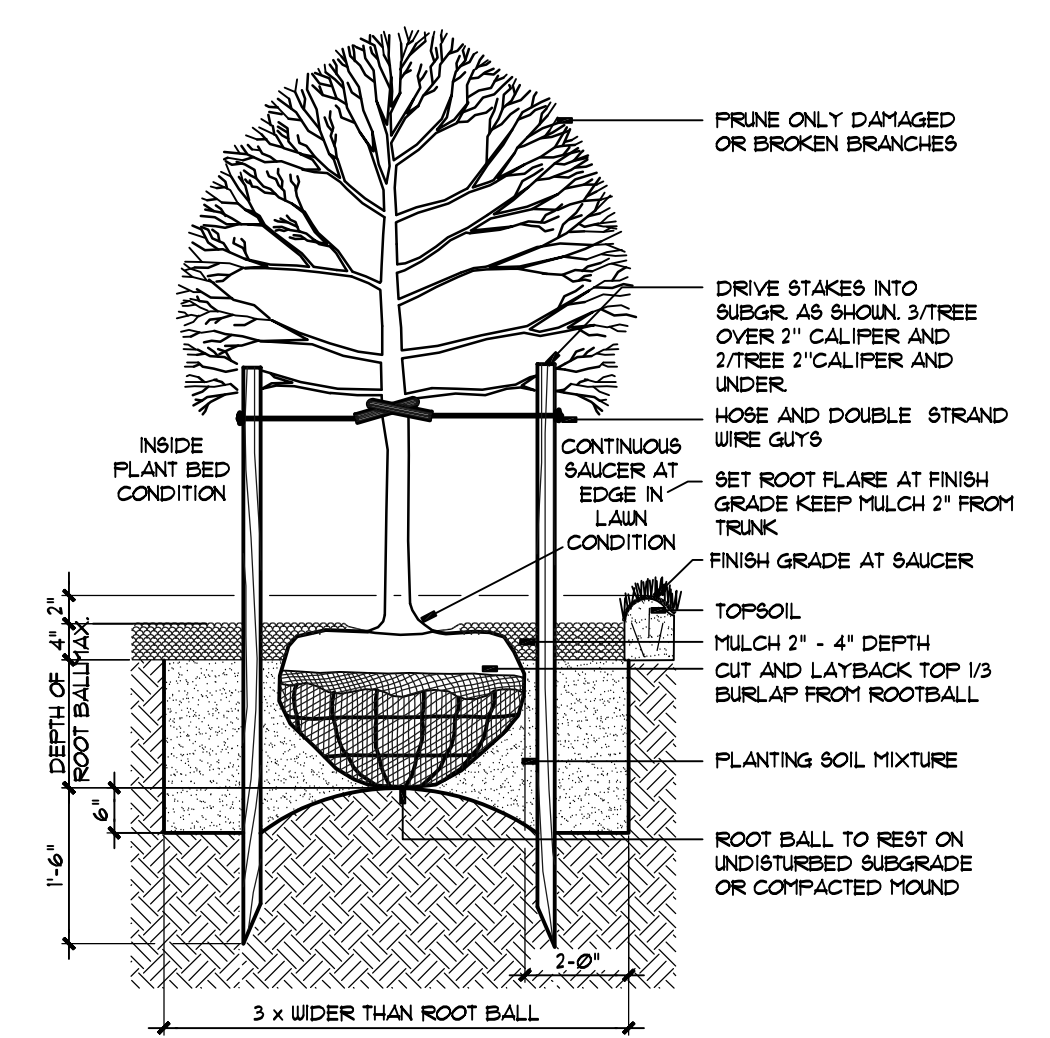
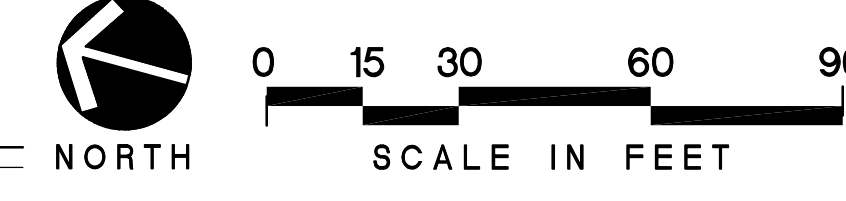
Client: **CANISIUS HIGH SCHOOL**
 Project: **ATHLETIC FIELDS - PHASE 3**
 Project Address: **ROBERT J. STRANSKY MEMORIAL COMPLEX
 285 CLINTON STREET
 WEST SENECA, NEW YORK 14224**

Drawing History:	#	Date	Description

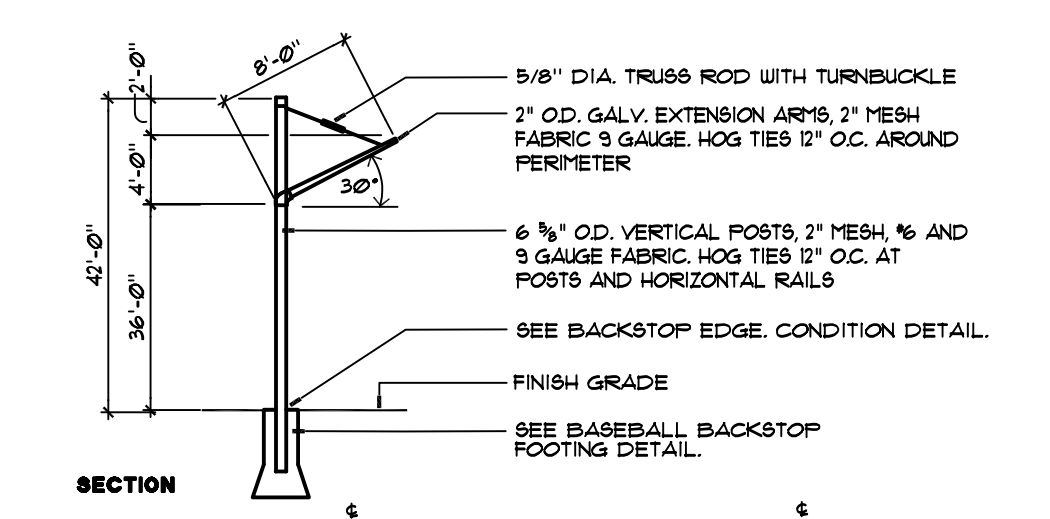
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 Date: 6/23/2021
 Project Number: 20020
 Sheet Title:
GRADING and UTILITY PLAN - AREA B
 Sheet Number: **C107**



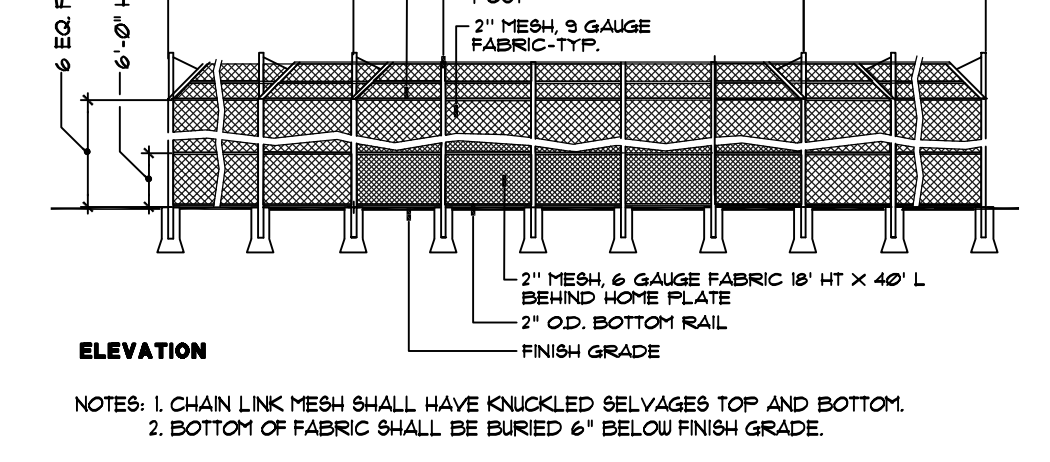
LAYOUT PLAN - AREA A



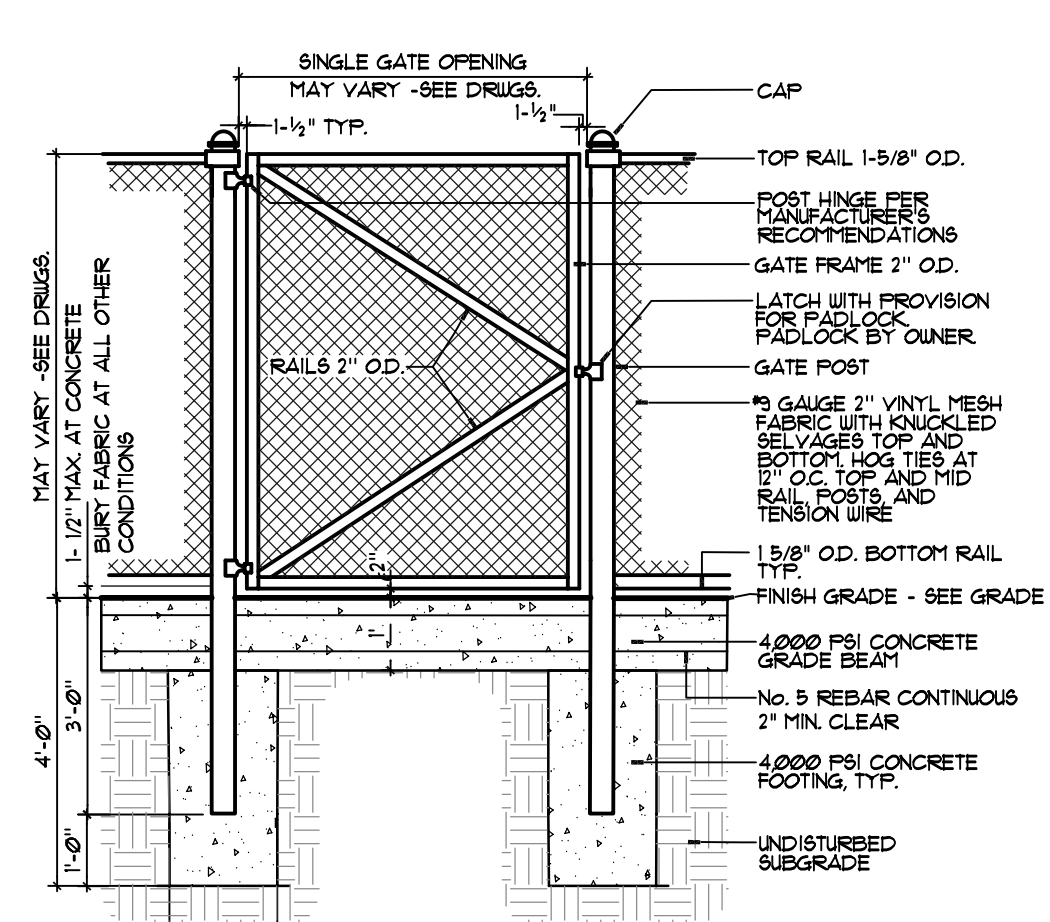
DECIDUOUS TREE PLANTING - SINGLE STEM
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



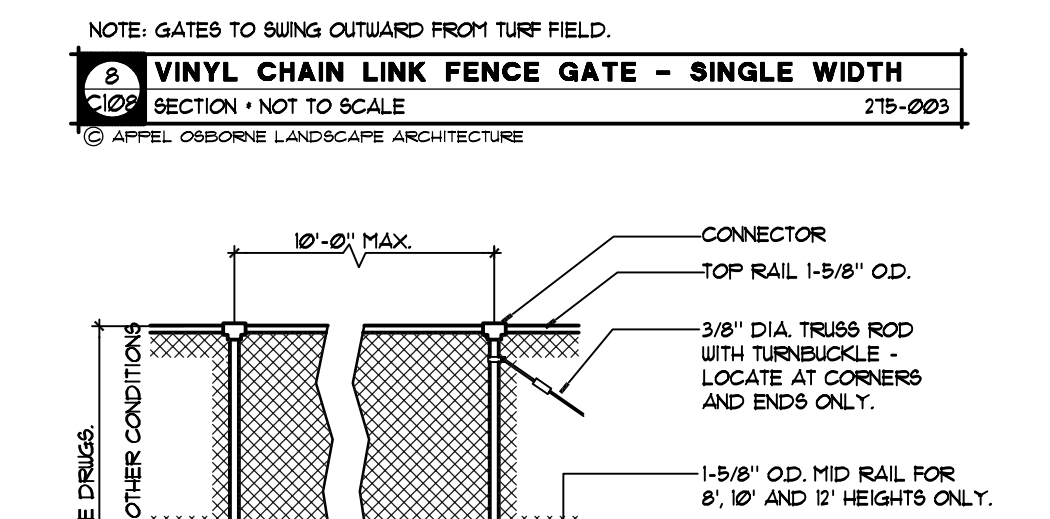
BASEBALL BACKSTOP WITH CANOPY - 42' HT.
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



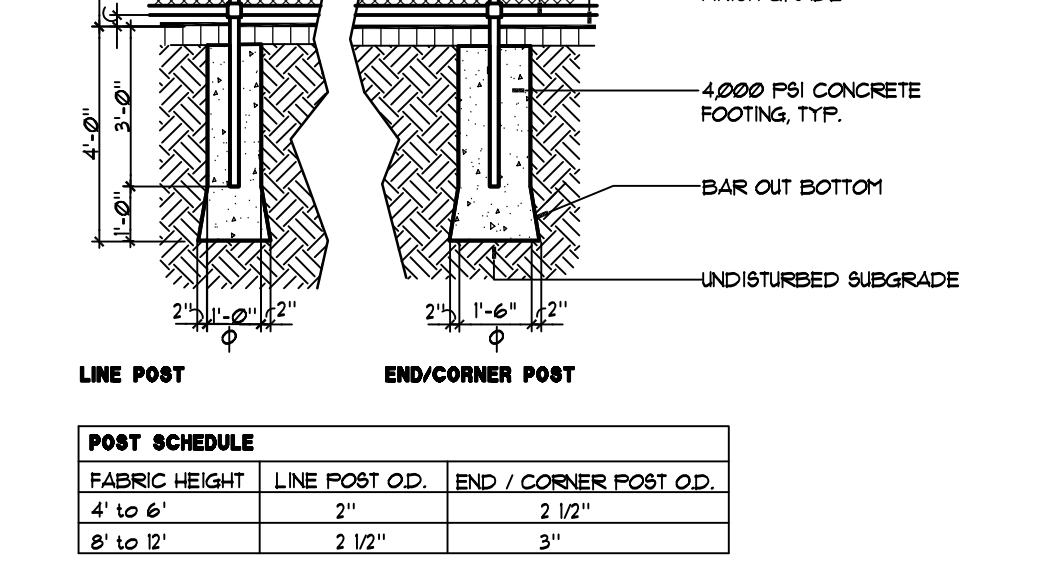
VINYL CHAIN LINK FENCE GATE - SINGLE WIDTH
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



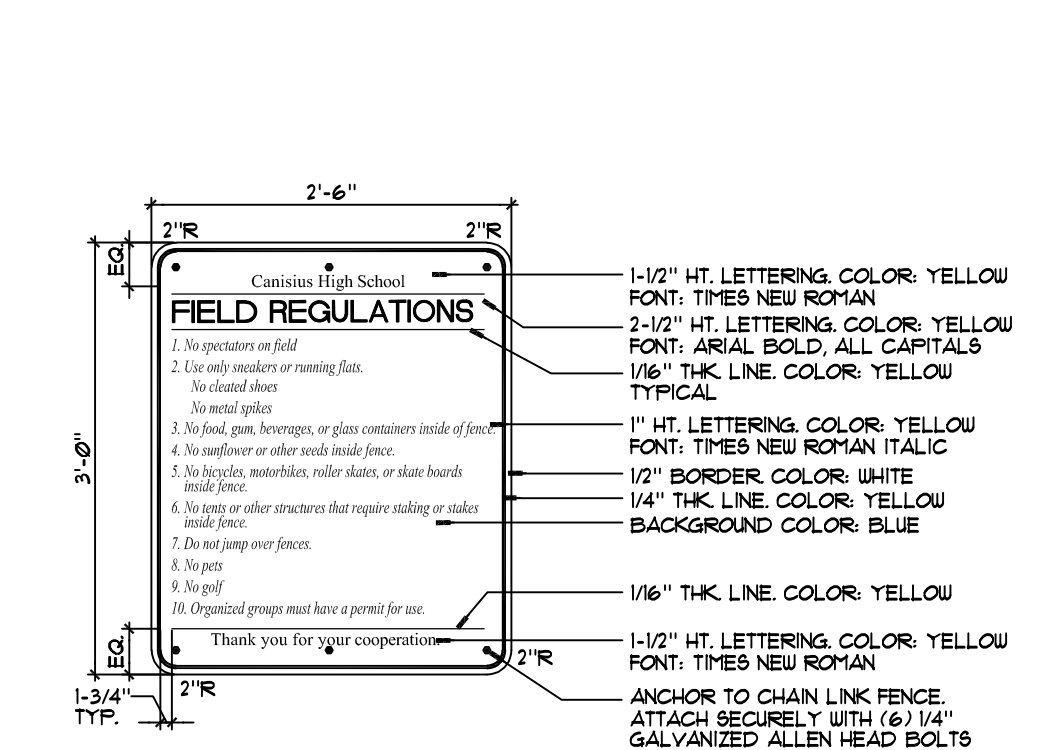
VINYL CHAIN LINK FENCE = CLF
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



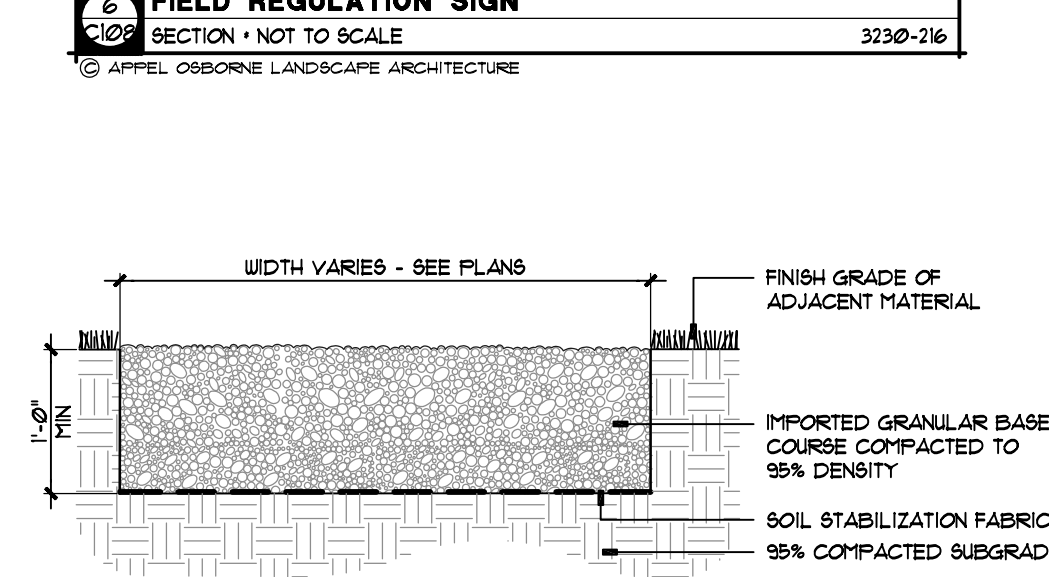
CONCRETE WALK AND FINISHED PAD
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



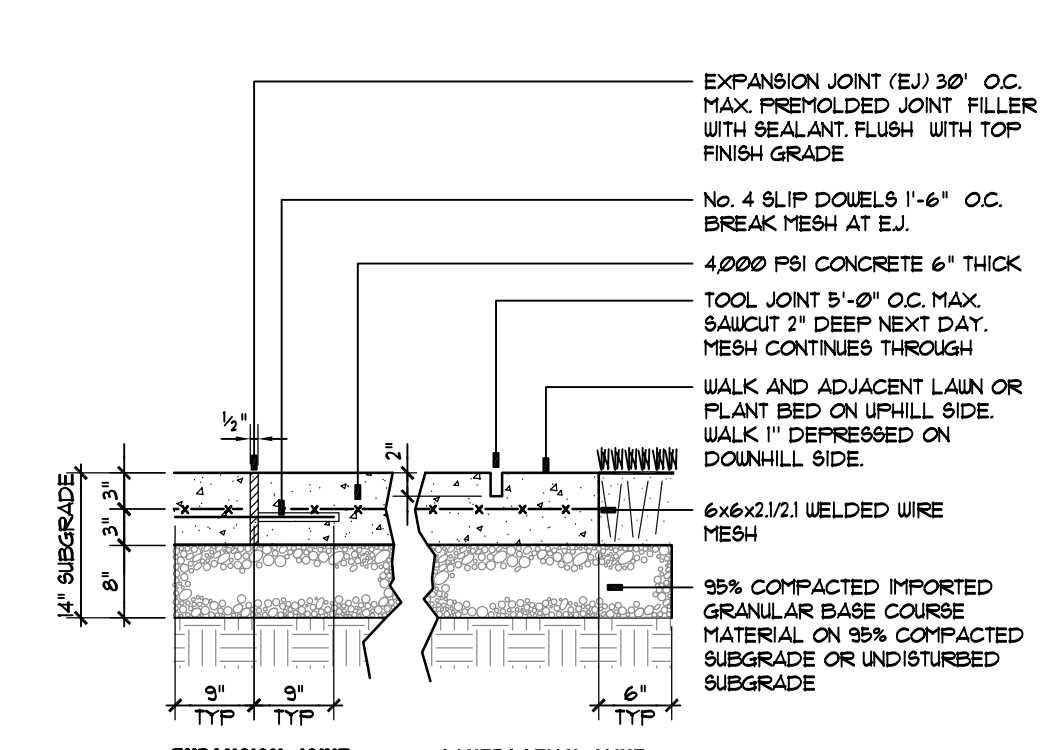
LIGHT DUTY ASPHALT PAVEMENT = LDA
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



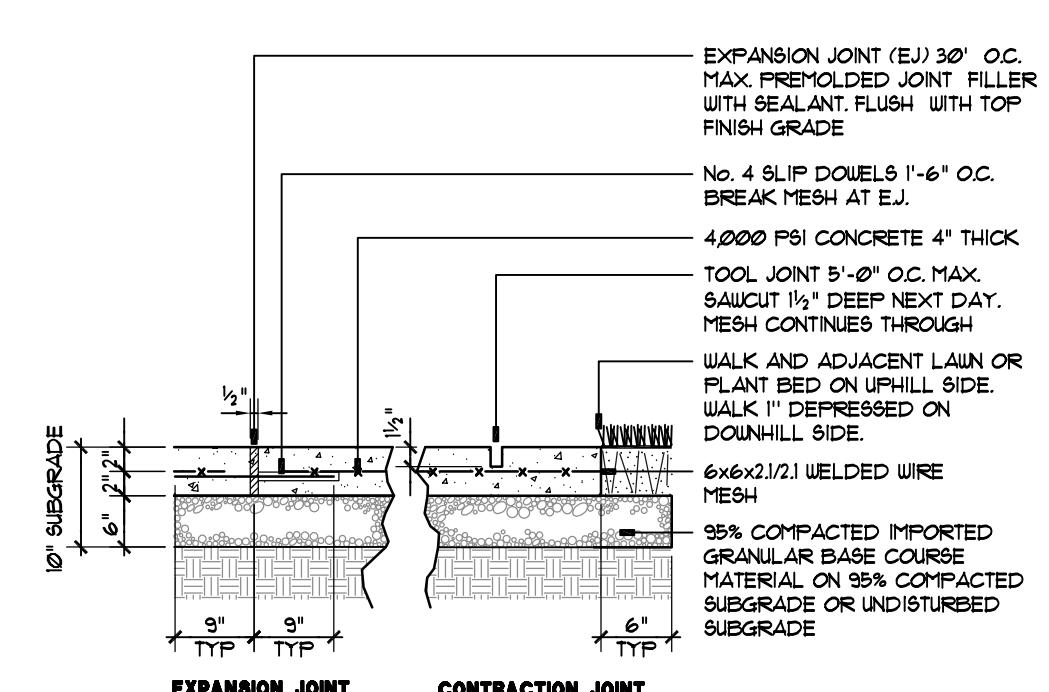
FIELD REGULATIONS SIGN
SECTION - NOT TO SCALE
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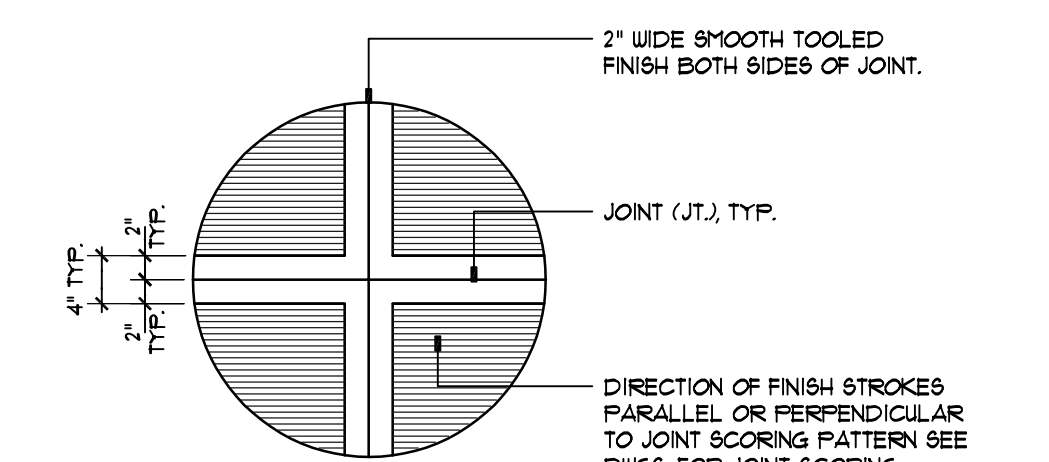
GRAVEL PAVEMENT
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



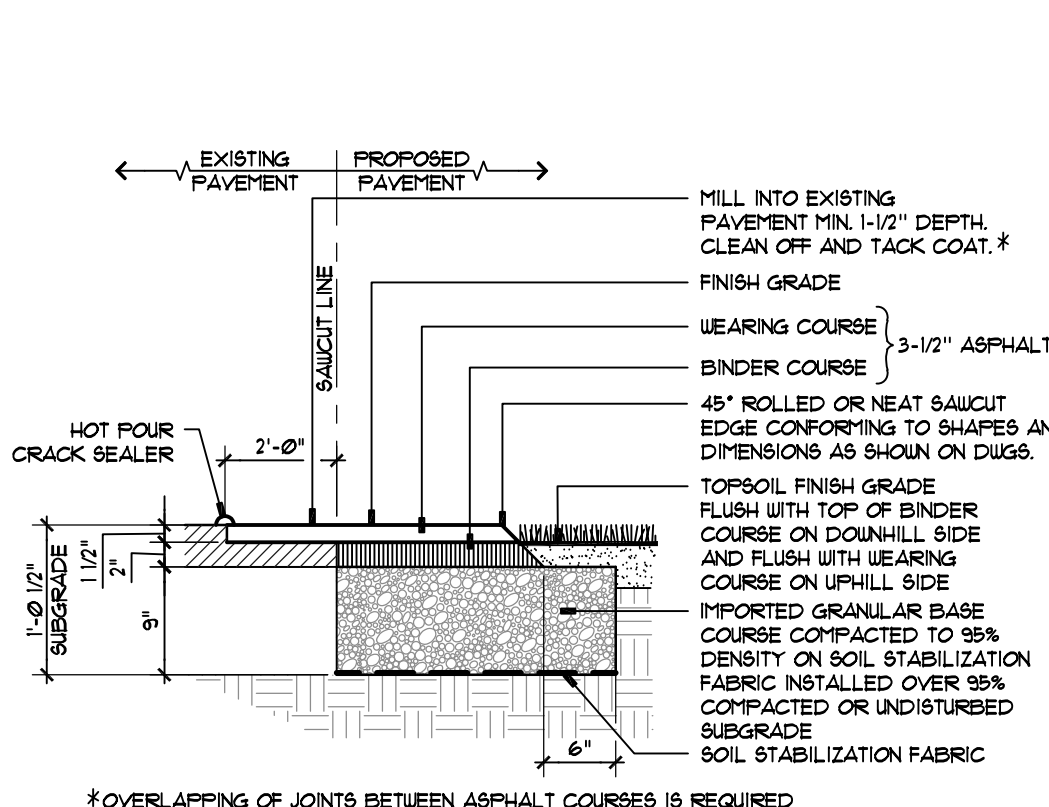
CONCRETE PAD - HEAVY DUTY = HDC
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



CONCRETE WALK - STANDARD
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



PICTURE FRAME
SECTION - NOT TO SCALE
APPTEL OSBORNE LANDSCAPE ARCHITECTURE



LIGHT DUTY ASPHALT PAVEMENT = LDA
SECTION - NOT TO SCALE
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Client: CANISIUS HIGH SCHOOL
Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
2885 CLINTON STREET
WEST SENECA, NEW YORK 14224

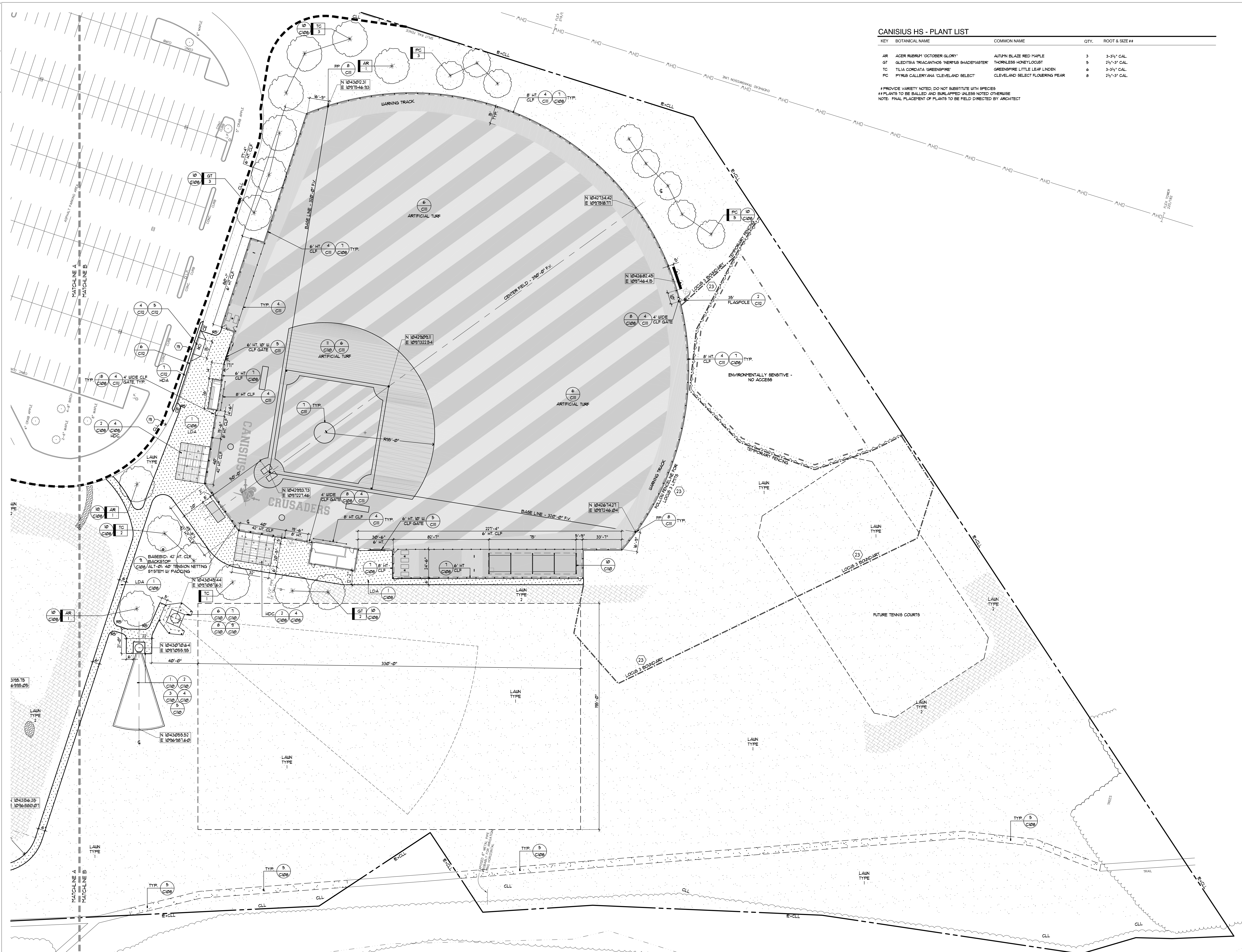
Drawing History:	#	Date	Description
#1	11-09-2021	Archeological Revisions	

Project Status: **BID DOCUMENTS**

Date: 6/23/2021
Project Number: 20202
Sheet Title:

LAYOUT PLAN - AREA A

Sheet Number: **C108**

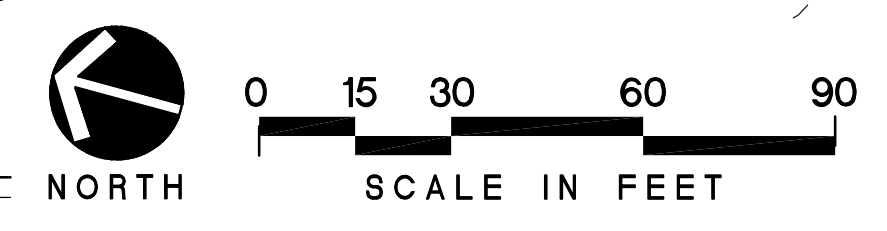


CANISIUS HS - PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	ROOT & SIZE #
AR	ACER RUBRUM 'OCTOBER GLORY'	AUTUMN GLAZE RED MAPLE	3	3-3 1/2" CAL.
GT	GLEDTISIA TRIACANTHOS 'NERIUS SHADENASTER'	THORNLESS HONEYLOCUST	5	2 1/2" - 3" CAL.
TC	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLE LEAF LINDEN	6	3-3 1/2" CAL.
PC	PYRUS CALLERYANA 'CLEVELAND SELECT'	CLEVELAND SELECT FLOWERING PEAR	6	2 1/2" - 3" CAL.

PROVIDE VARIETY NOTED. DO NOT SUBSTITUTE WITH SPECIES
 ## PLANTS TO BE CALLED AND DIMENSIONS UNLESS NOTED OTHERWISE
 NOTE: FINAL PLACEMENT OF PLANTS TO BE FIELD DIRECTED BY ARCHITECT

LAYOUT PLAN - AREA B



TRAUTMAN ASSOCIATES
 ARCHITECTS / ENGINEERS
 37 Franklin Street, Suite 100
 Buffalo, New York 14202
 P 716 883 4400
 F 716 883 4268
 TrautmanAssociates.com

Consultants:
appel osborne
 landscape architecture
 102 West Division Street, Suite 100
 Syracuse, NY 13204 | (315) 475-3222
 10 Elk Street, Suite 400
 Buffalo, NY 14220 | (716) 476-1022

Signature & Seal:

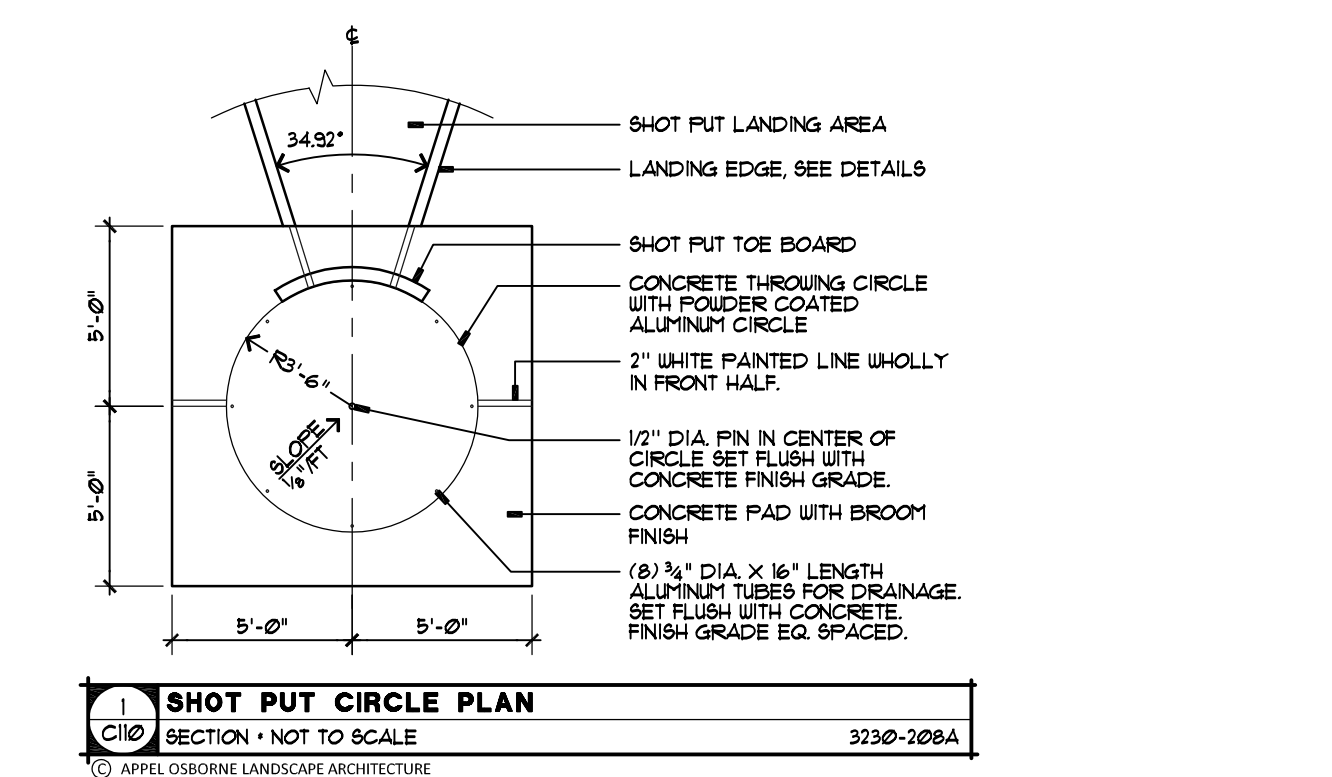
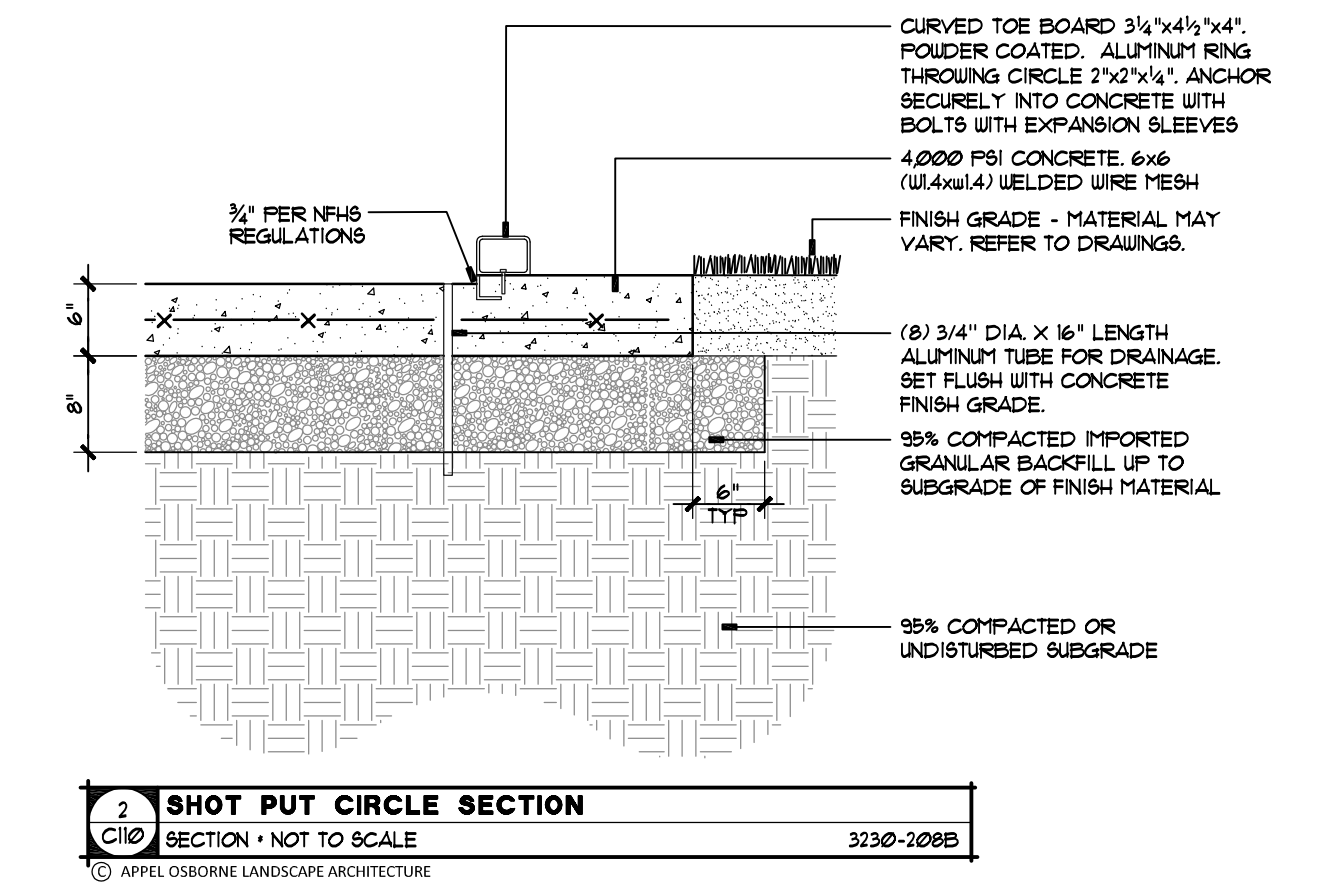
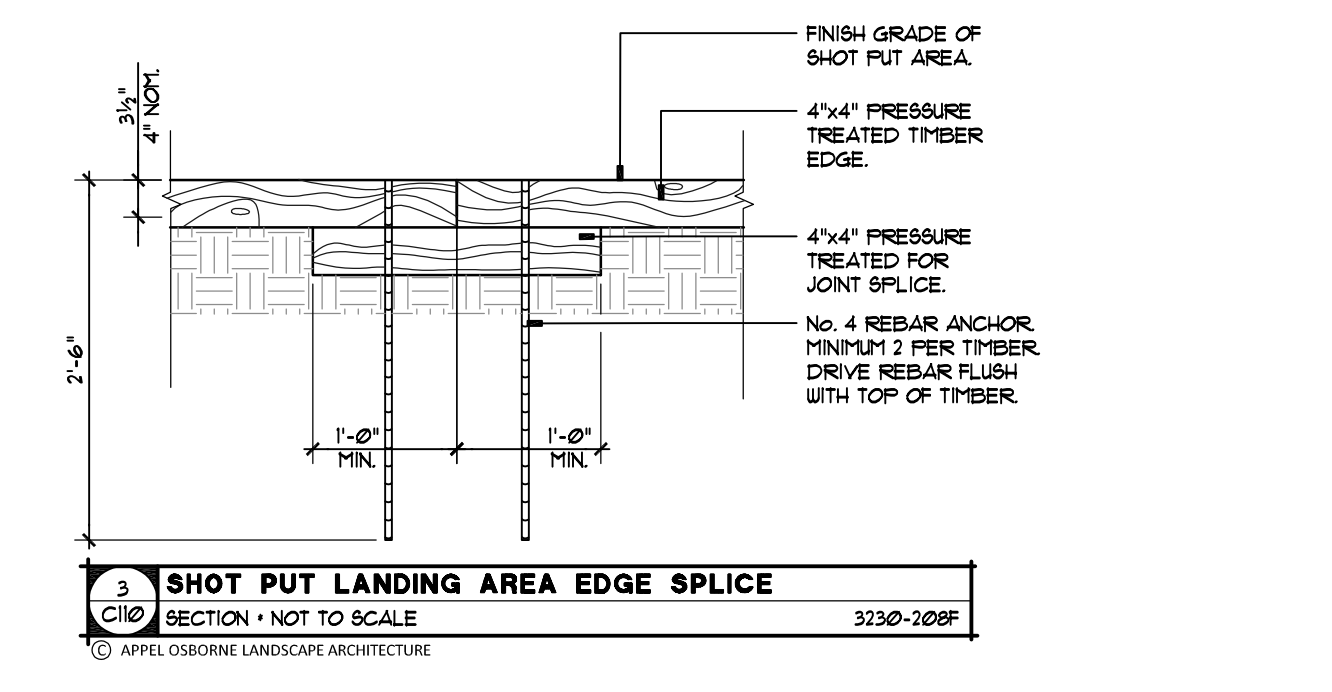
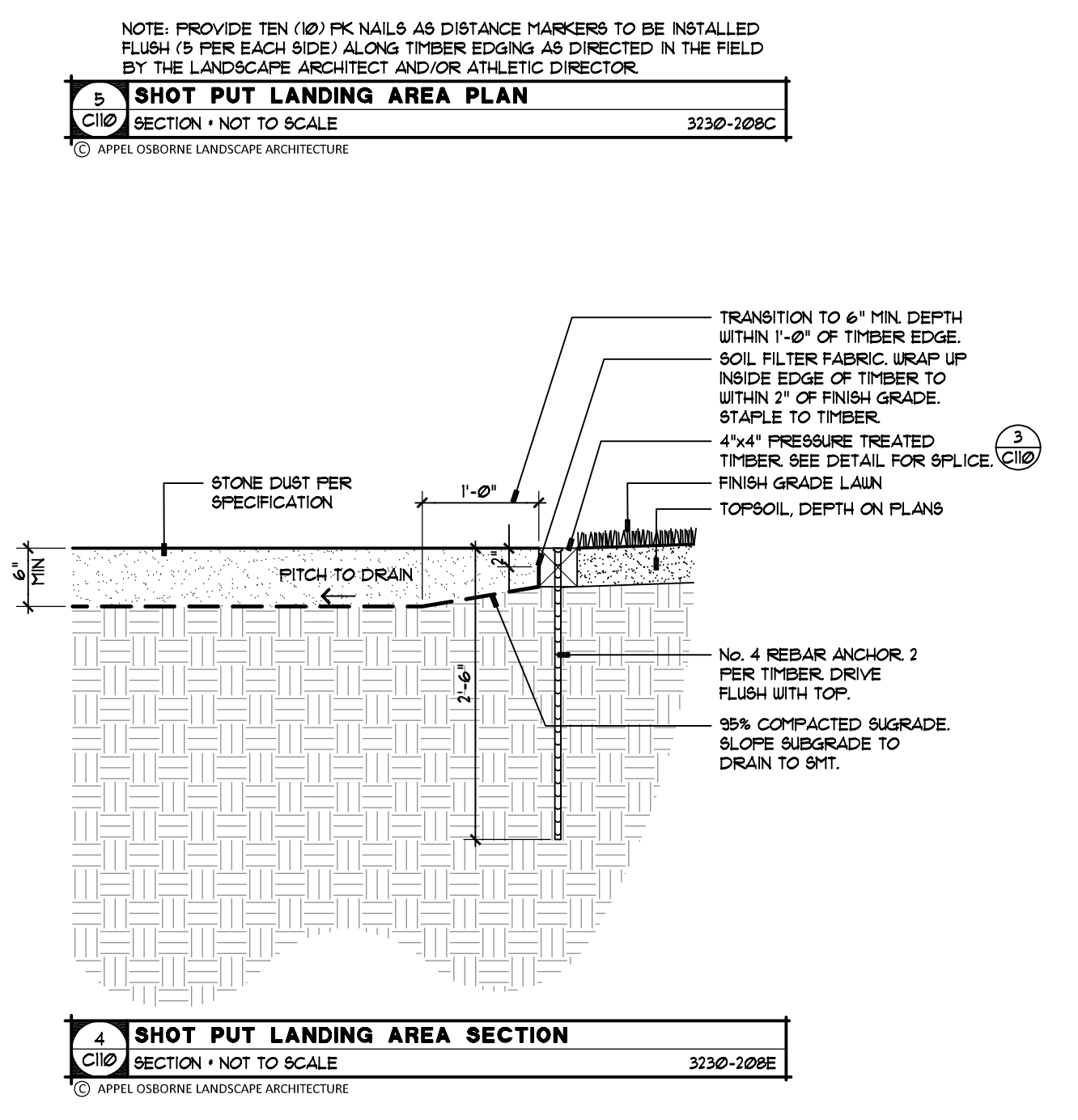
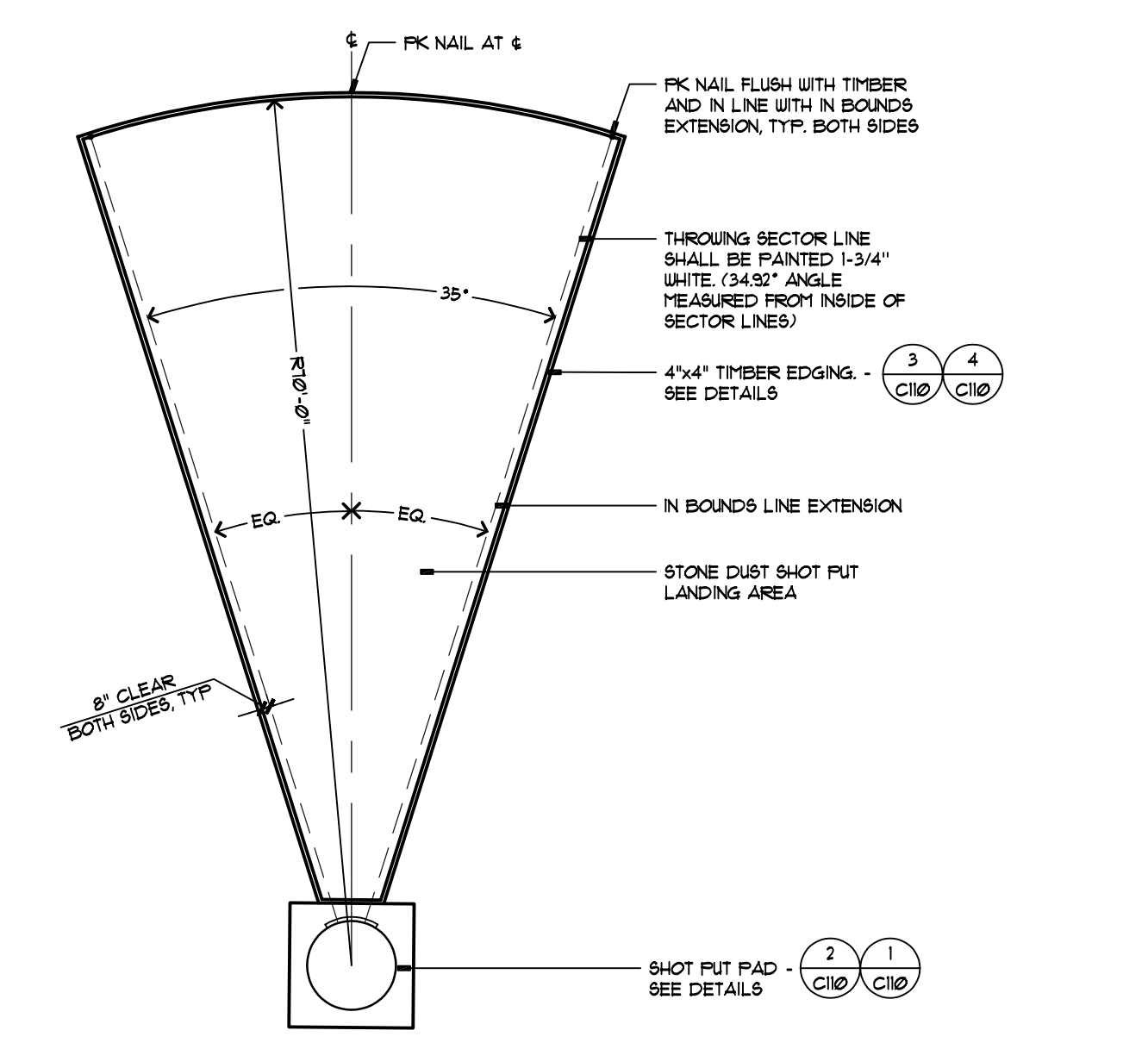
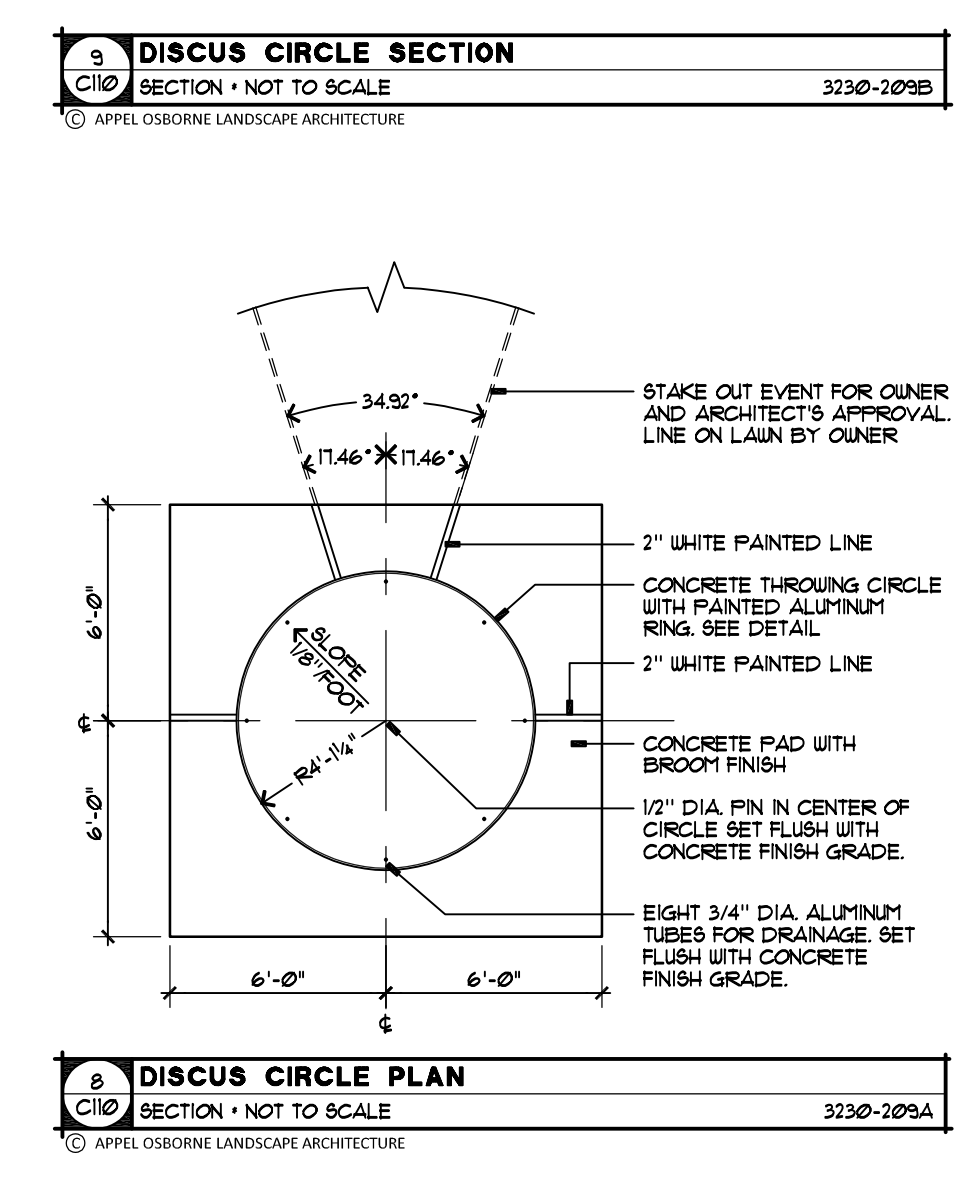
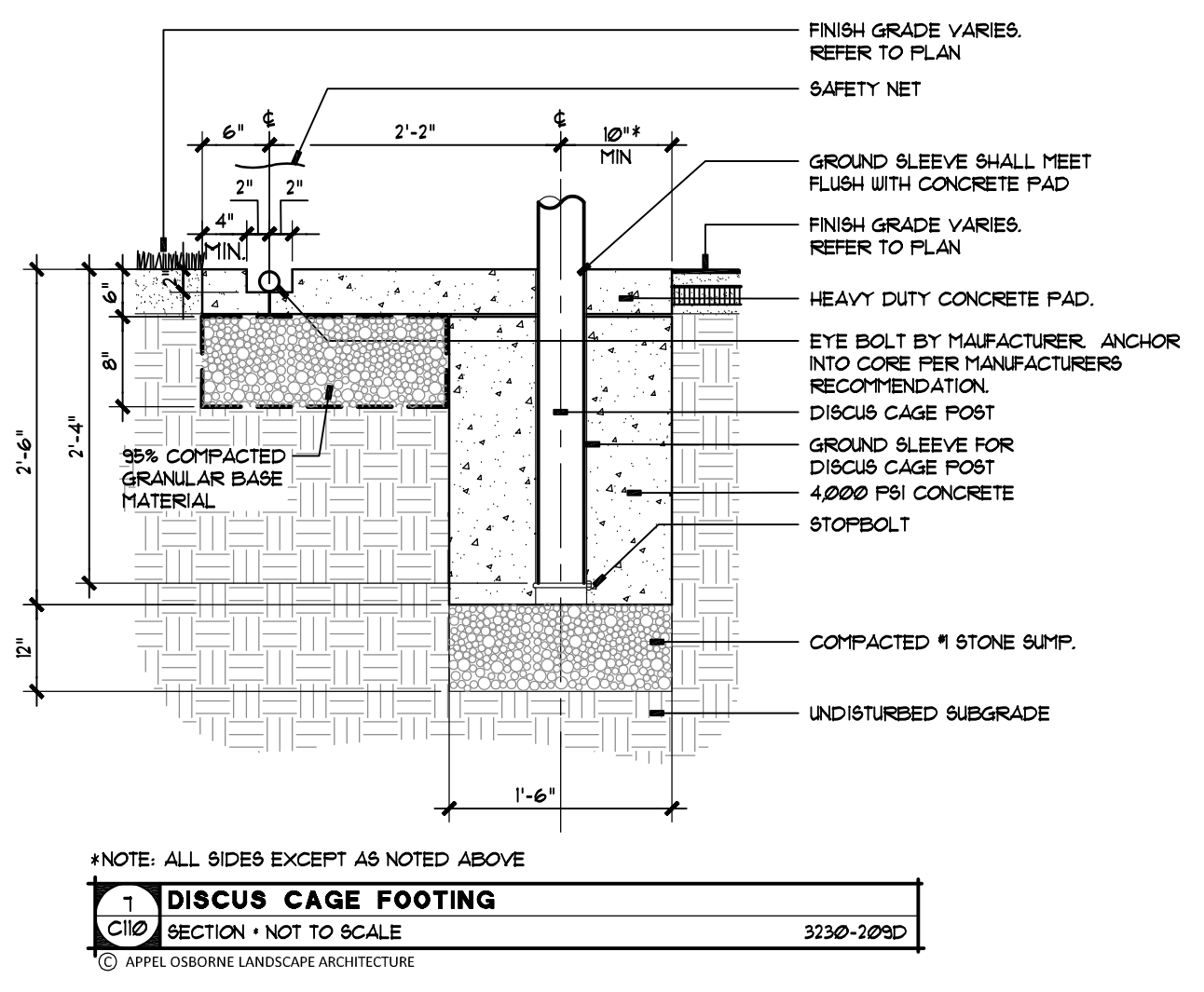
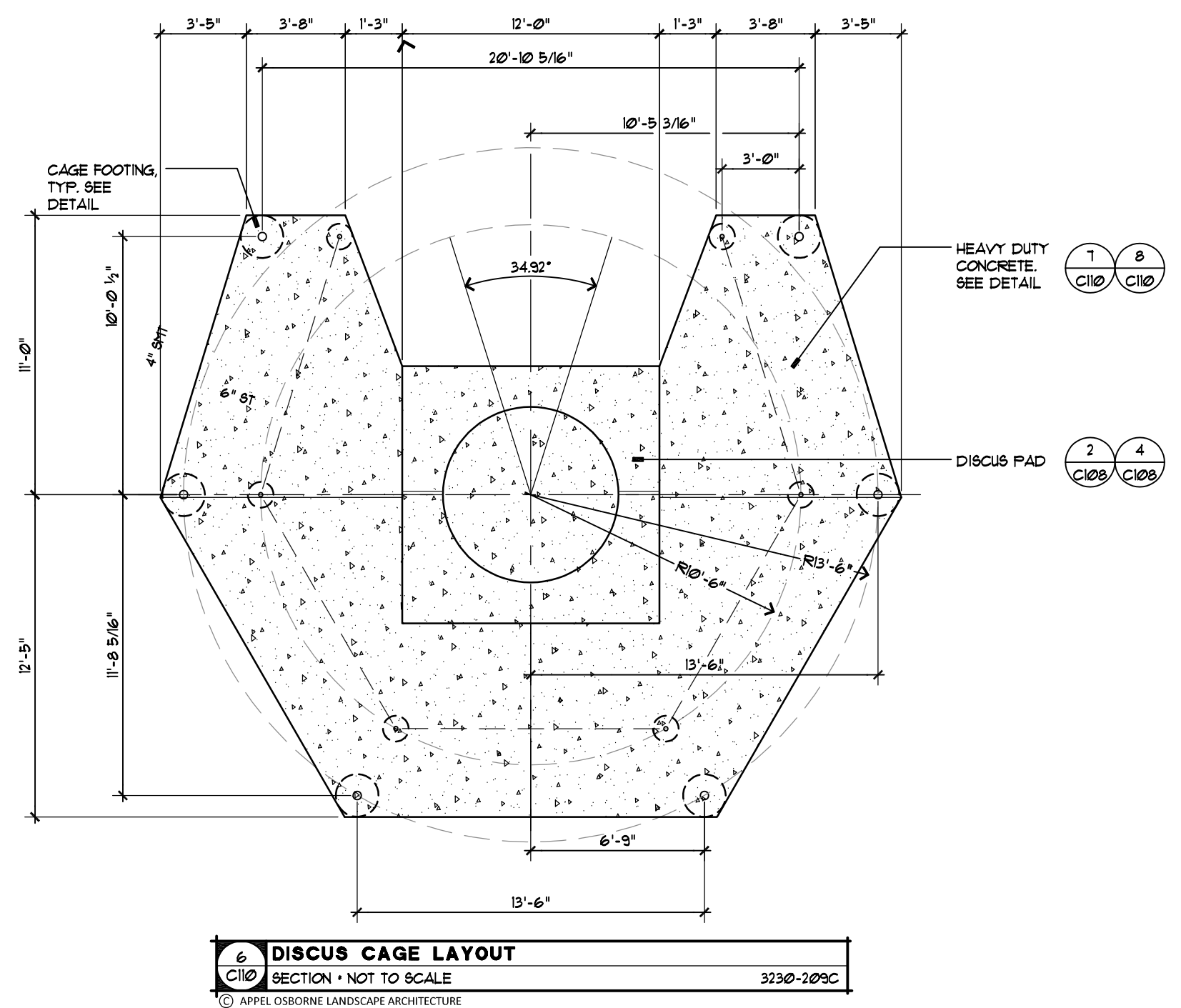
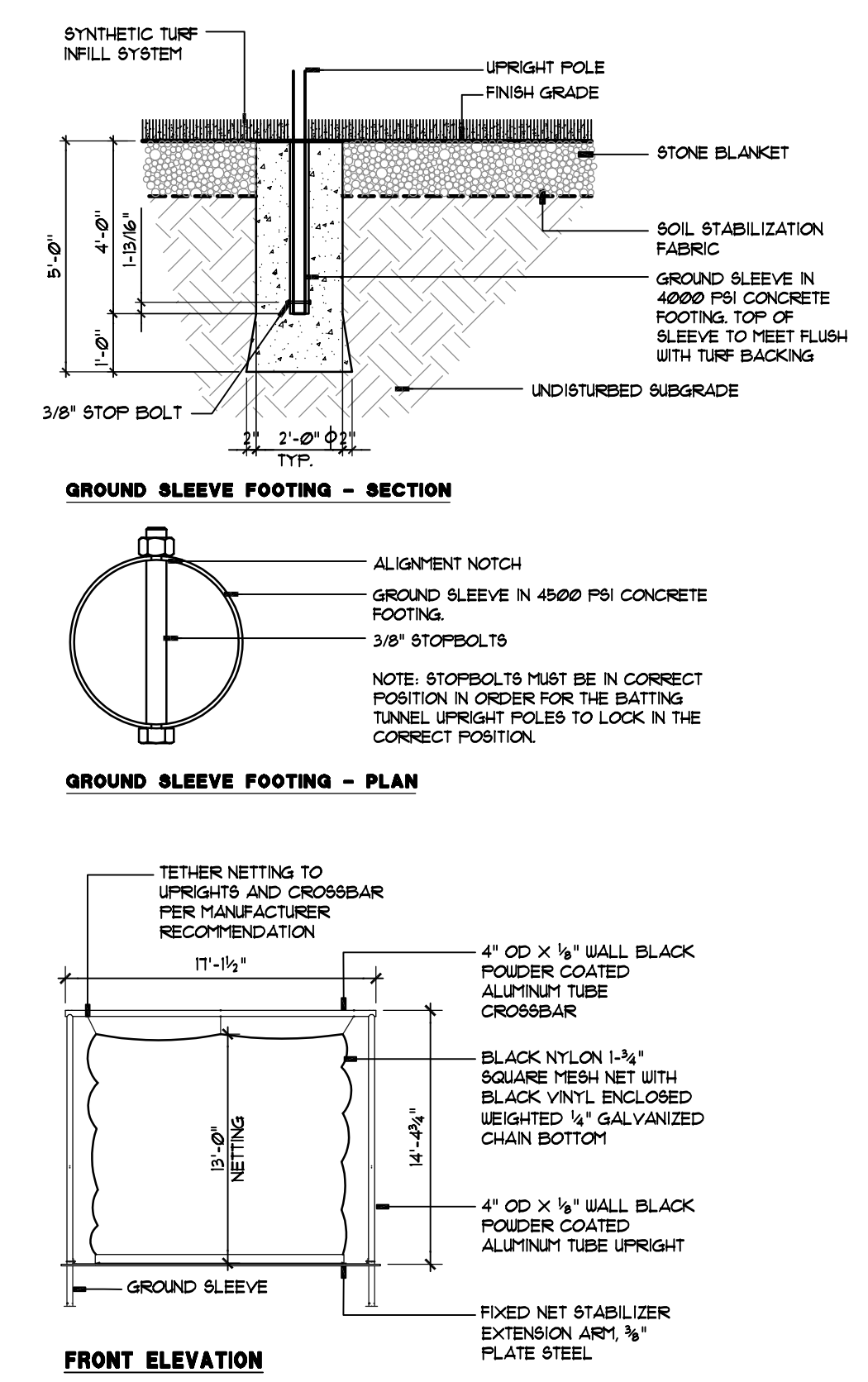
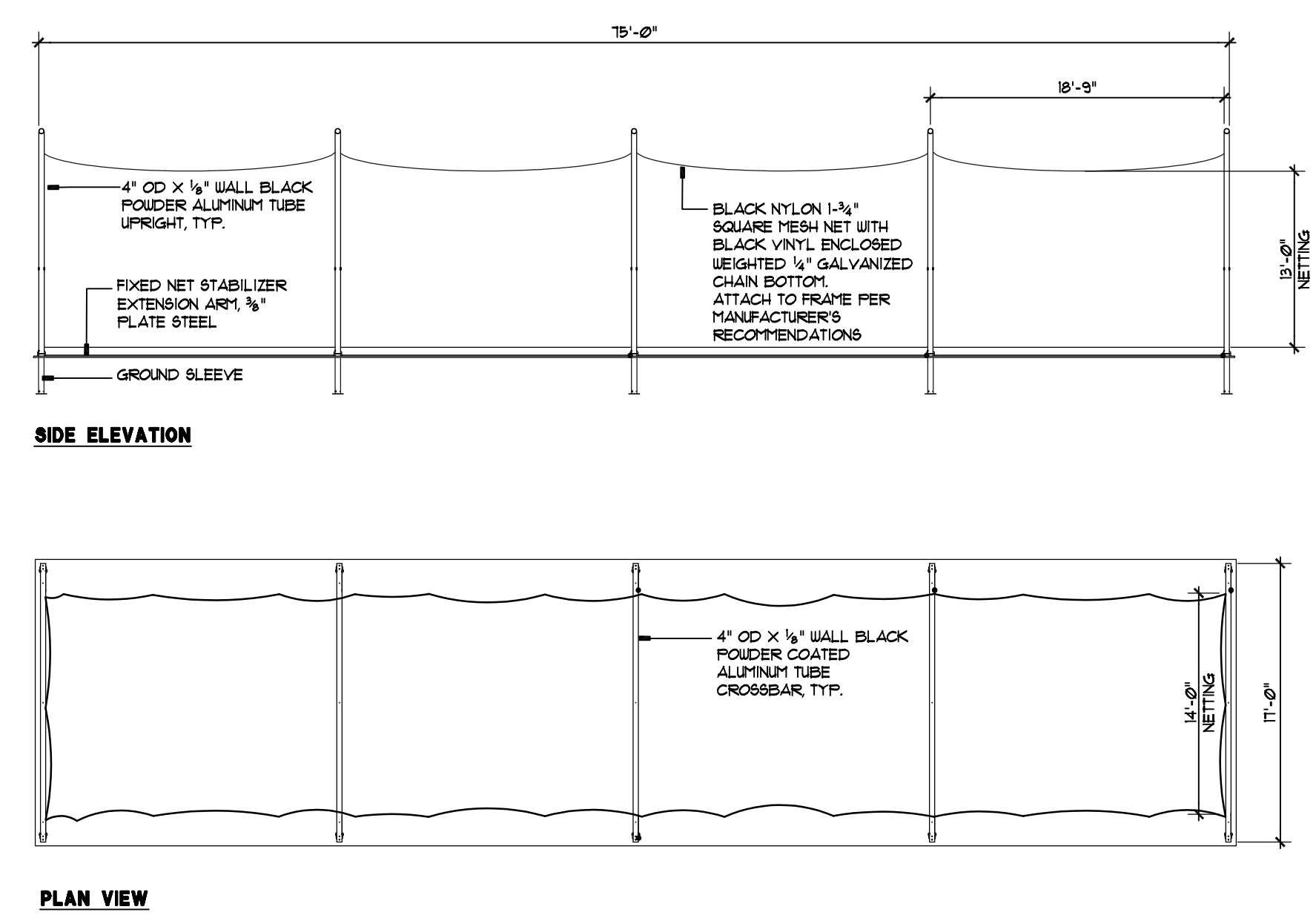
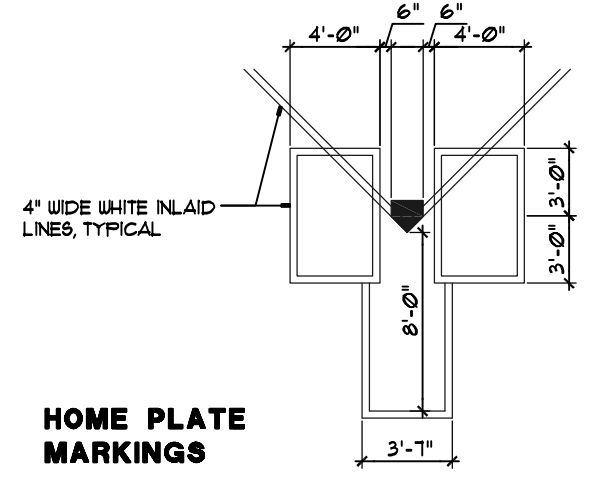
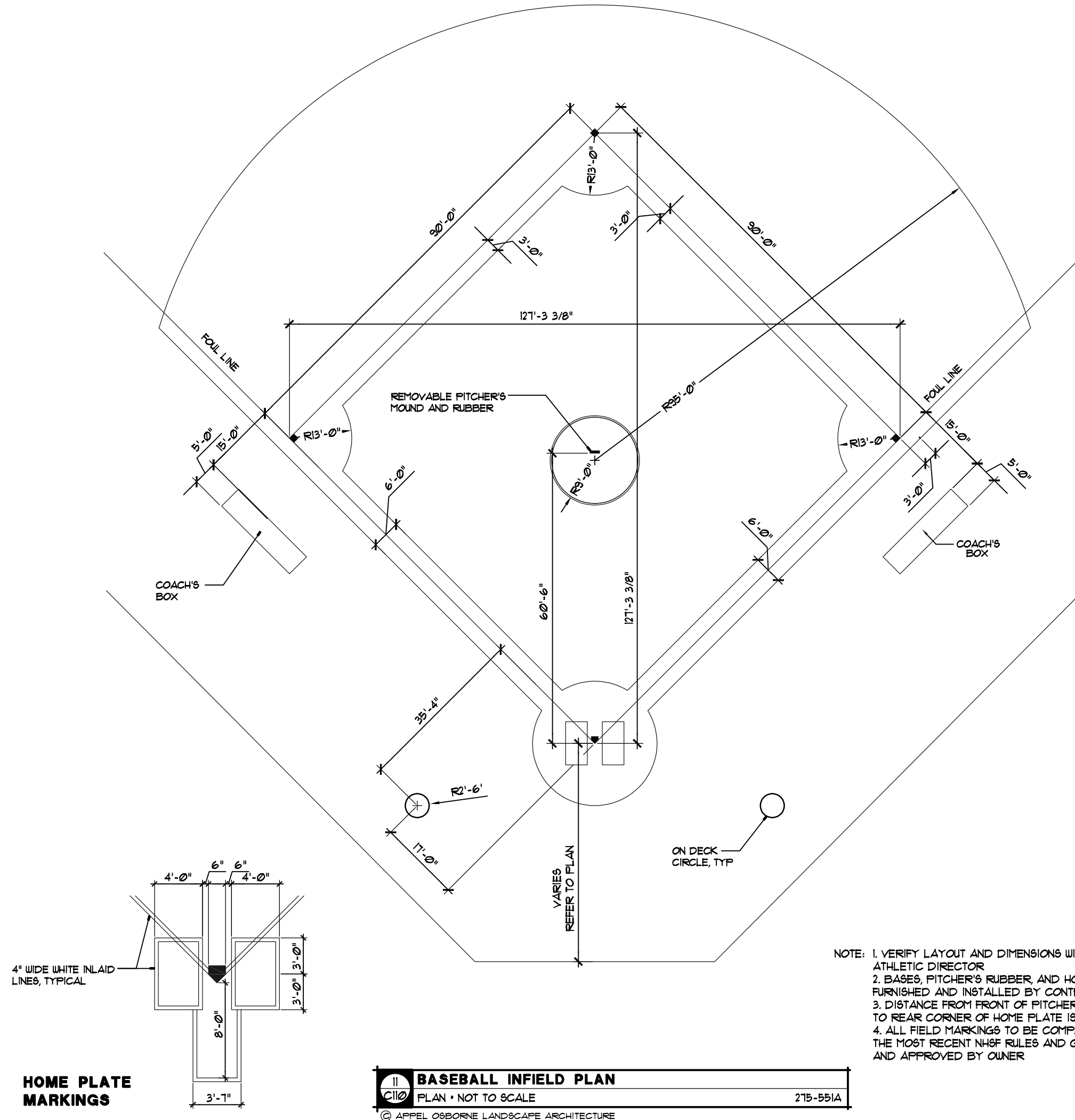
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Client: **CANISIUS HIGH SCHOOL**
 Project: **ATHLETIC FIELDS - PHASE 3**
 Project Address: **ROBERT J. STRANSKY MEMORIAL COMPLEX
 285 CLINTON STREET
 WEST SENECA, NEW YORK 14224**

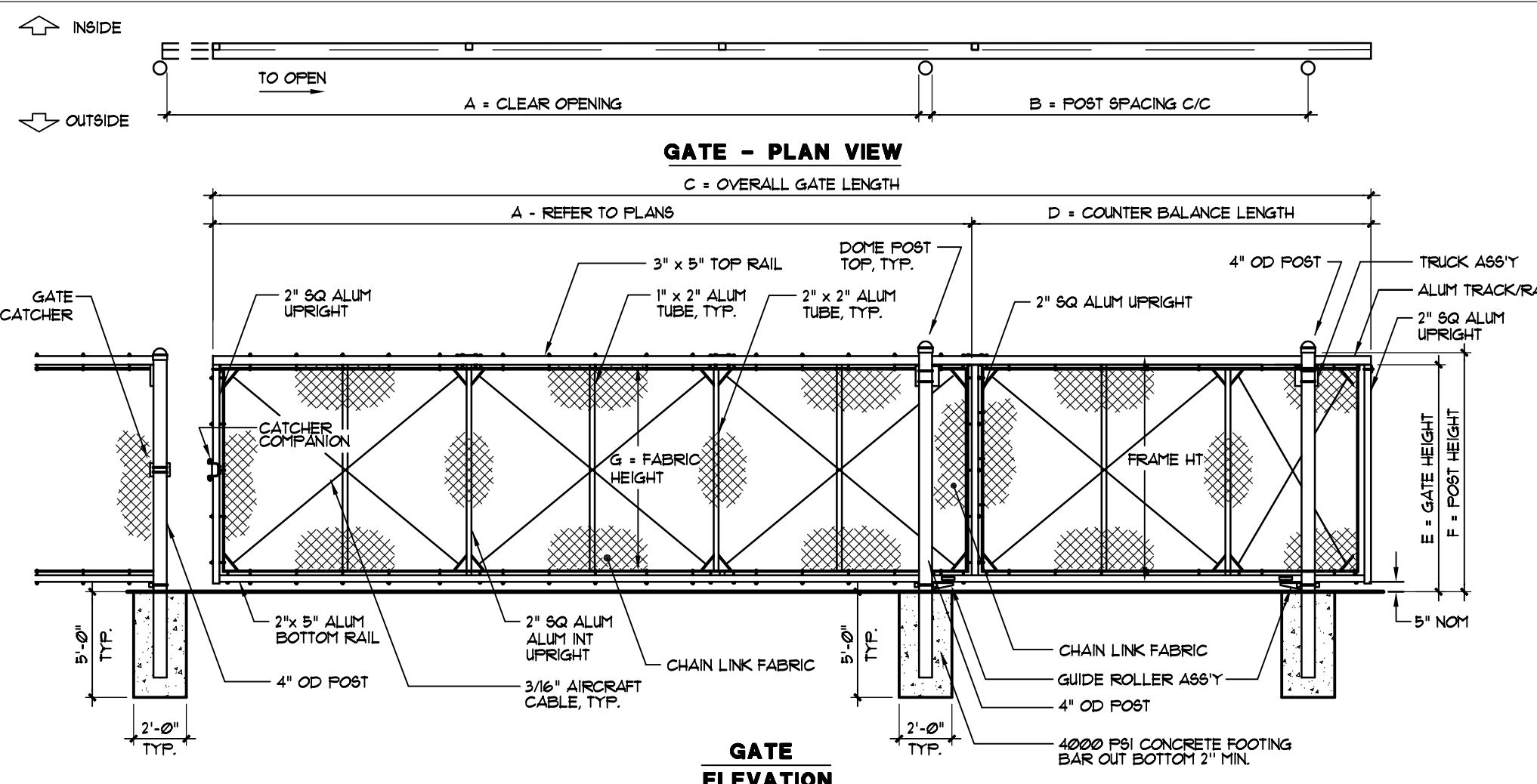
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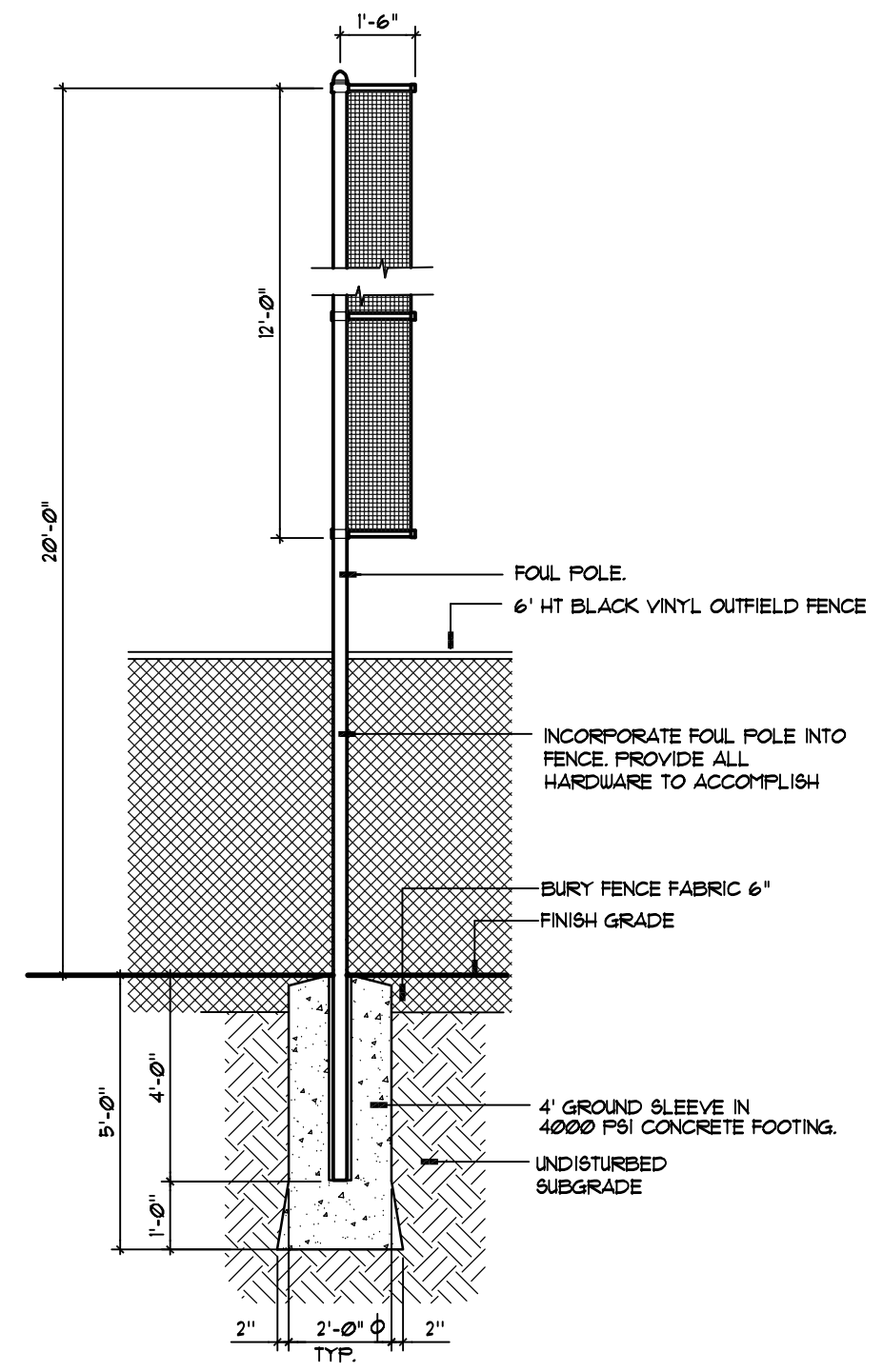
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 Date: 6/23/2021
 Project Number: 202020
 Sheet Title:
LAYOUT PLAN - AREA B
 Sheet Number: **C109**



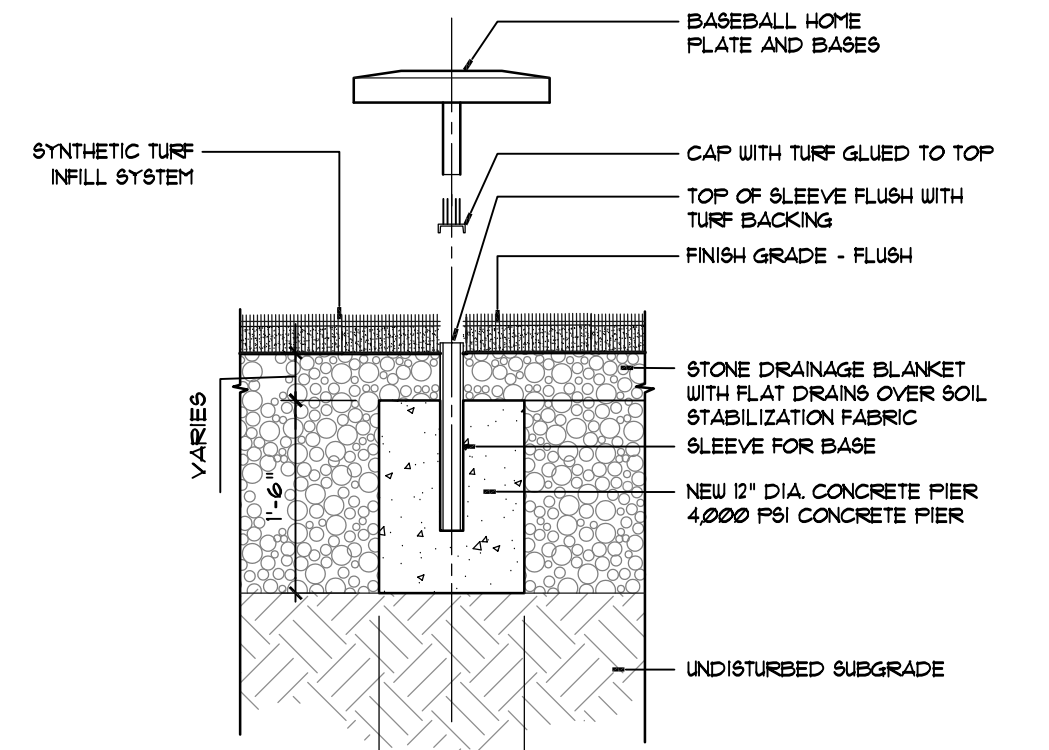
MARK	DESCRIPTION	FORMULA	DIM.
A	CLEAR OPENING	A	10'-0"
B	COUNTERBALANCE POST SPACING C/C	(A/B)-11"	4'-1"
C	OVERALL GATE LENGTH	A x 1.5	15'-0"
D	COUNTERBALANCE LENGTH	A x 0.6	6'-0"
E	NOMINAL GATE HEIGHT	E	6'-0"
F	POST HEIGHT	E	6'-0"
G	FABRIC HEIGHT	E - 1'-0"	5'-0"



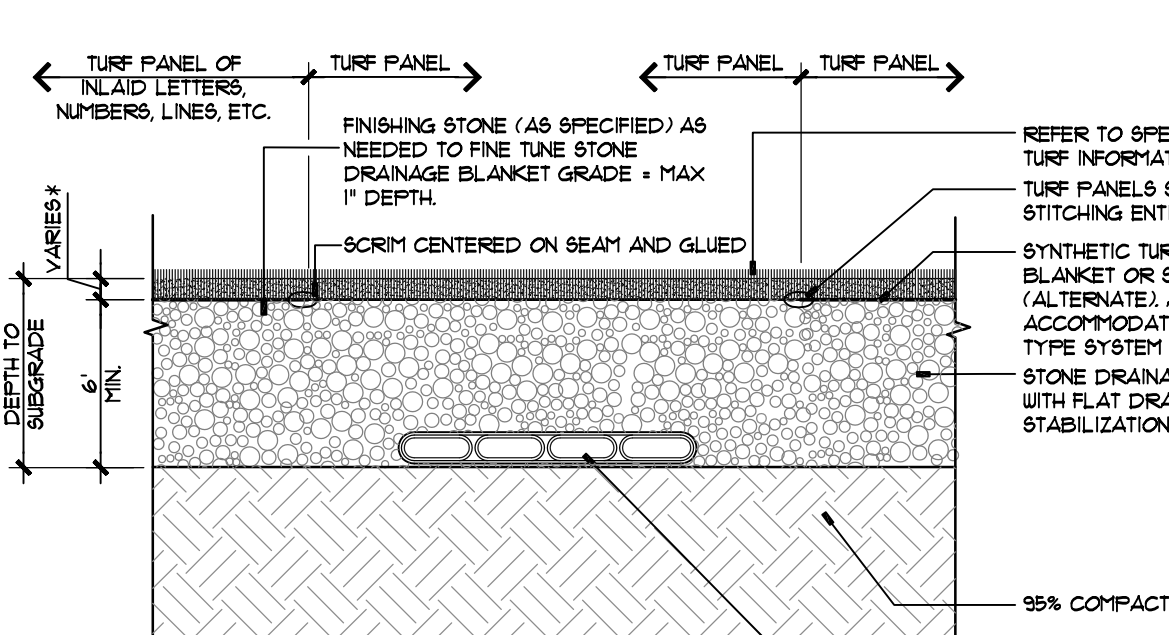
CHAIN LINK CANTILEVERED SLIDE GATE
SECTION - NOT TO SCALE
219-018
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



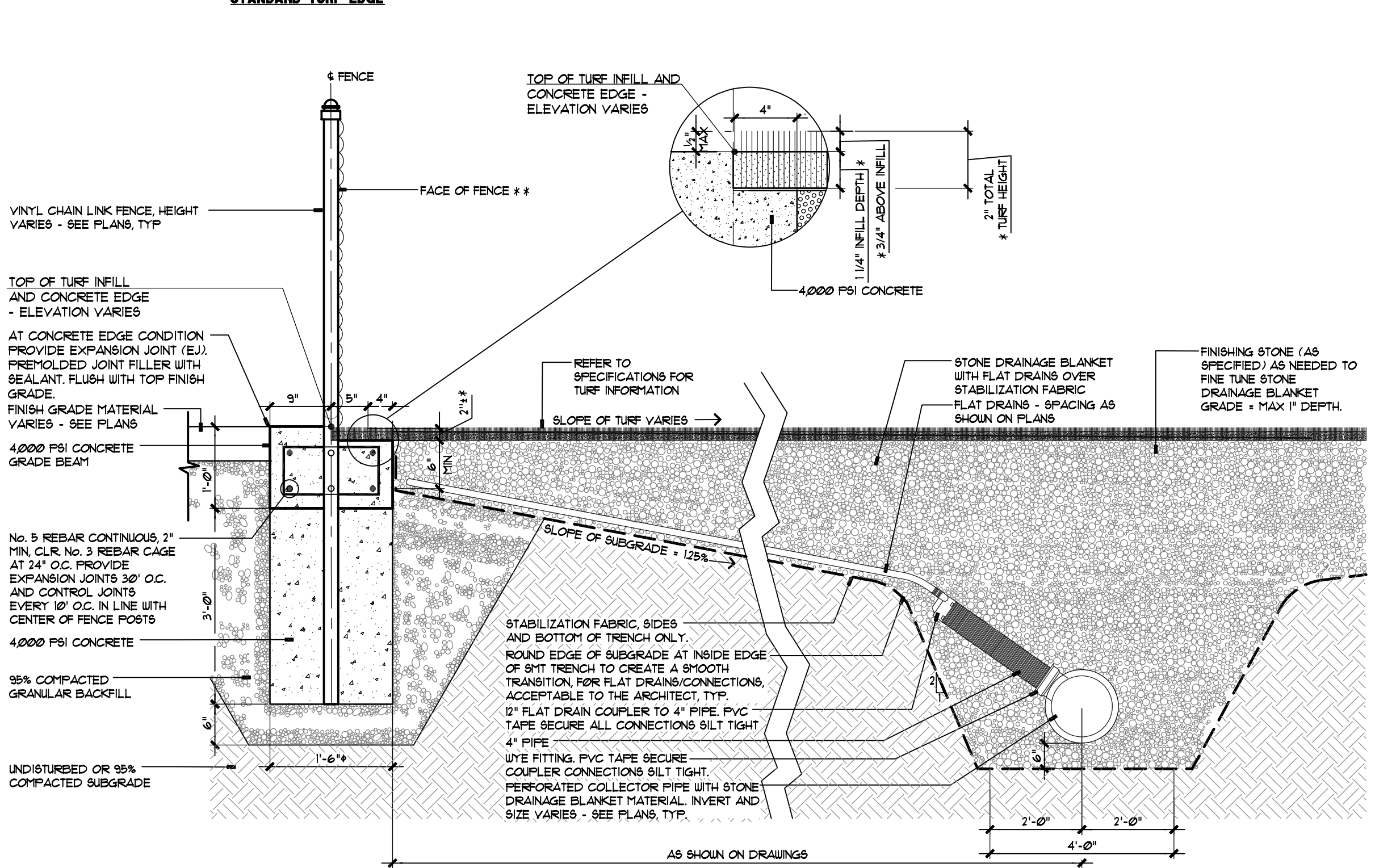
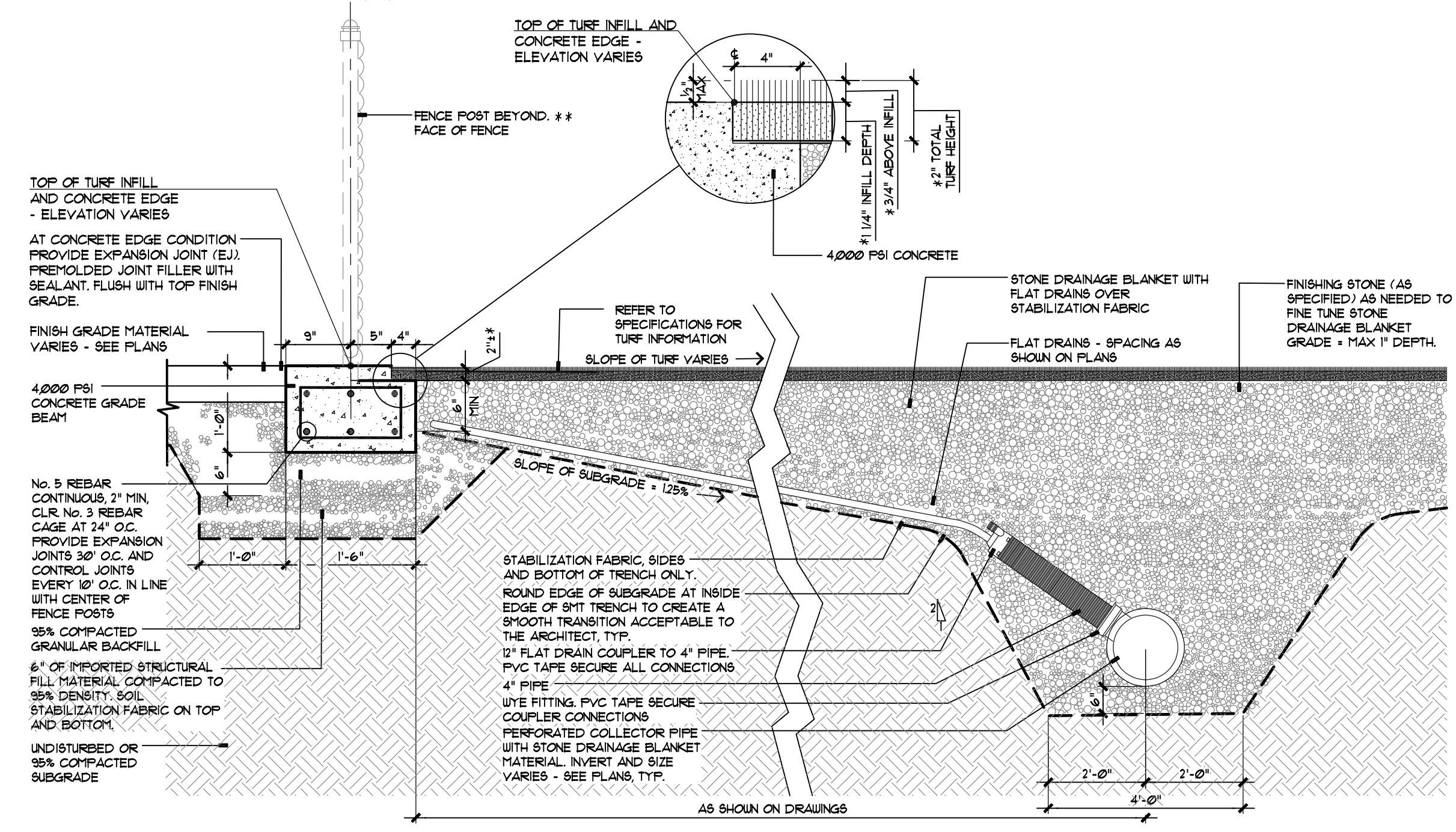
FOUL POLE - FOP
SECTION - NOT TO SCALE
3330-563
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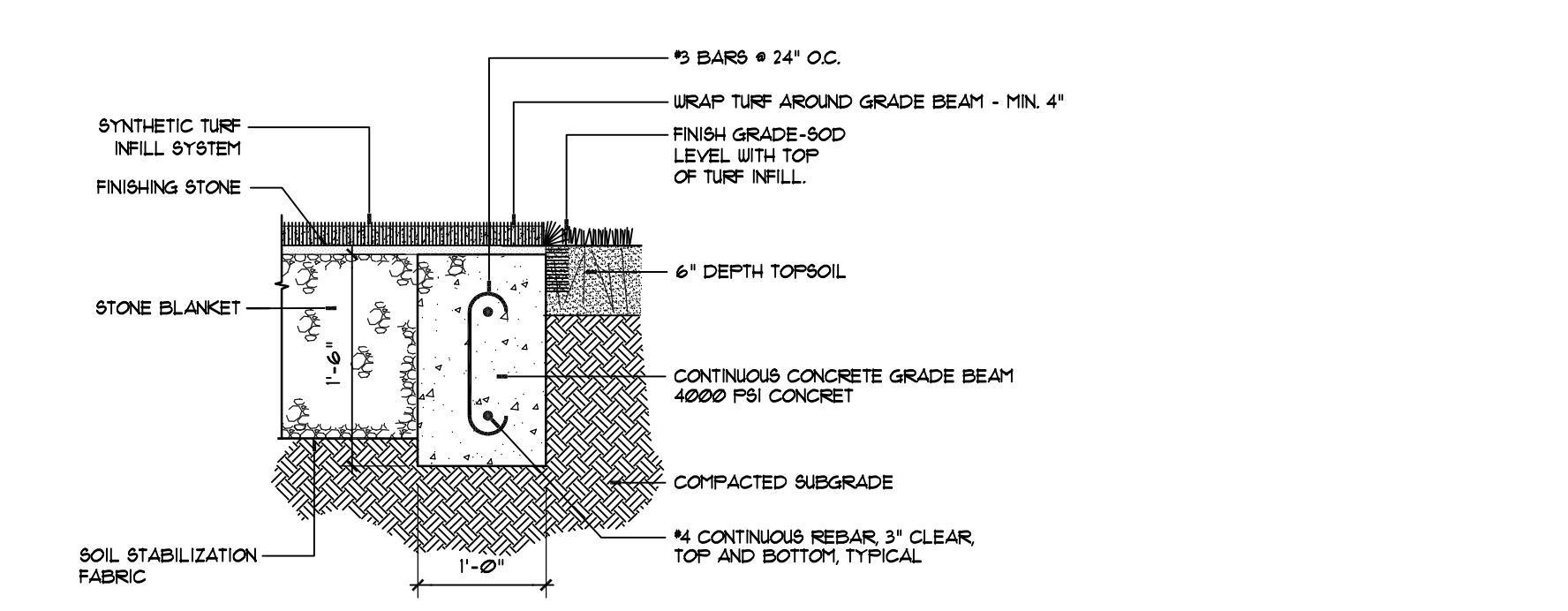
BASE GROUND ANCHORS
SECTION - 1'-1 1/2" - 0"
base-ground anchor
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



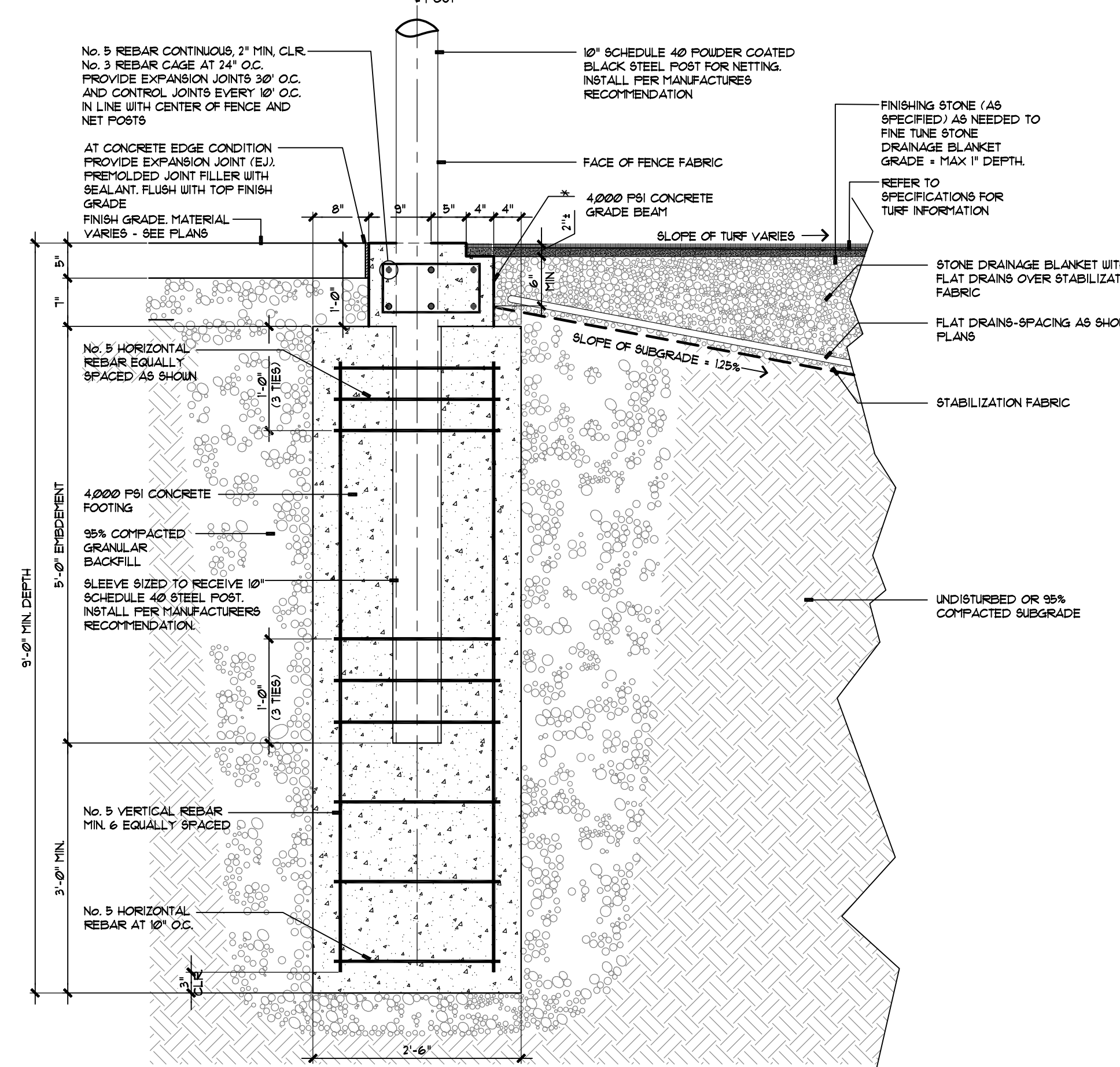
ARTIFICIAL TURF
SECTION - NOT TO SCALE
279-101
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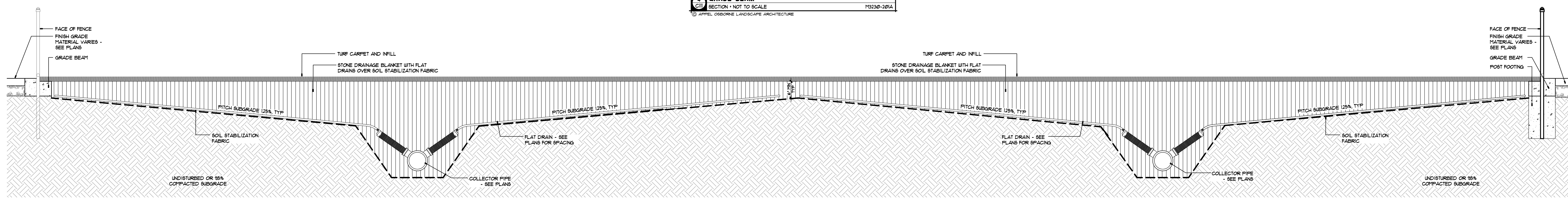
TURF EDGE AT FENCE
SECTION - NOT TO SCALE
19330-201A
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



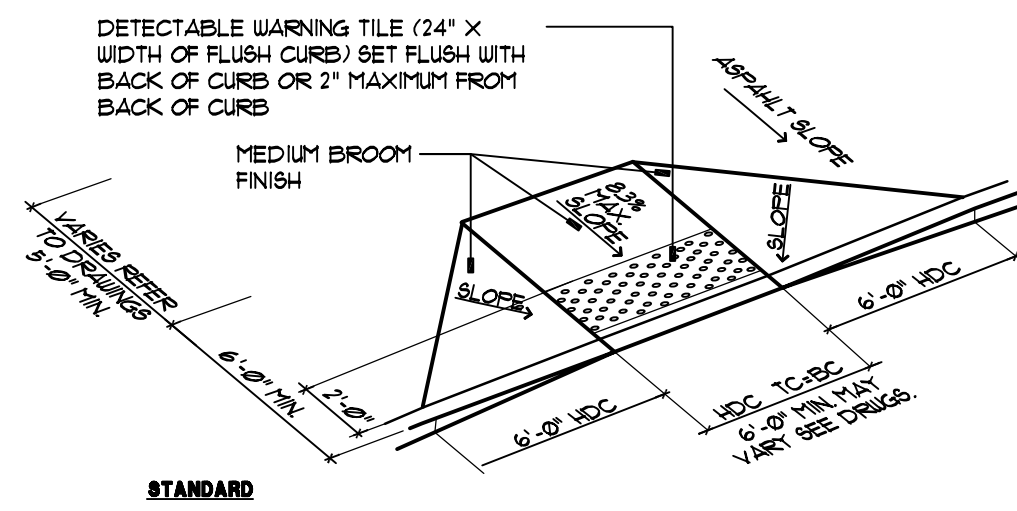
SYNTHETIC TURF INTERFACE W/ OUTFIELD
SECTION - NOT TO SCALE
new-hall 50D
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



BASEBALL BACKSTOP FOOTING
SECTION - NOT TO SCALE
Canopy Footing
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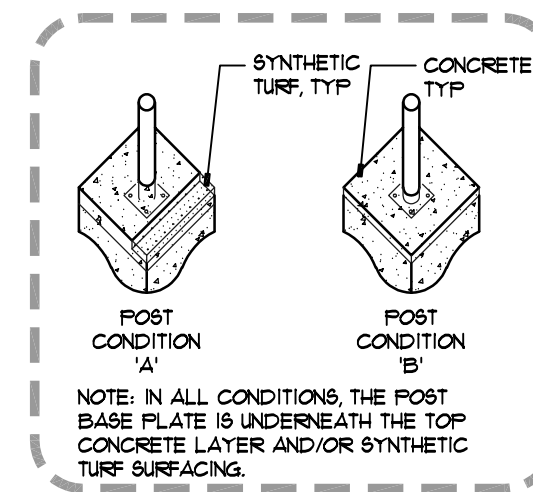


TURF FIELD CROSS SECTION
SECTION - NOT TO SCALE
TURF CROSS SECTION
© APPEL OSBORNE LANDSCAPE ARCHITECTURE

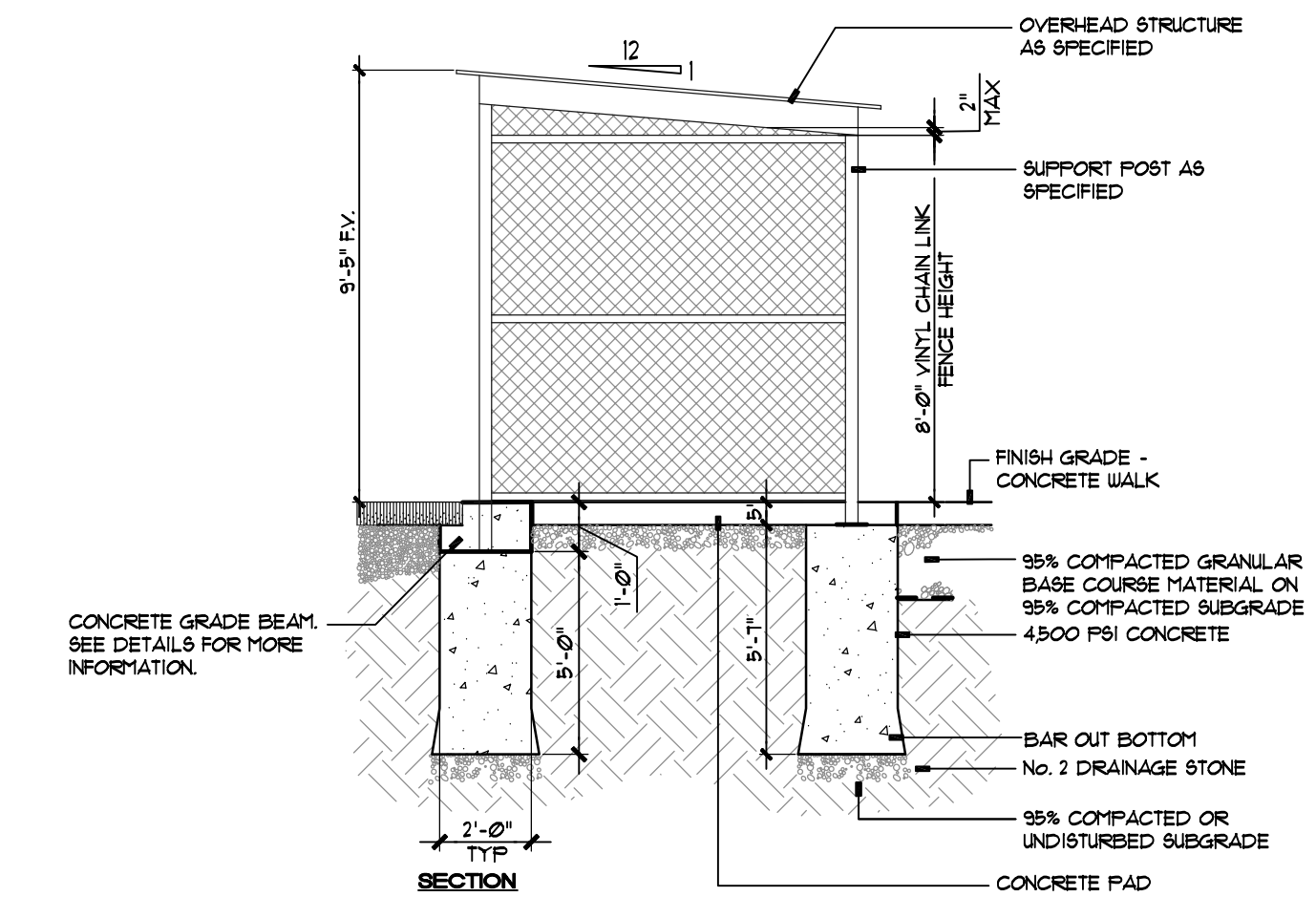


4 CURB RAMP WITH DETECTABLE WARNING SYSTEM
 CITY SECTION - NOT TO SCALE
 313-020

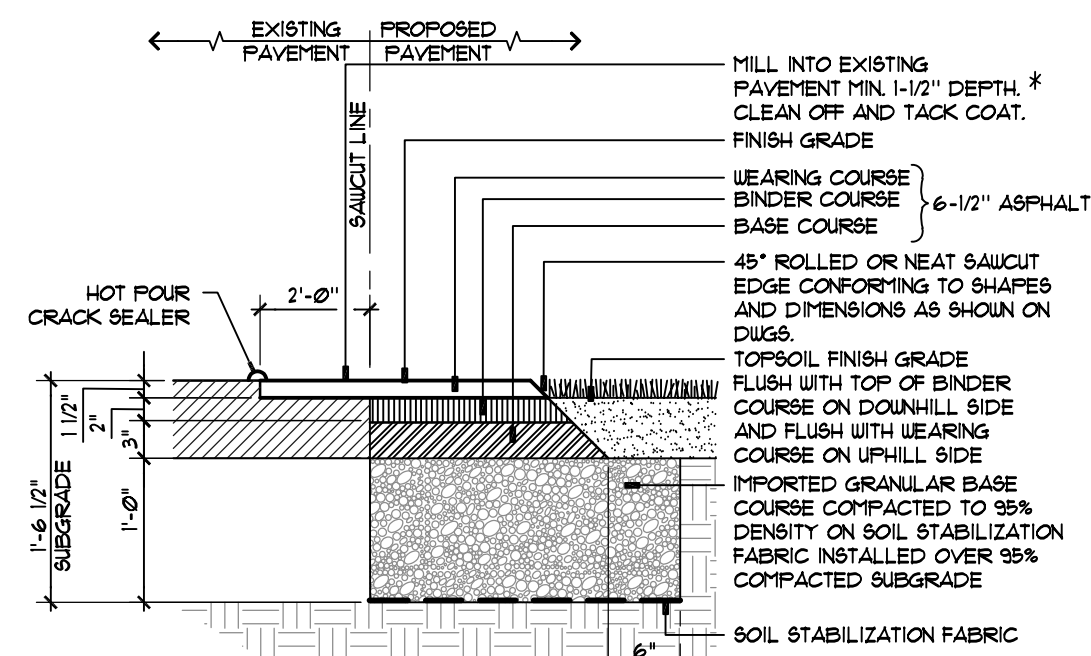
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NOTE: IN ALL CONDITIONS, THE POST BASE PLATE IS UNDERNEATH THE TOP CONCRETE LAYER AND/OR SYNTHETIC TURF SURFACING.

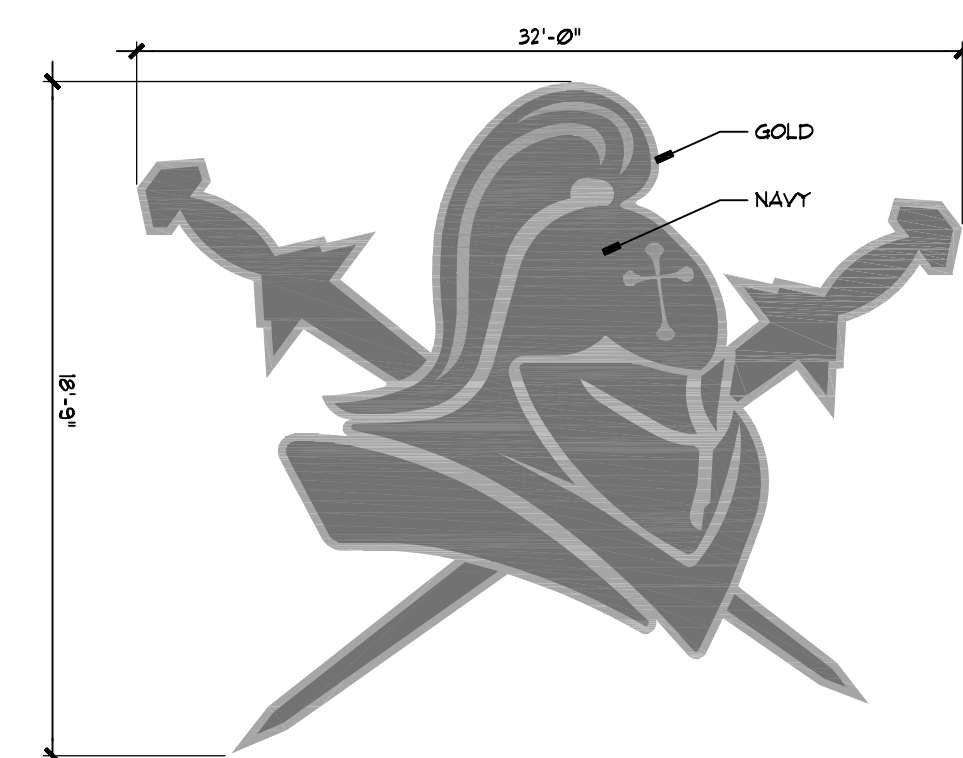


SECTION



5 HEAVY DUTY ASPHALT PAVEMENT = HDA
 CITY SECTION - NOT TO SCALE
 312-000C

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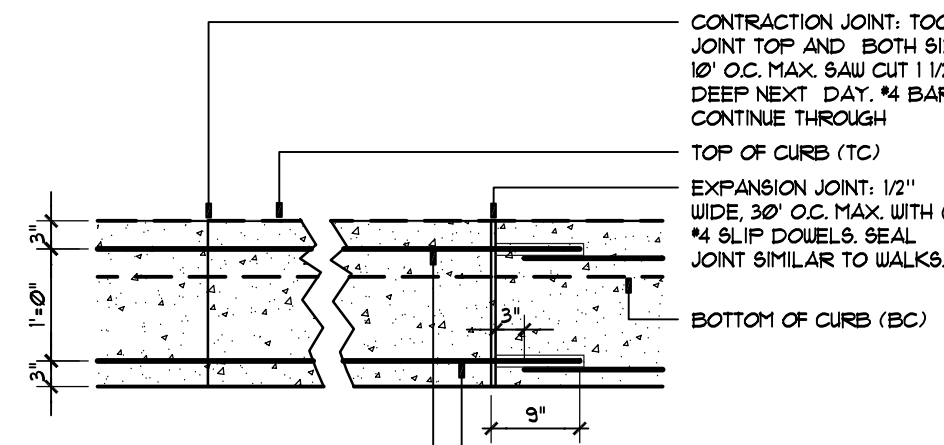
CANISIUS
CRUSADERS

4" WHITE BORDER
 NAVY LETTERS

NOTE: ALL LOGO GRAPHICS SHALL BE INLAID SYNTHETIC TURF

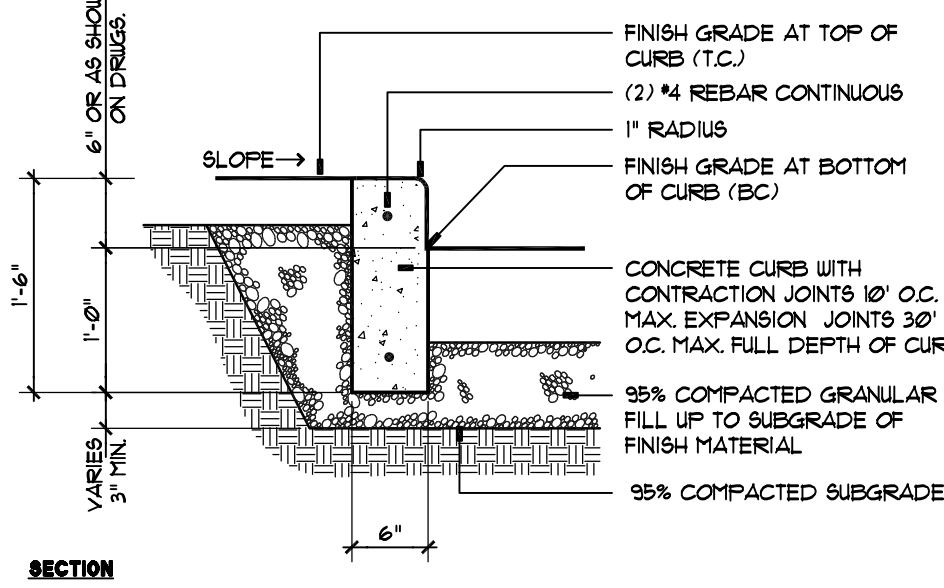
3 VARSITY FIELD TURF LOGO DETAILS
 PLAN - NOT TO SCALE
 #FIELD-LOGO

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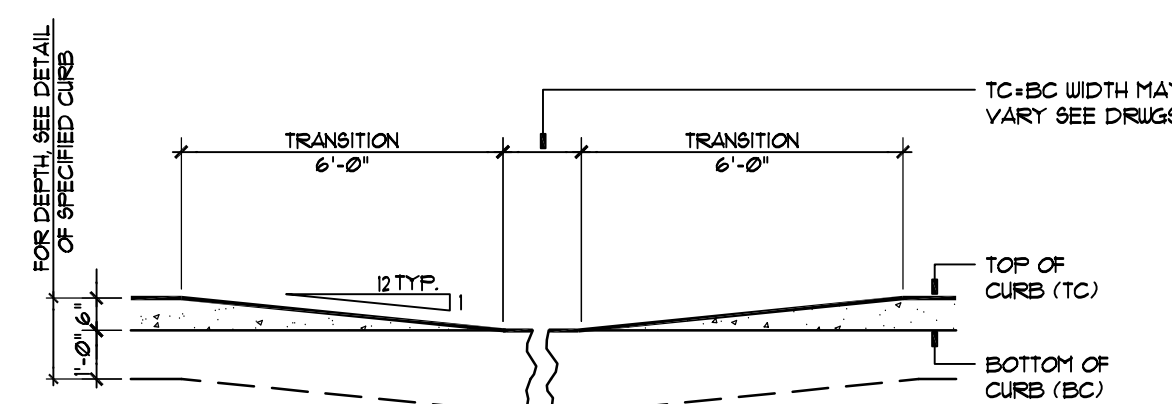
LONGITUDINAL SECTION

(2) #4 REBAR CONTINUOUS



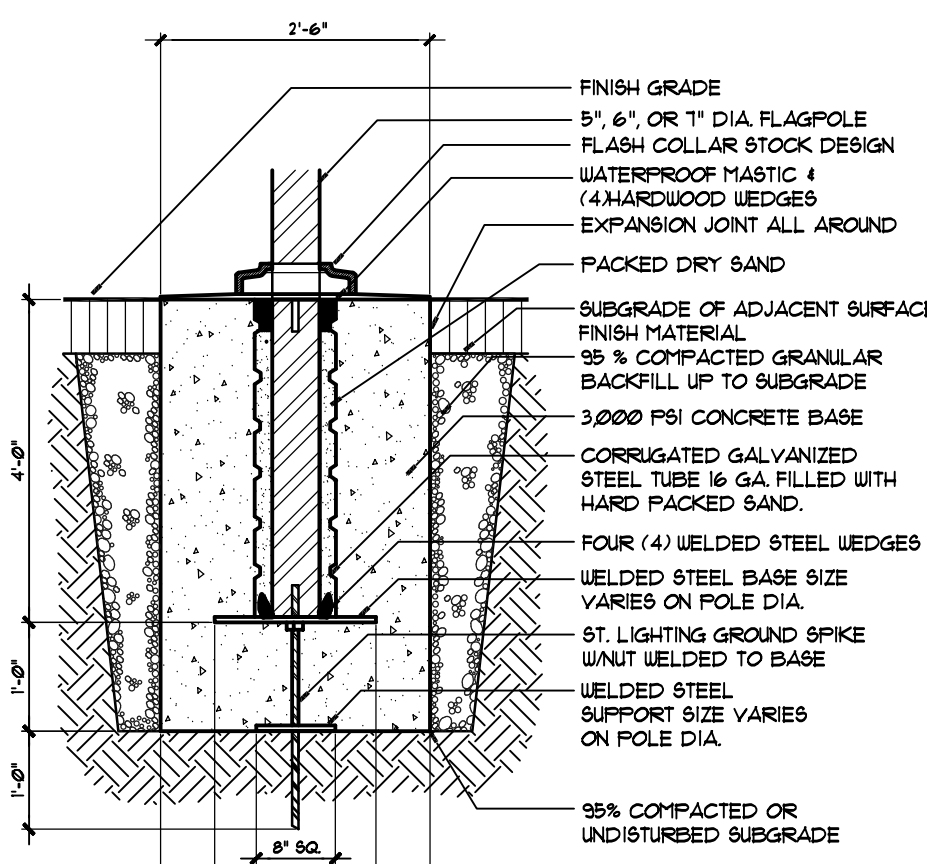
6 CONCRETE CURB - STANDARD
 CITY SECTION - NOT TO SCALE
 313-003A

© APPEL OSBORNE LANDSCAPE ARCHITECTURE



7 CONCRETE CURB RAMP AND CURB ENDING = CR/CE
 CITY SECTION - NOT TO SCALE

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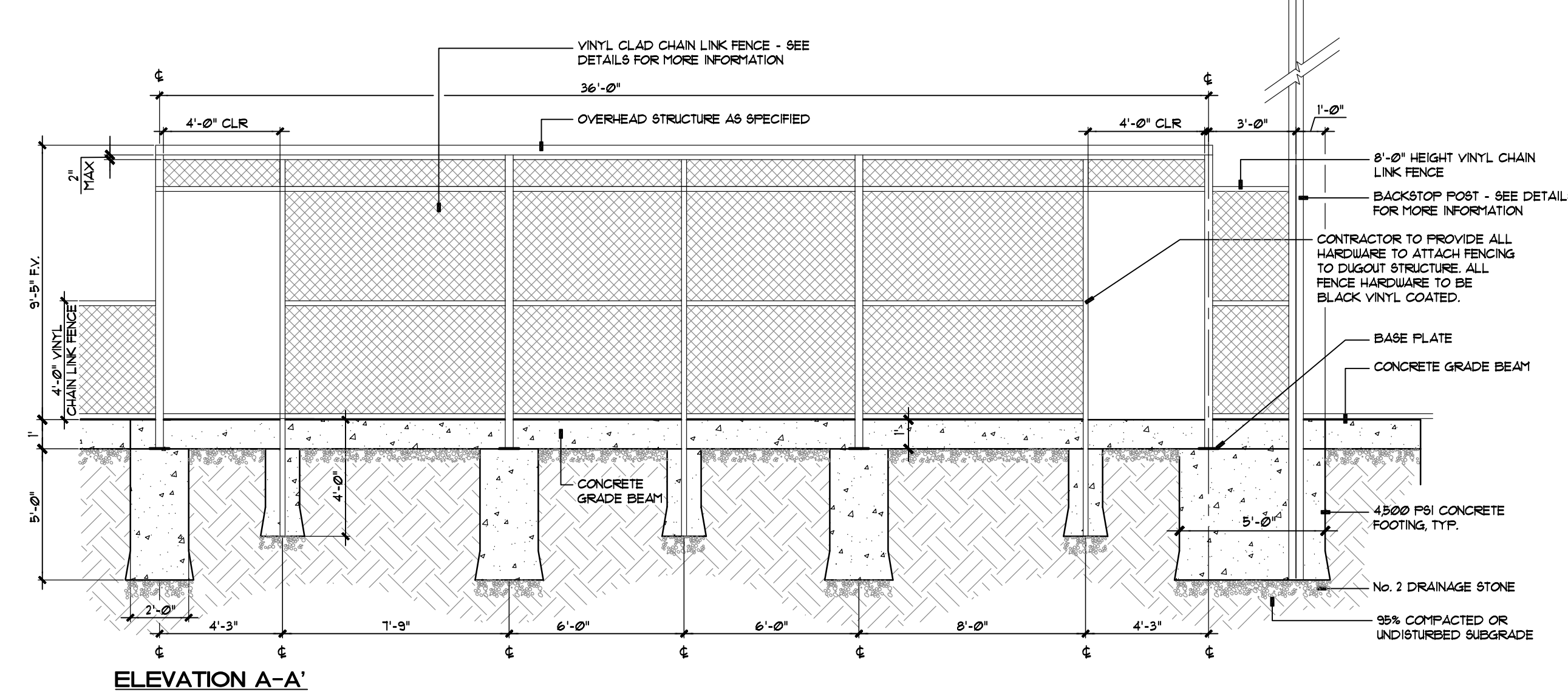
2 FLAGPOLE BASE
 CITY SECTION - NOT TO SCALE
 313-002A

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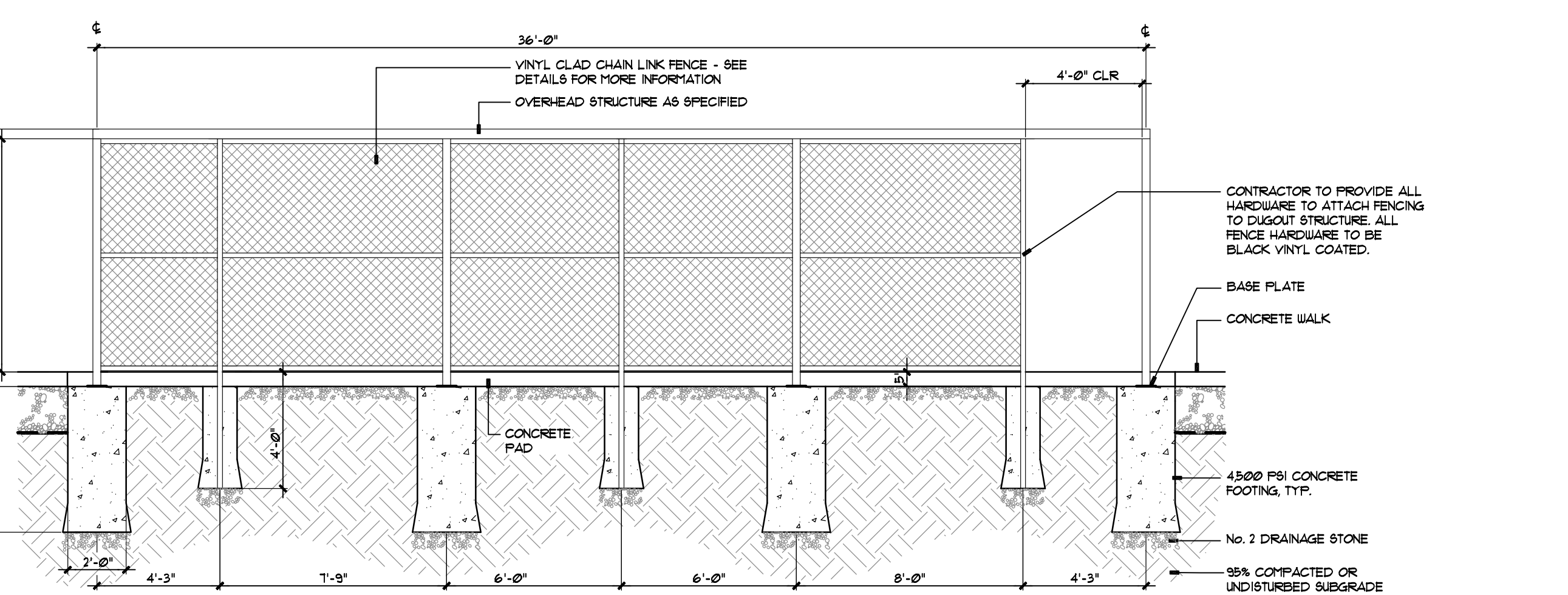
EXPOSED FLAGPOLE HT. DIA.	FOOTING #	STEEL BASE	STEEL SUPPORT	GROUND SPIKE	FOUNDATION	DEPTH OF EXCAVATION
36" HT. DIA.	2'-6"	16" X 16" X 3/8"	18" X 18" X 3/8"	3/4" DIA. X 18"	3'-6"	5'-0"

1 DUGOUTS AT TURF FIELD
 CITY SECTION - NOT TO SCALE
 LinkUp Dugouts-Turf

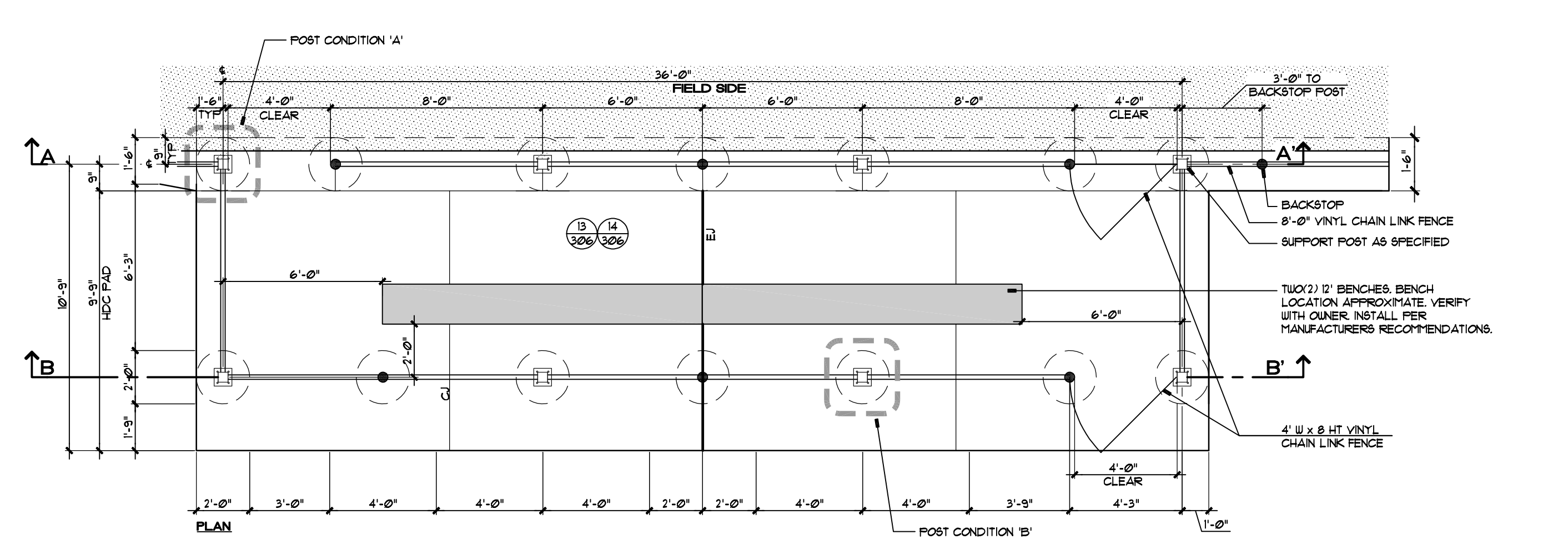
© APPEL OSBORNE LANDSCAPE ARCHITECTURE



ELEVATION A-A'



ELEVATION B-B'



1 OR AS SPECIFIED BY CONTRACTOR'S NY'S LICENSED ENGINEER
 NOTE: ALIGN FRONT OF ALL POSTS SO THAT FENCE FABRIC LAYS FLUSH AND IN LINE.
1 DUGOUTS AT TURF FIELD
 CITY SECTION - NOT TO SCALE
 LinkUp Dugouts-Turf

© APPEL OSBORNE LANDSCAPE ARCHITECTURE

Consultants:



Signature & Seal:



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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
 2885 CLINTON STREET
 WEST SENECA, NEW YORK 14224

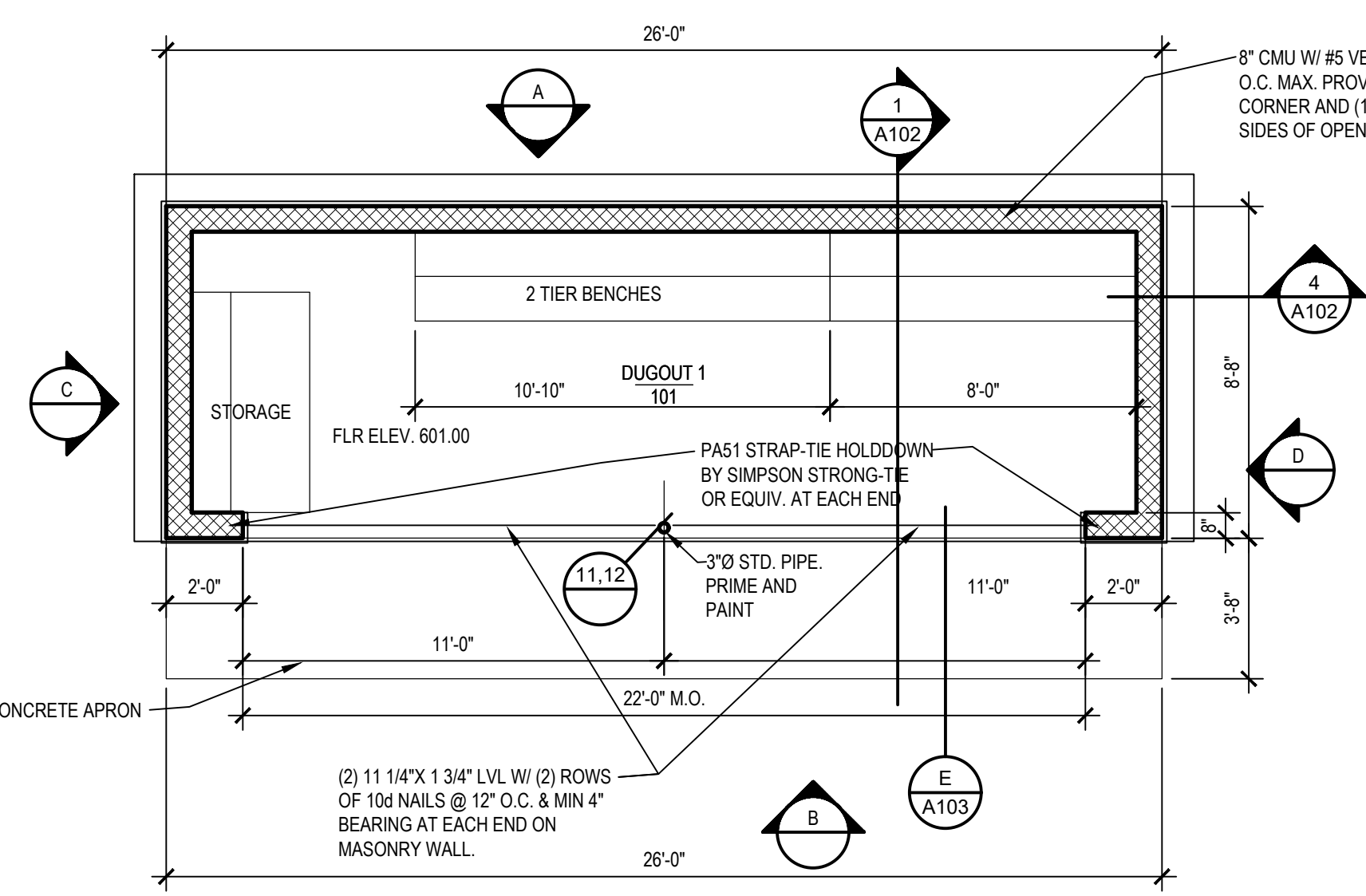
Drawing History: # Date Description
 #1 11-09-2021 Archeological Revisions

Project Status: BID DOCUMENTS

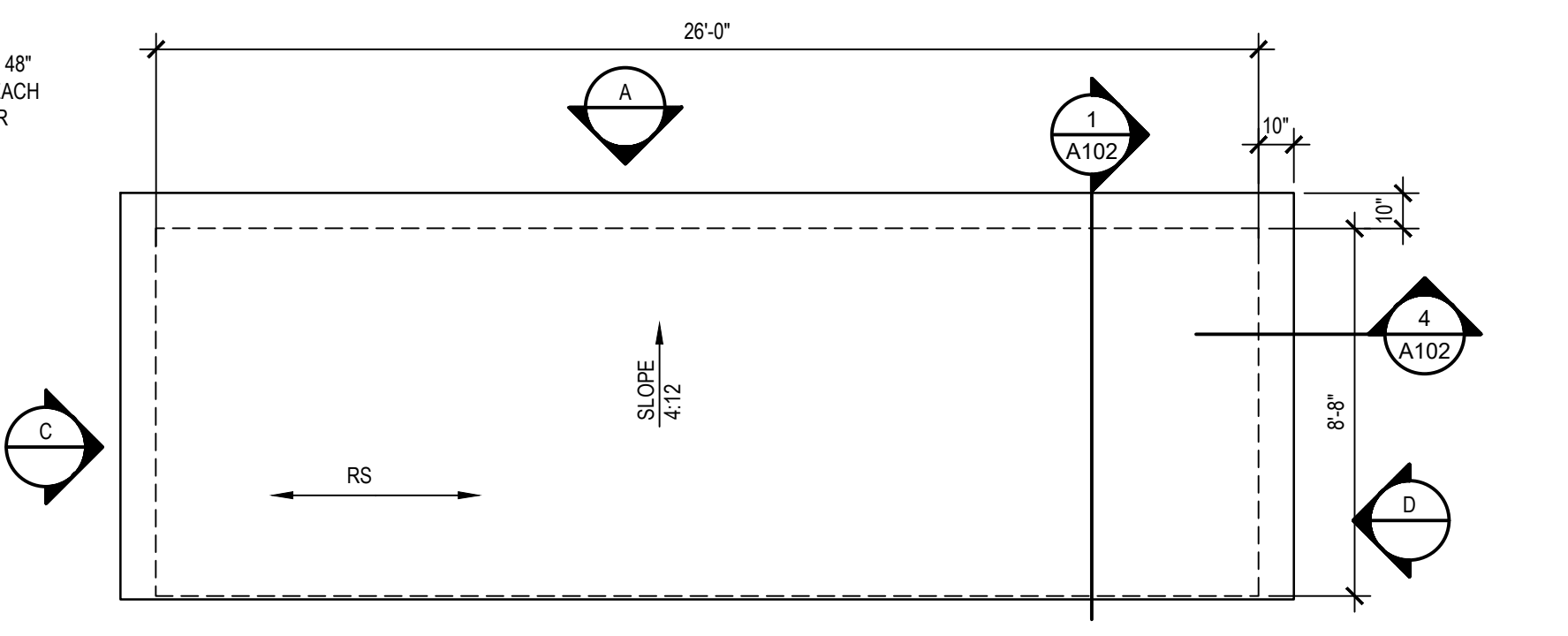
Date: 6/23/2021
 Project Number: 202020
 Sheet Title:

DETAILS

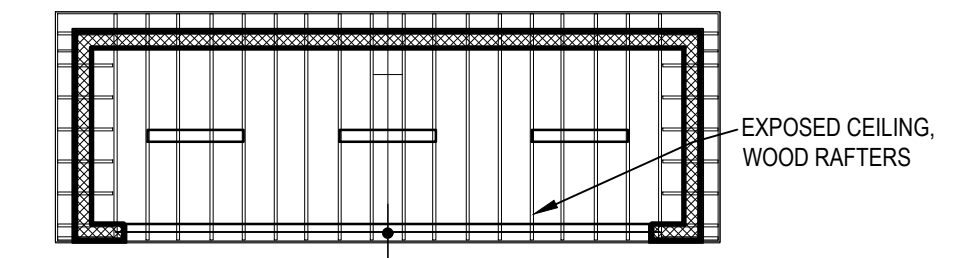
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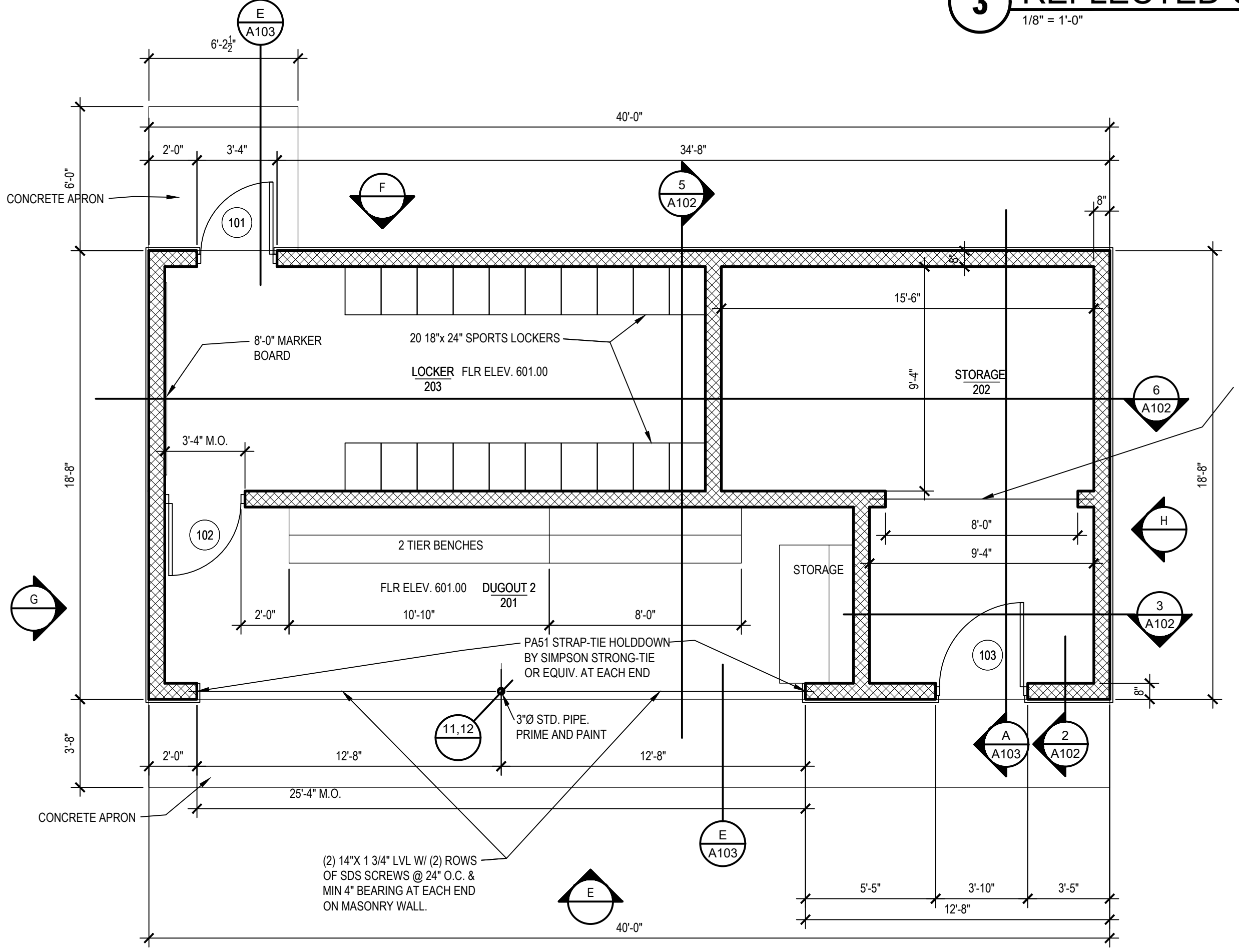
1 FLOOR PLAN
1/4" = 1'-0"



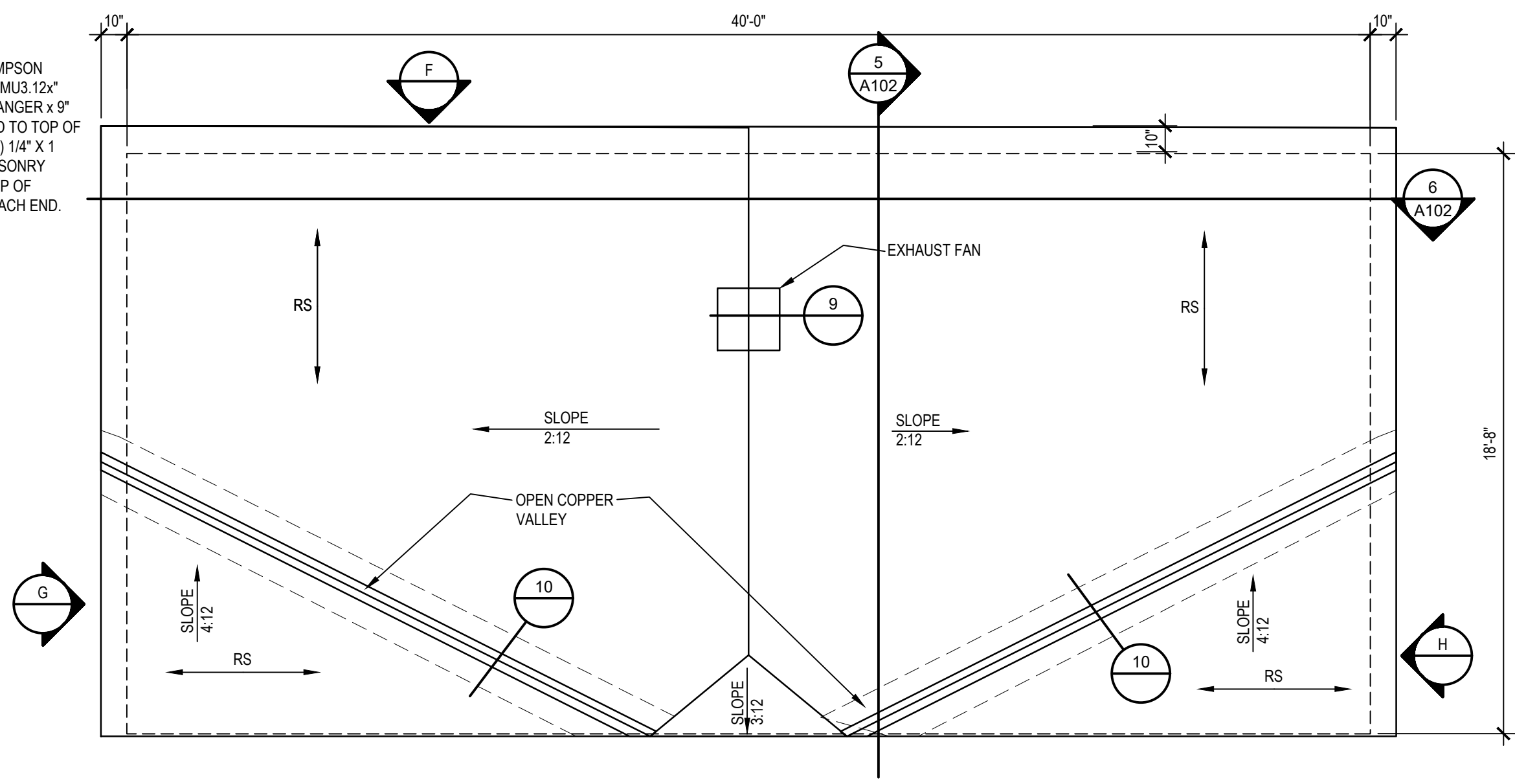
2 ROOF PLAN
1/4" = 1'-0"



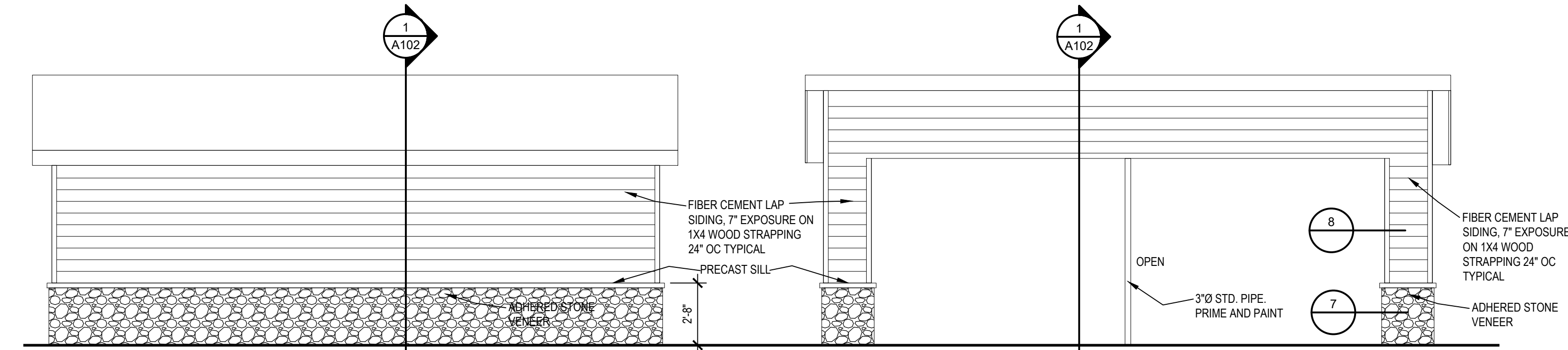
3 REFLECTED CEILING PLAN
1/8" = 1'-0"



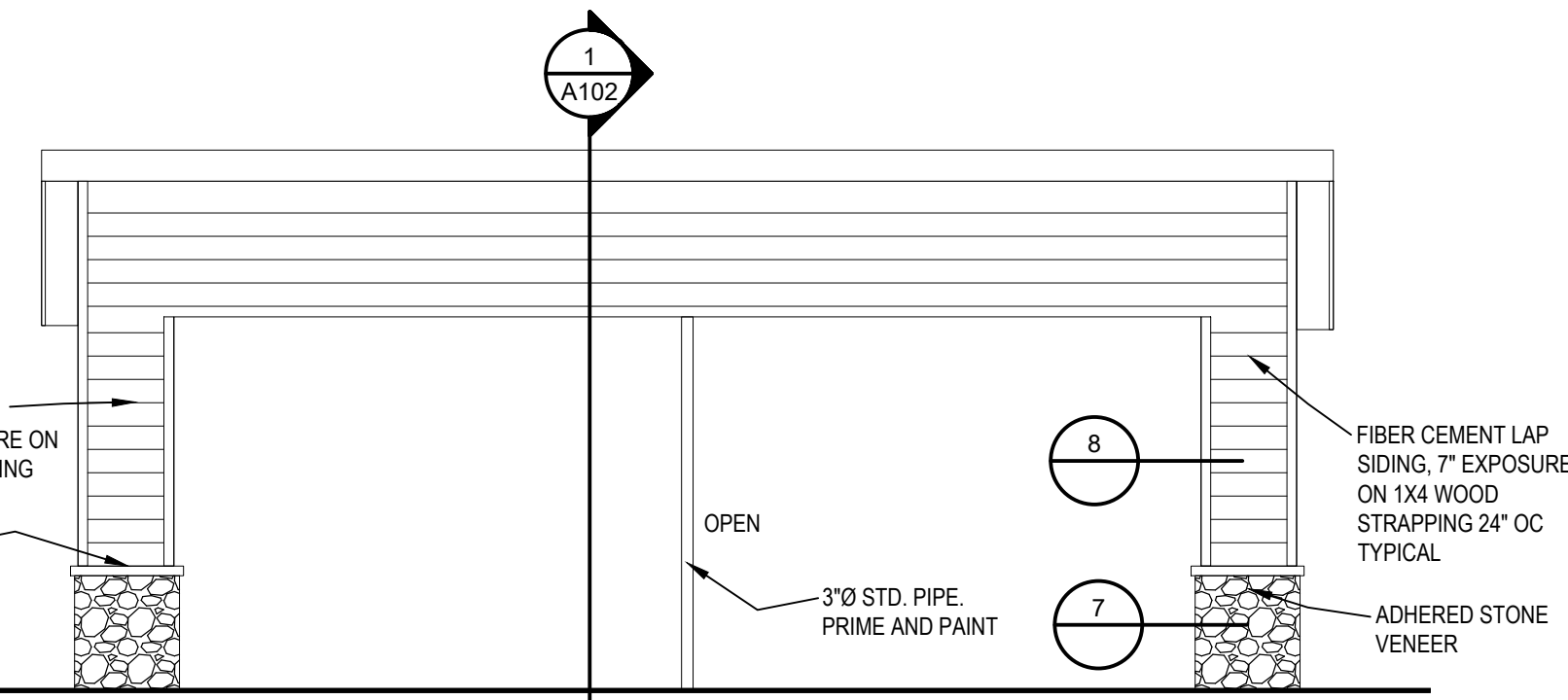
4 FLOOR PLAN
1/4" = 1'-0"



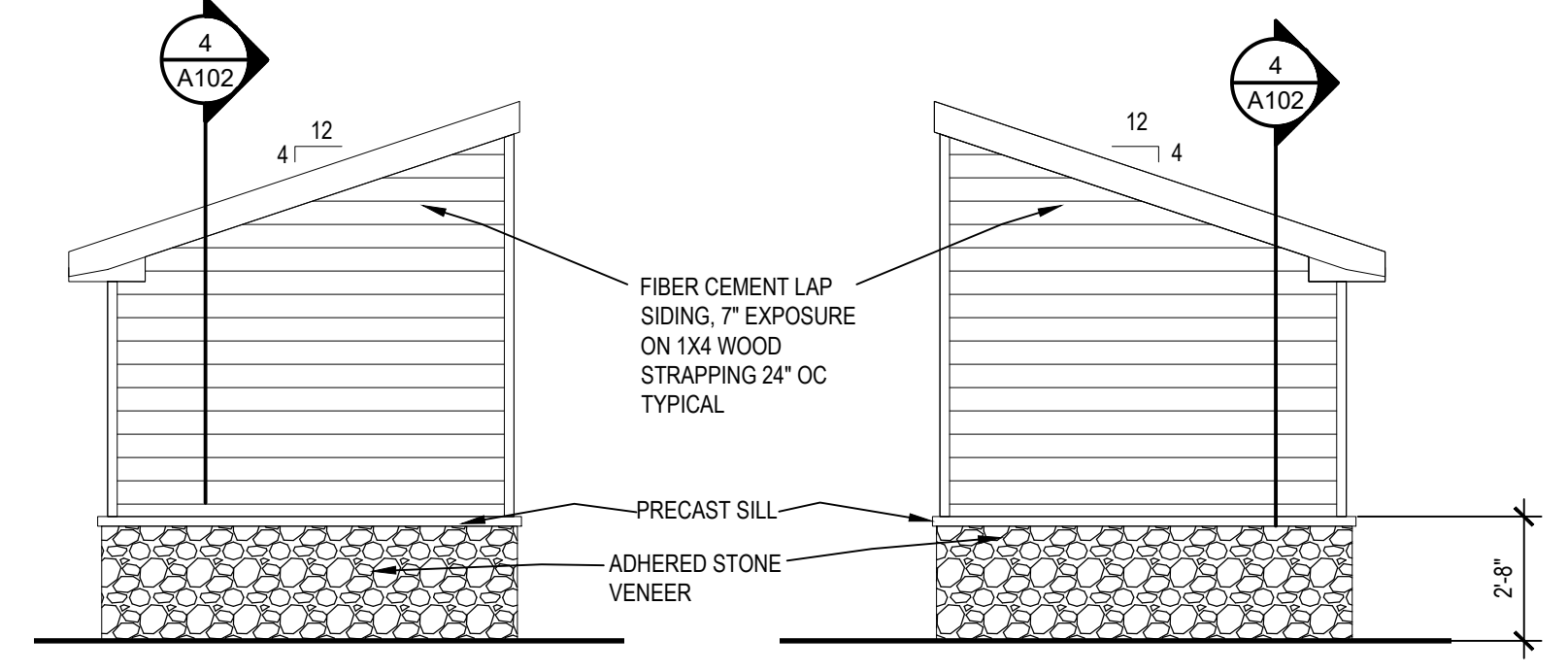
5 ROOF PLAN
1/4" = 1'-0"



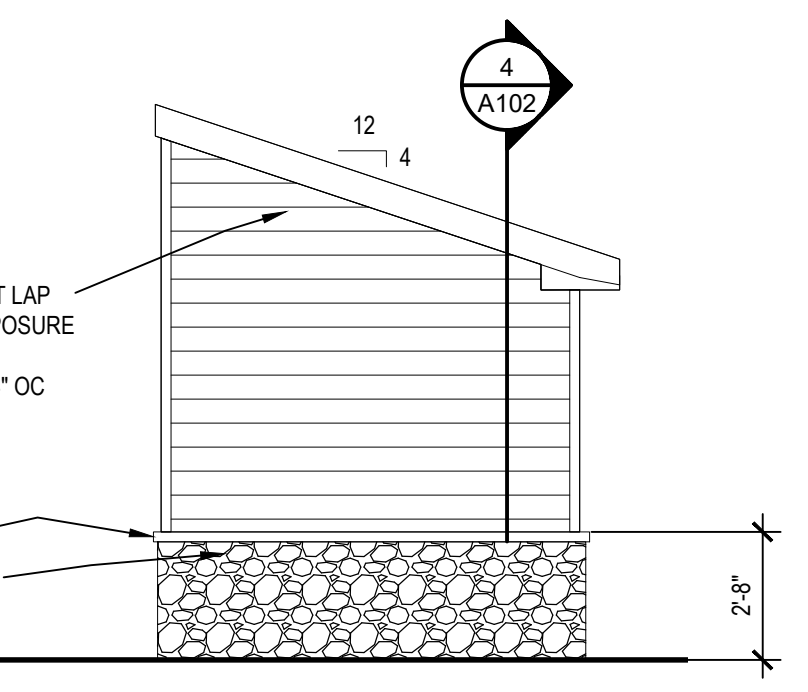
A ELEVATION
1/4" = 1'-0"



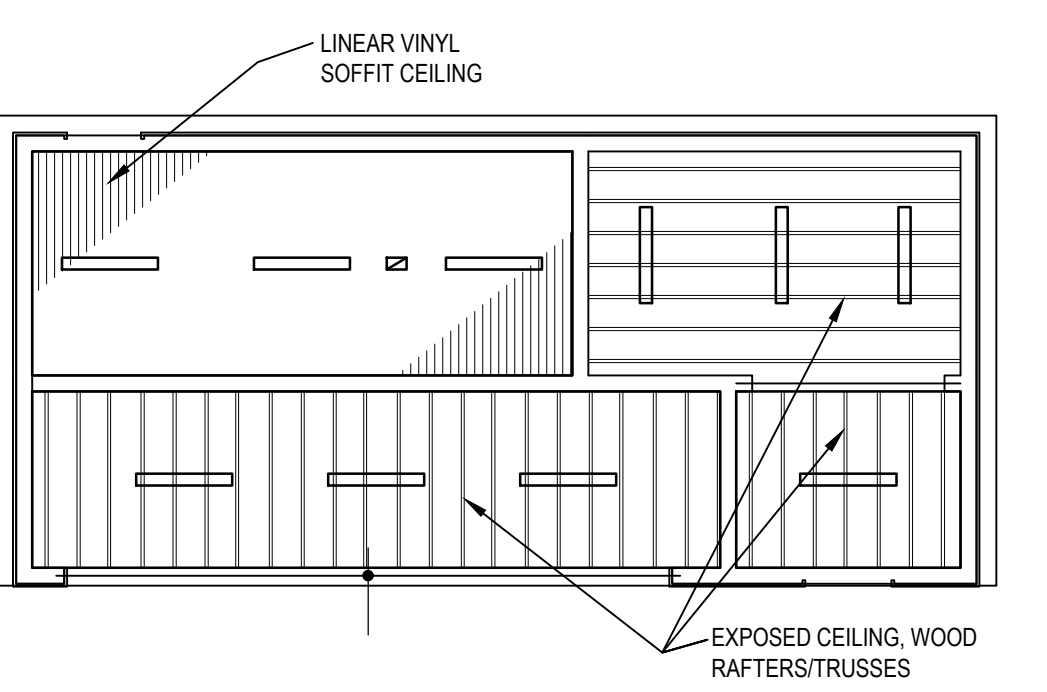
B ELEVATION
1/4" = 1'-0"



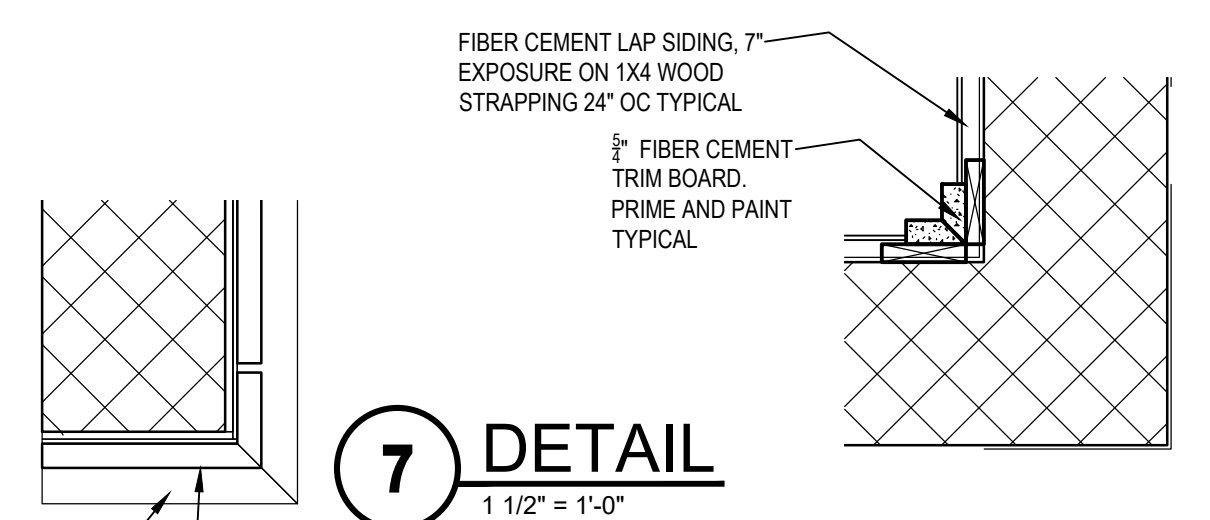
C ELEVATION
1/4" = 1'-0"



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



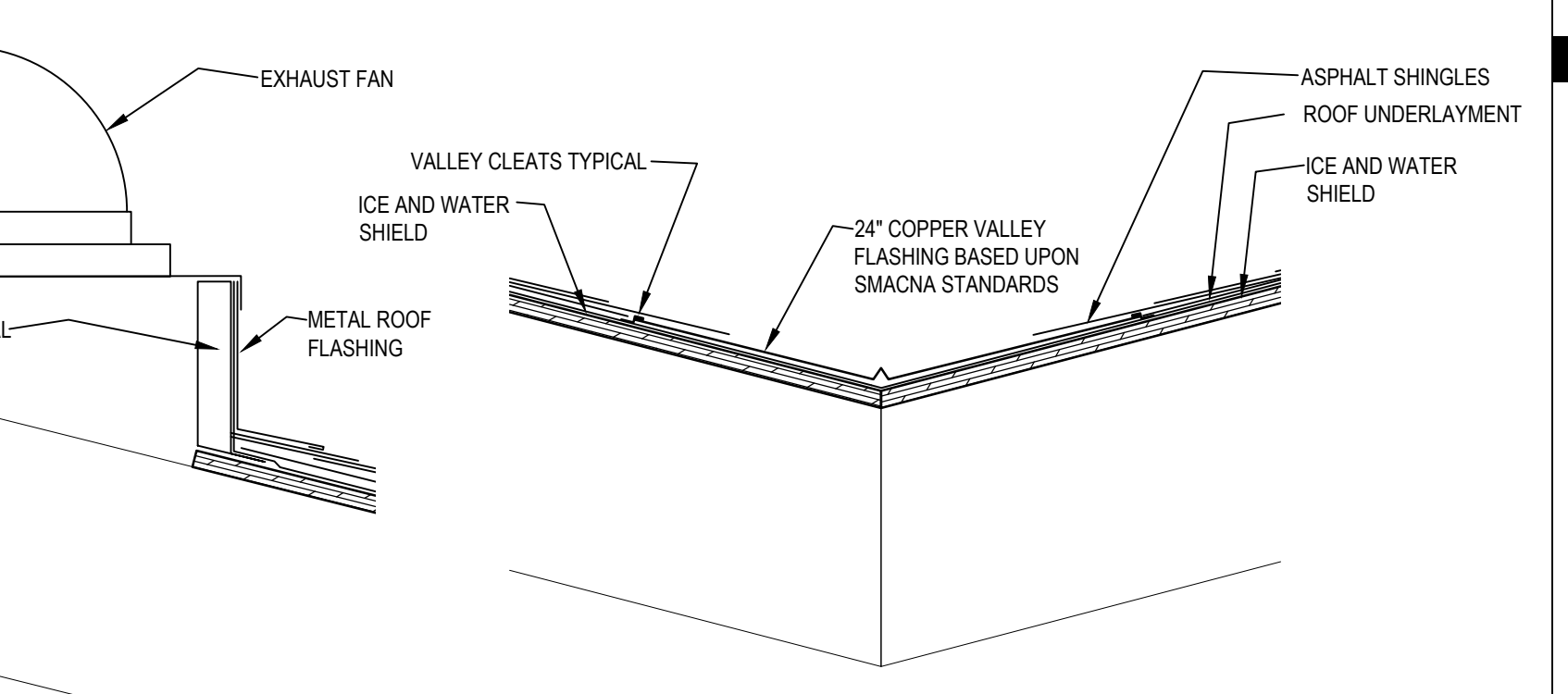
6 REFLECTED CEILING PLAN
1/8" = 1'-0"



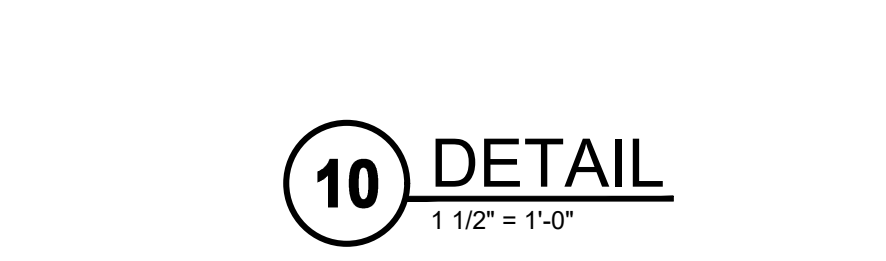
7 DETAIL
1 1/2" = 1'-0"



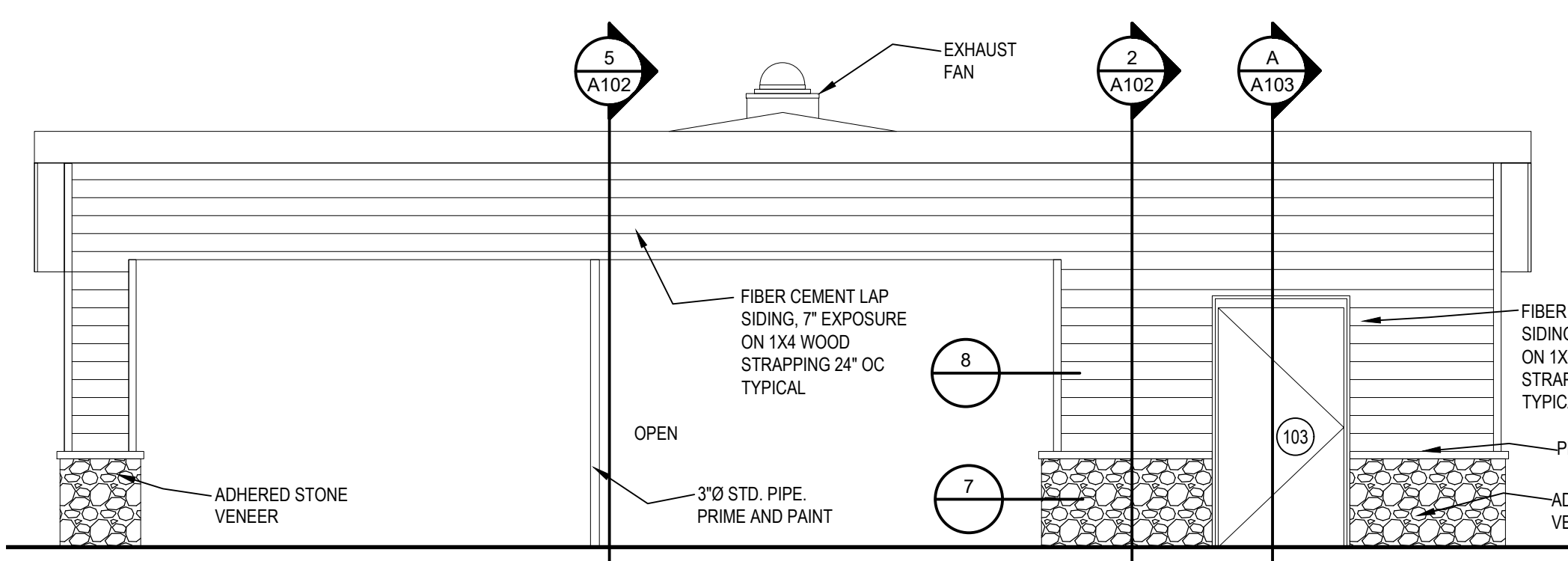
8 DETAIL
1 1/2" = 1'-0"



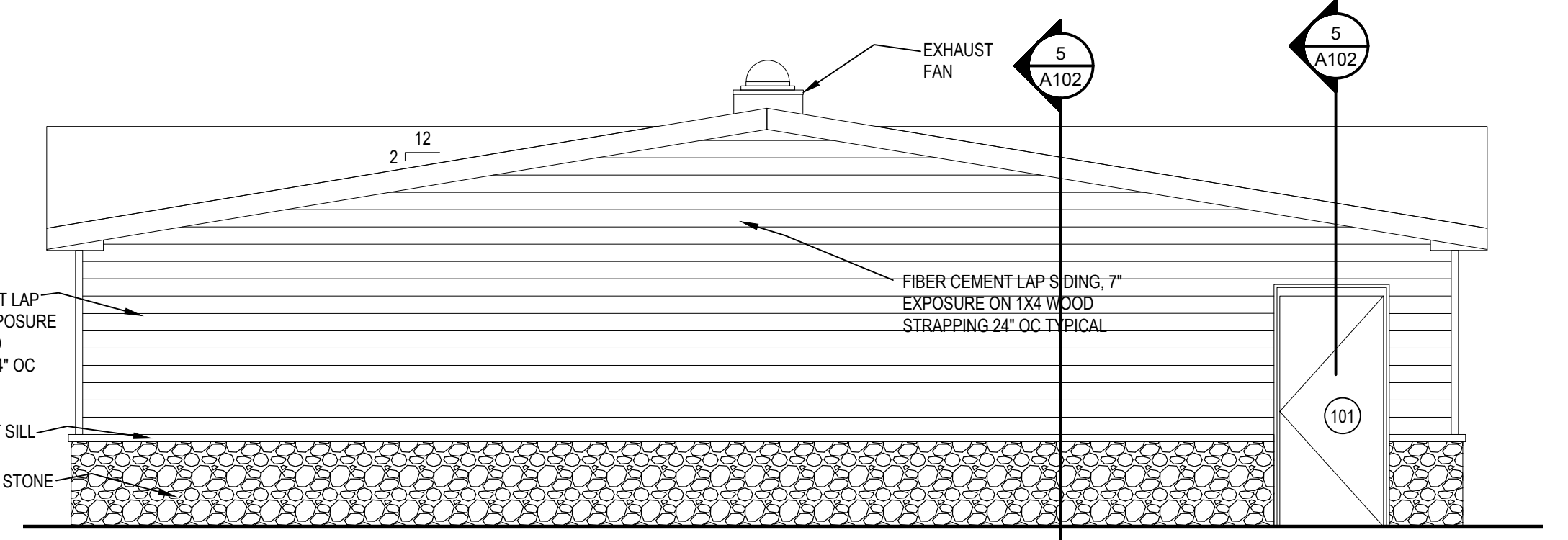
9 DETAIL
1 1/2" = 1'-0"



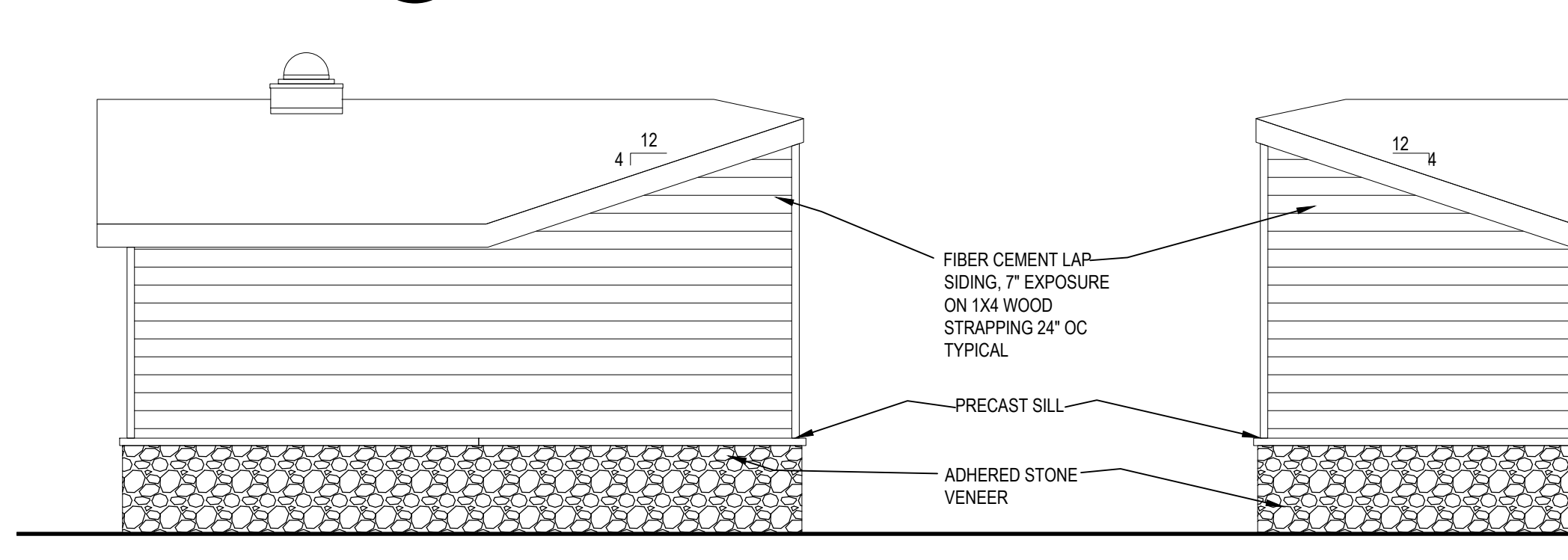
10 DETAIL
1 1/2" = 1'-0"



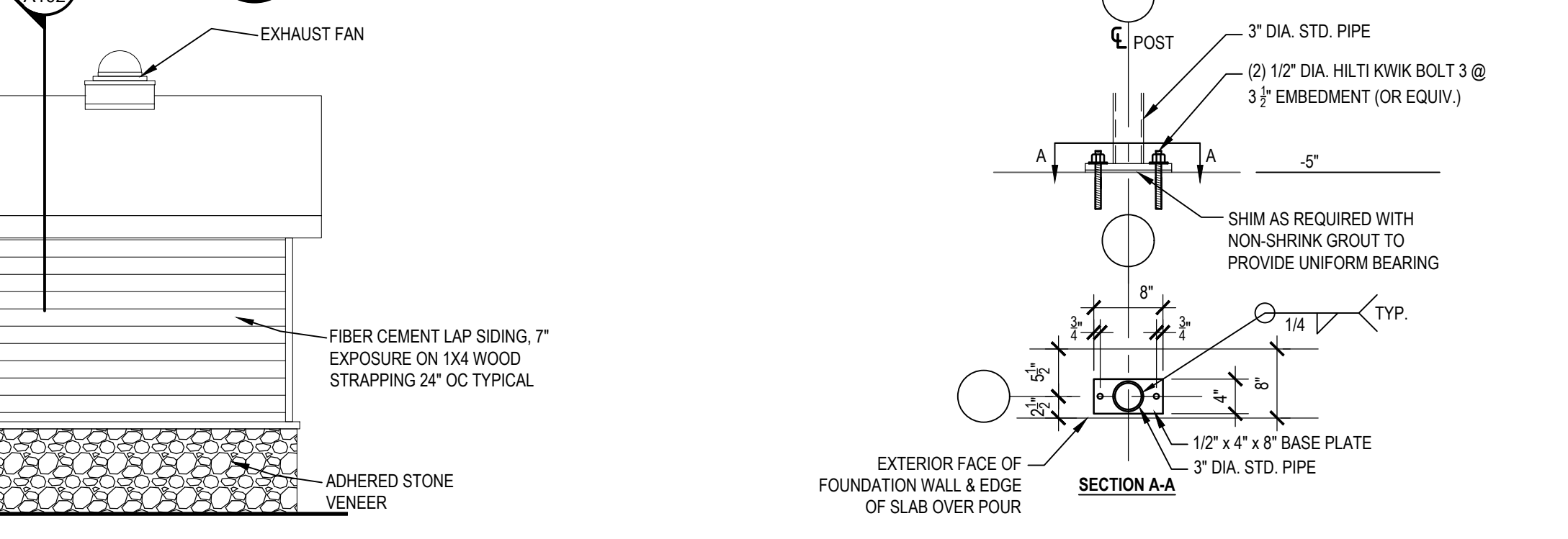
E ELEVATION
1/4" = 1'-0"



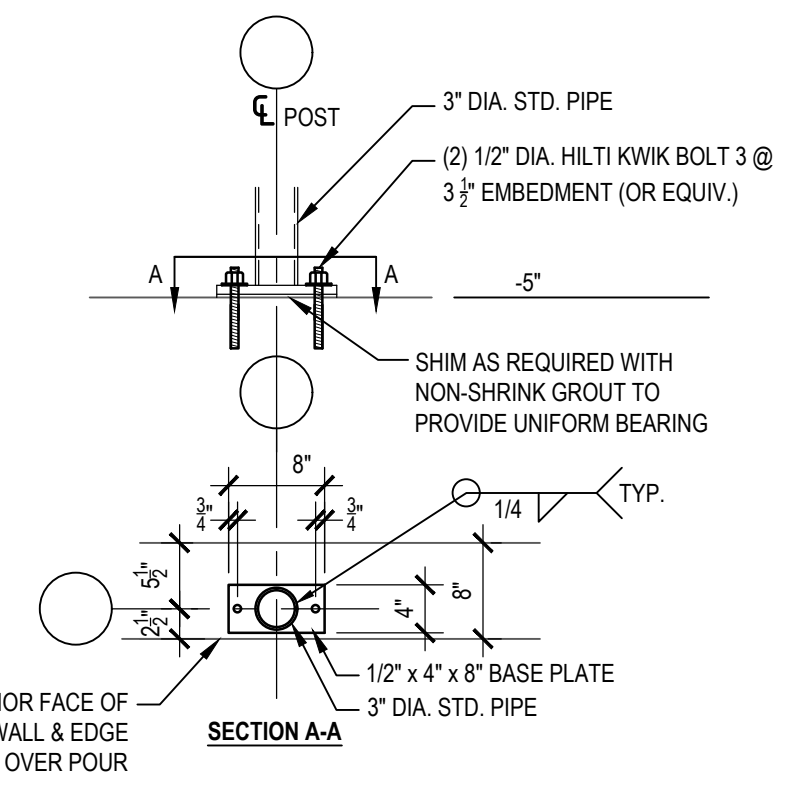
F ELEVATION
1/4" = 1'-0"



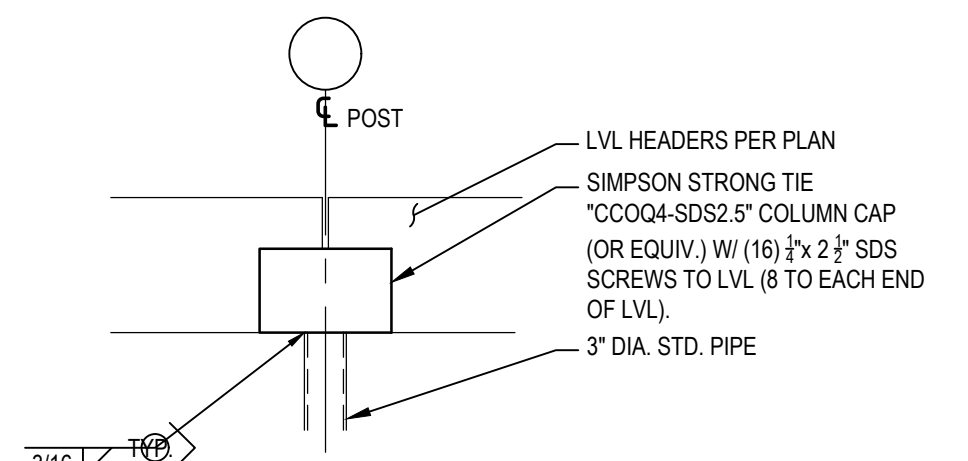
G ELEVATION
1/4" = 1'-0"



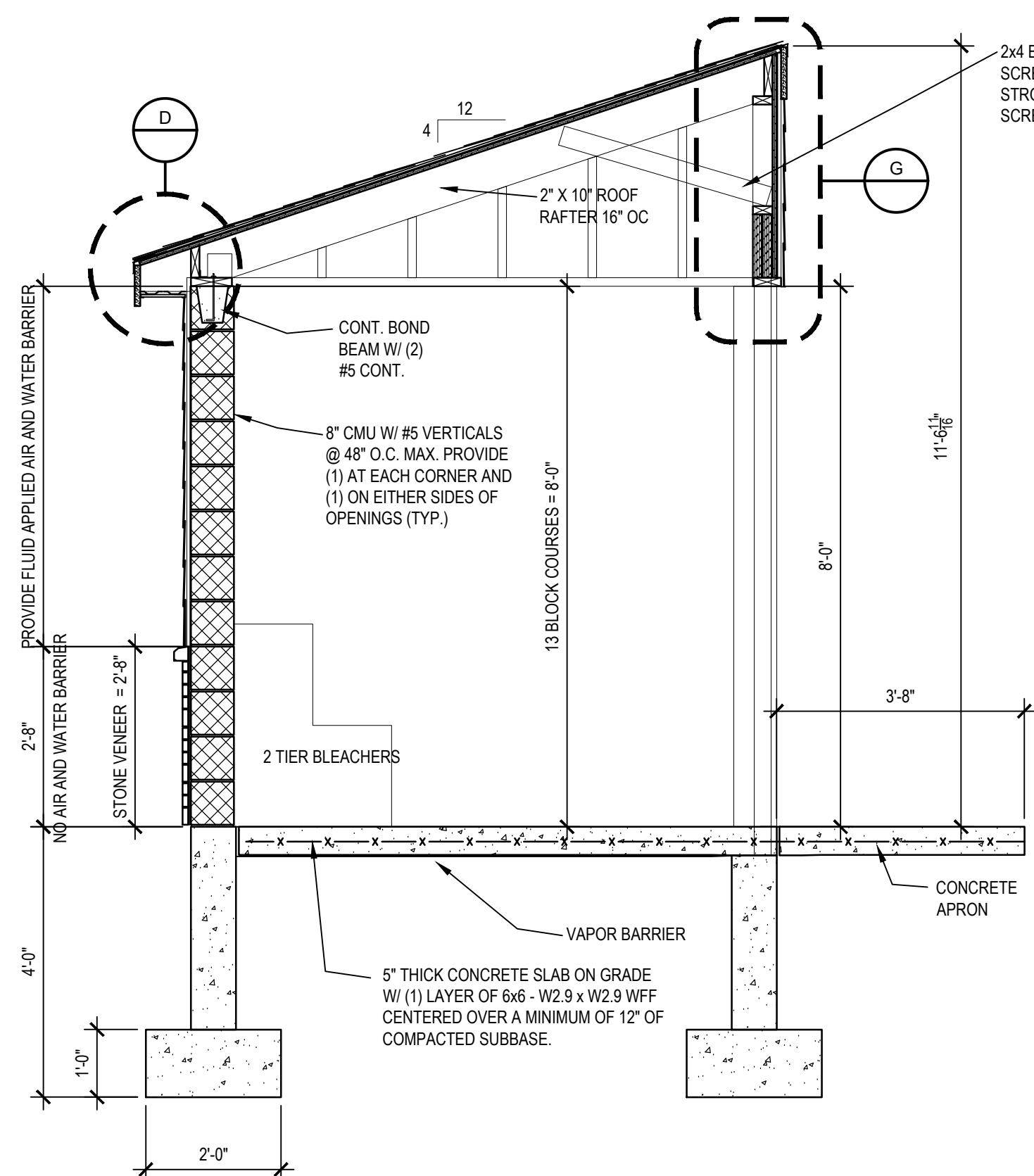
H ELEVATION
1/4" = 1'-0"



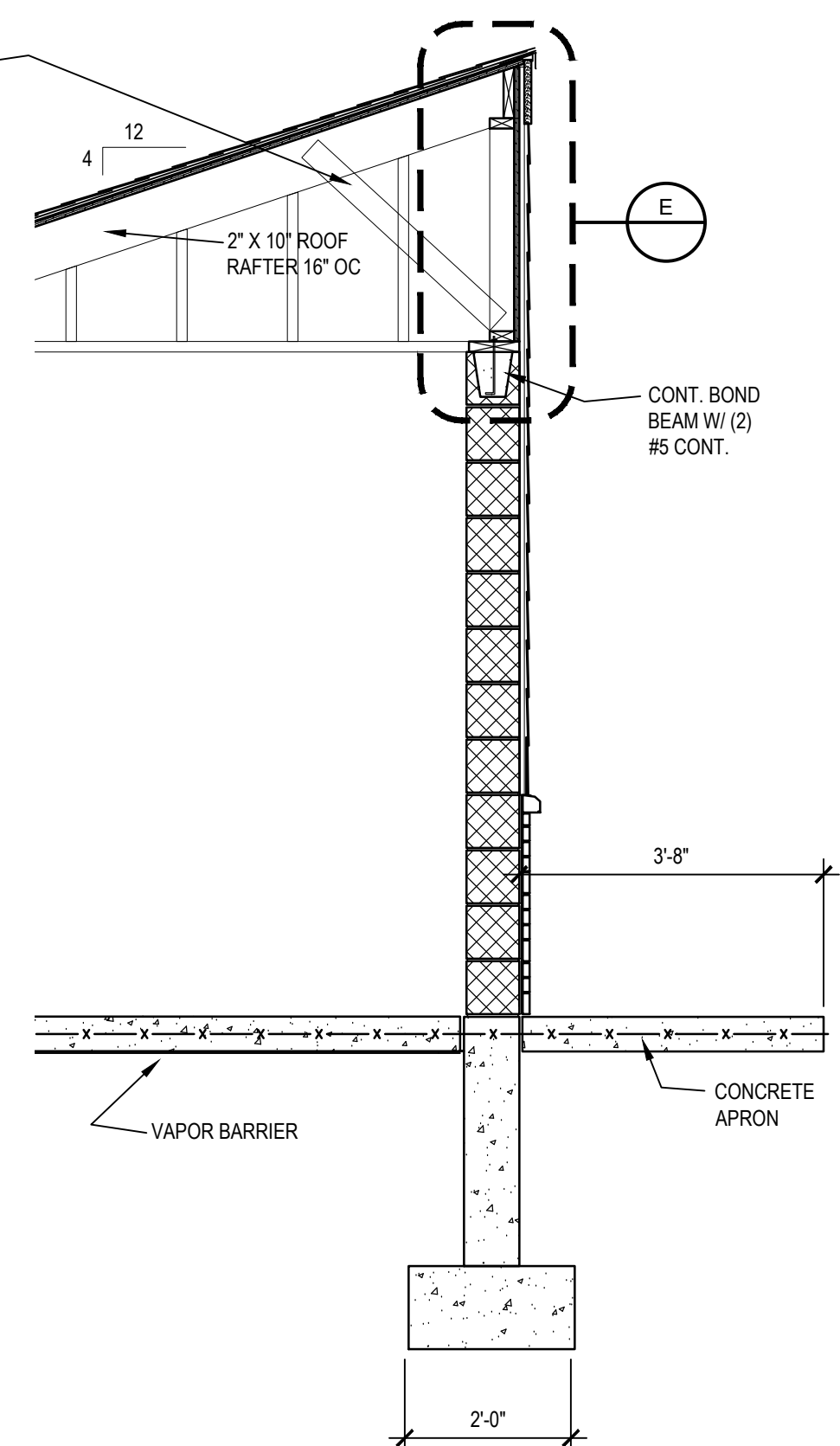
11 POST BASE
3/4" = 1'-0"



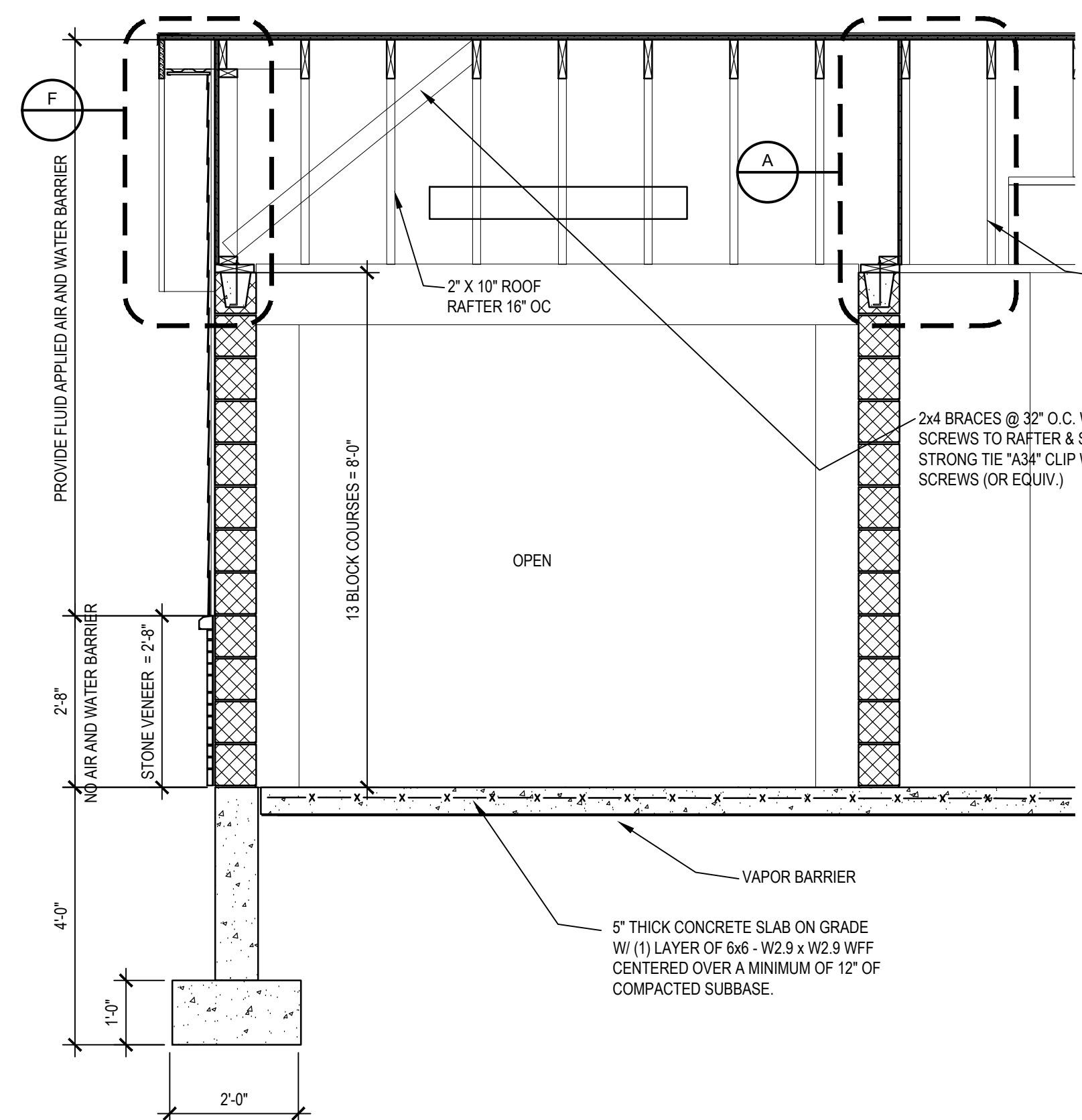
12 POST CAP
3/4" = 1'-0"



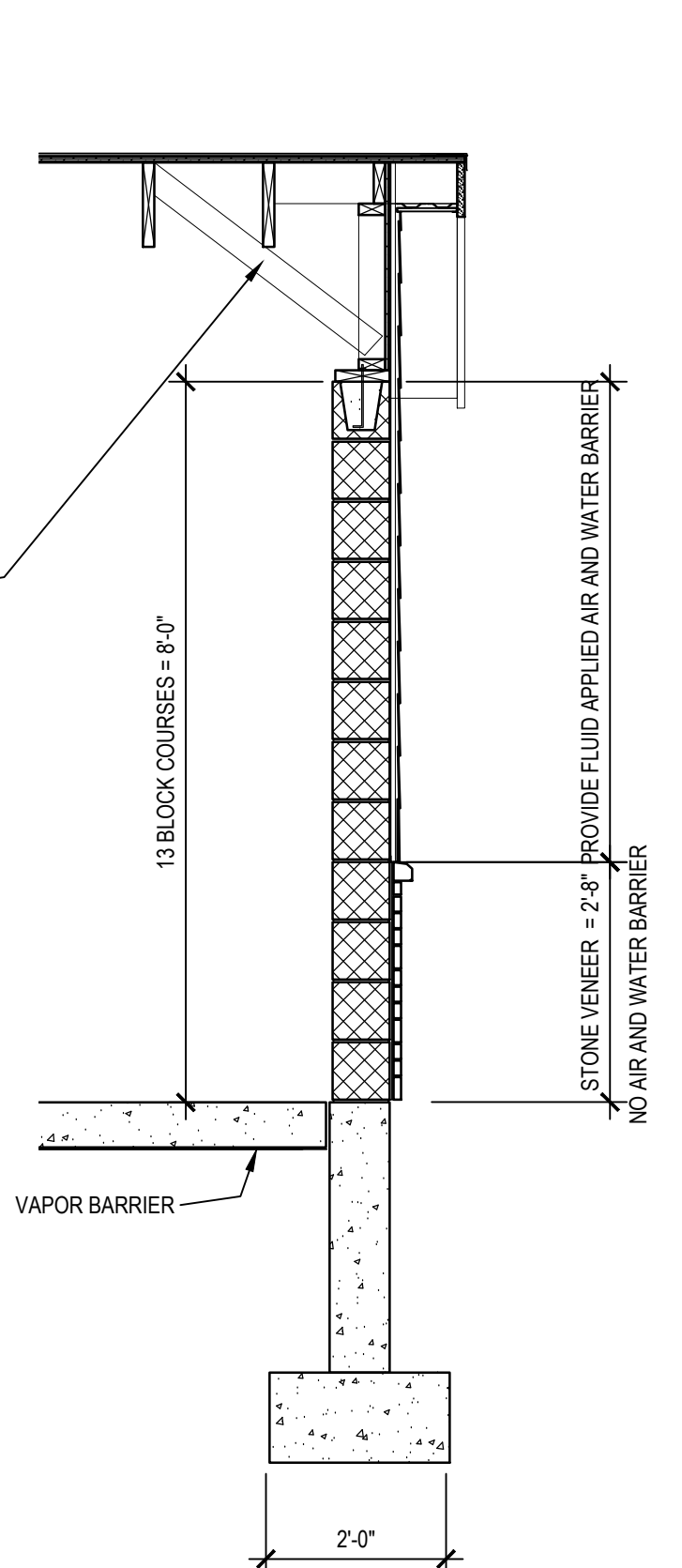
1 BUILDING SECTION
1/2" = 1'-0"



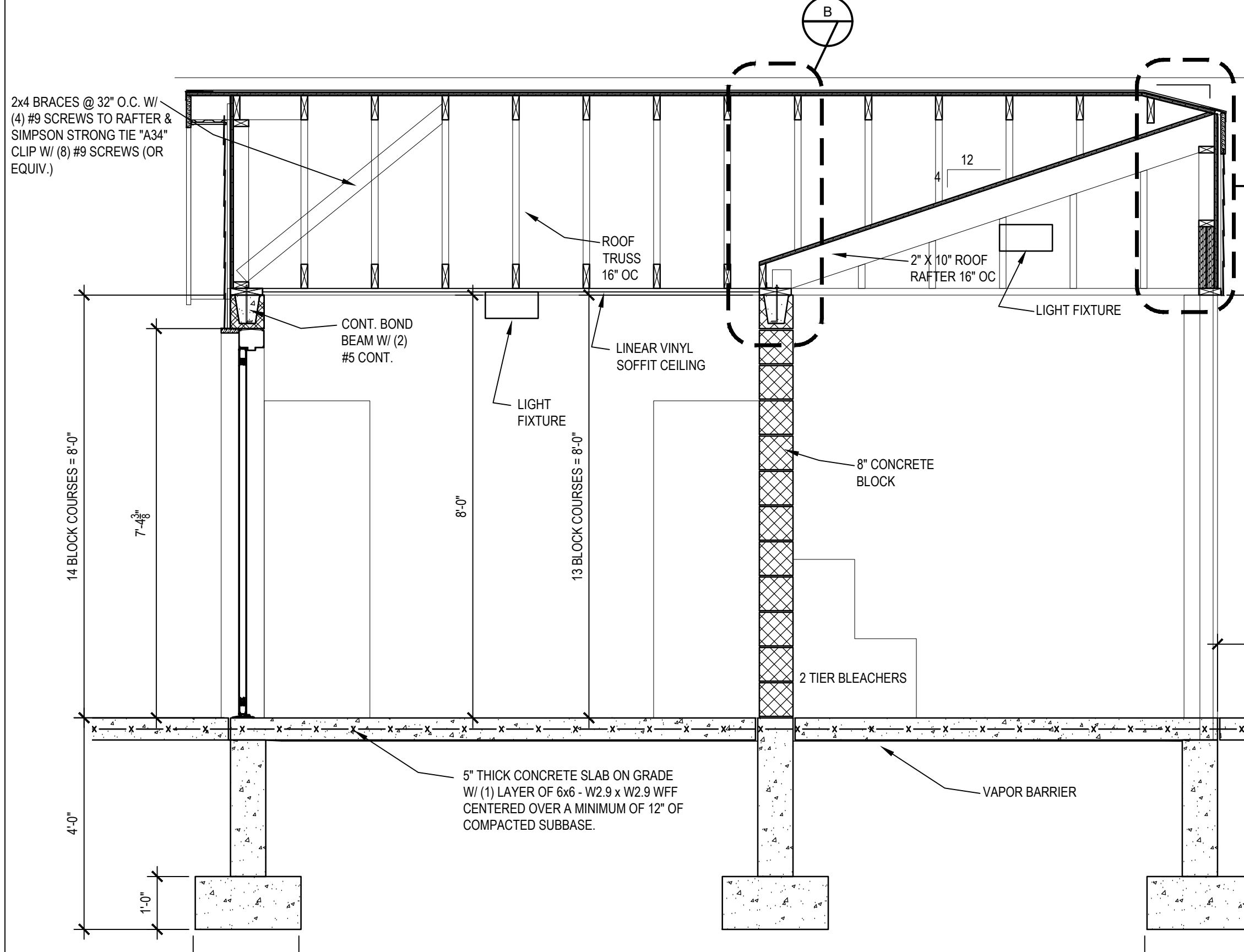
2 BUILDING SECTION
1/2" = 1'-0"



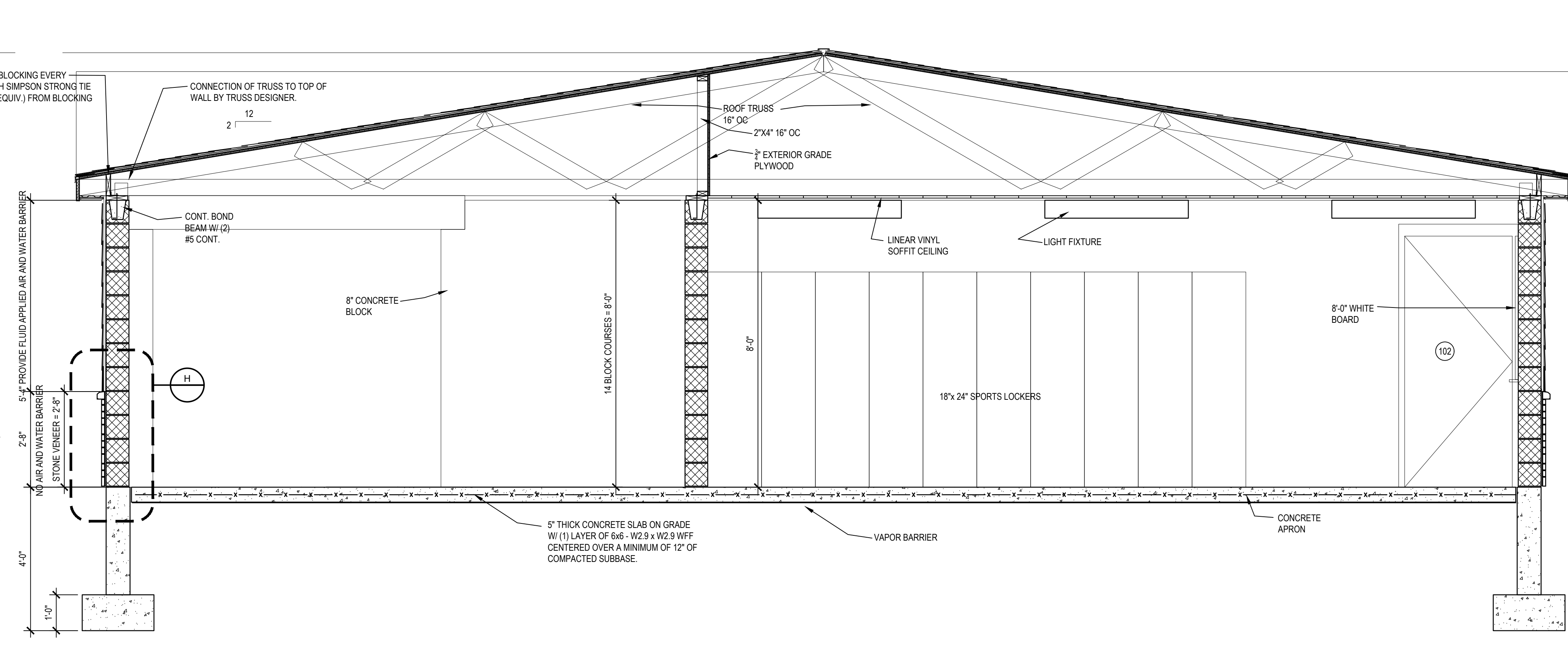
3 SECTION
1/2" = 1'-0"



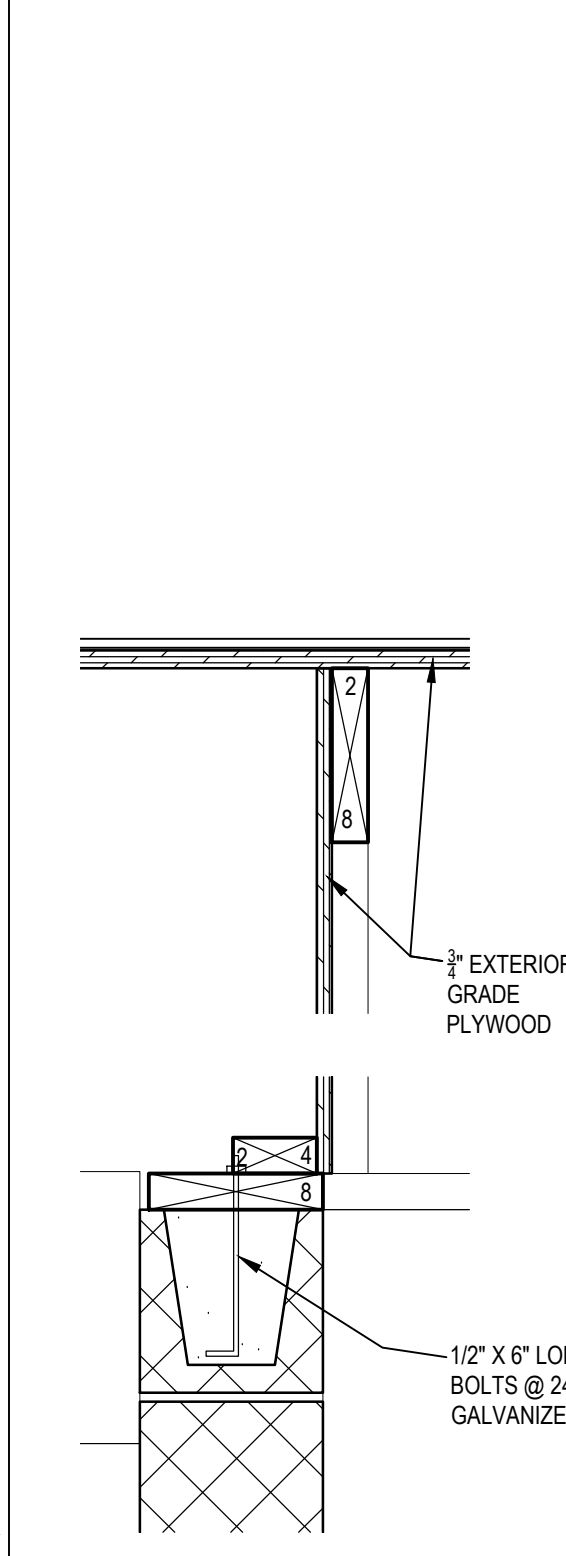
4 SECTION
1/2" = 1'-0"



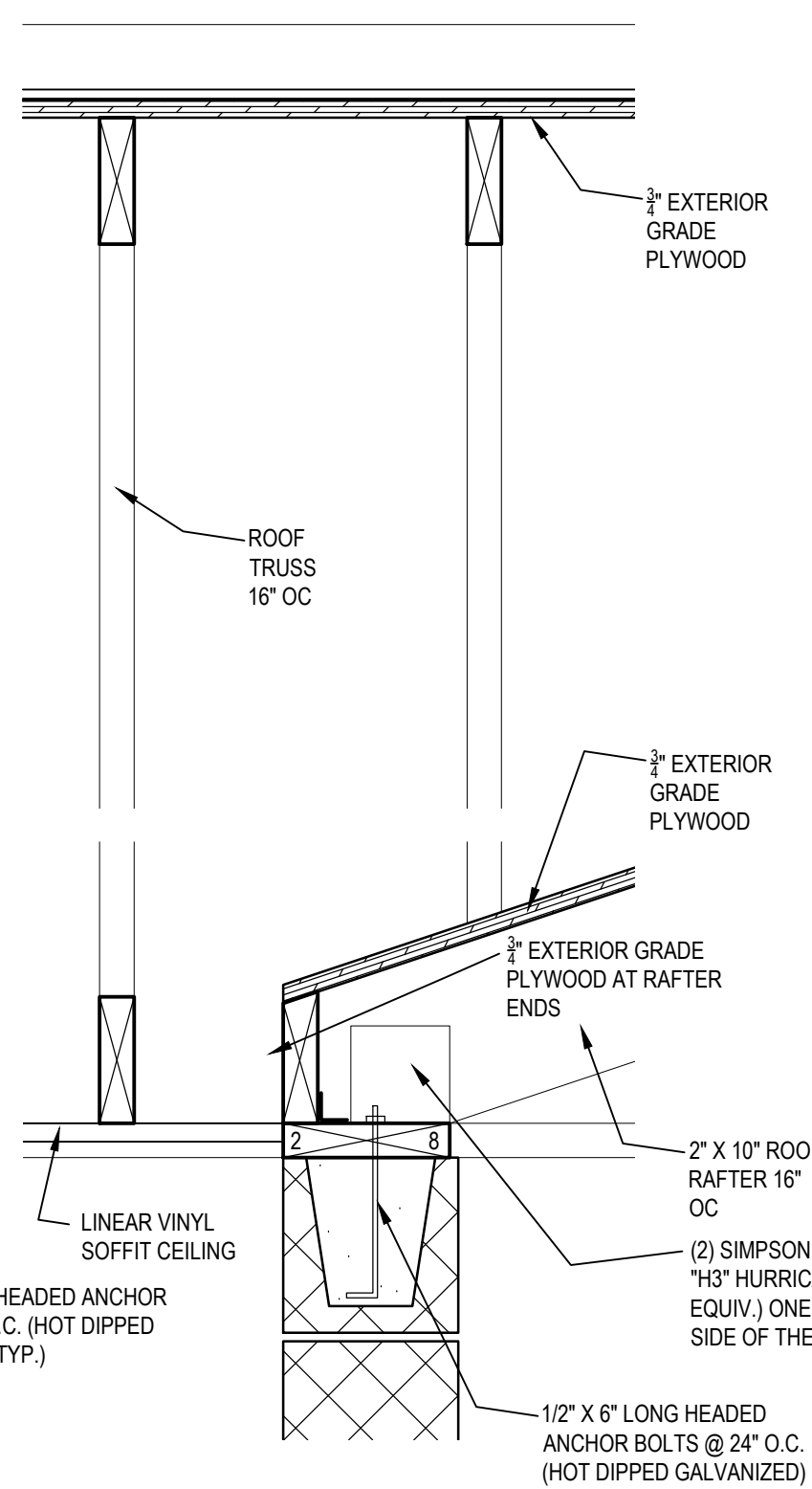
5 BUILDING SECTION
1/2" = 1'-0"



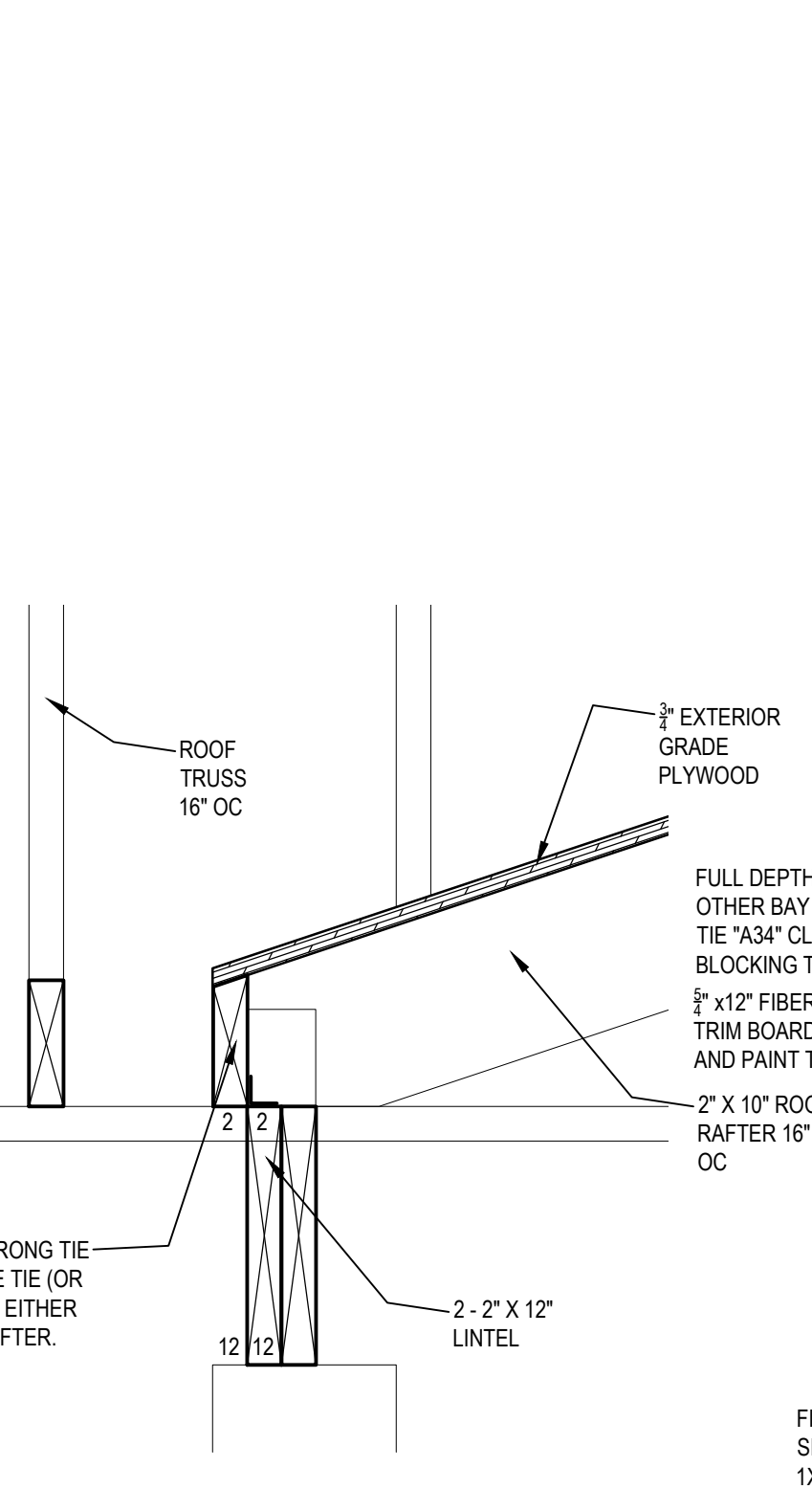
6 BUILDING SECTION
1/2" = 1'-0"



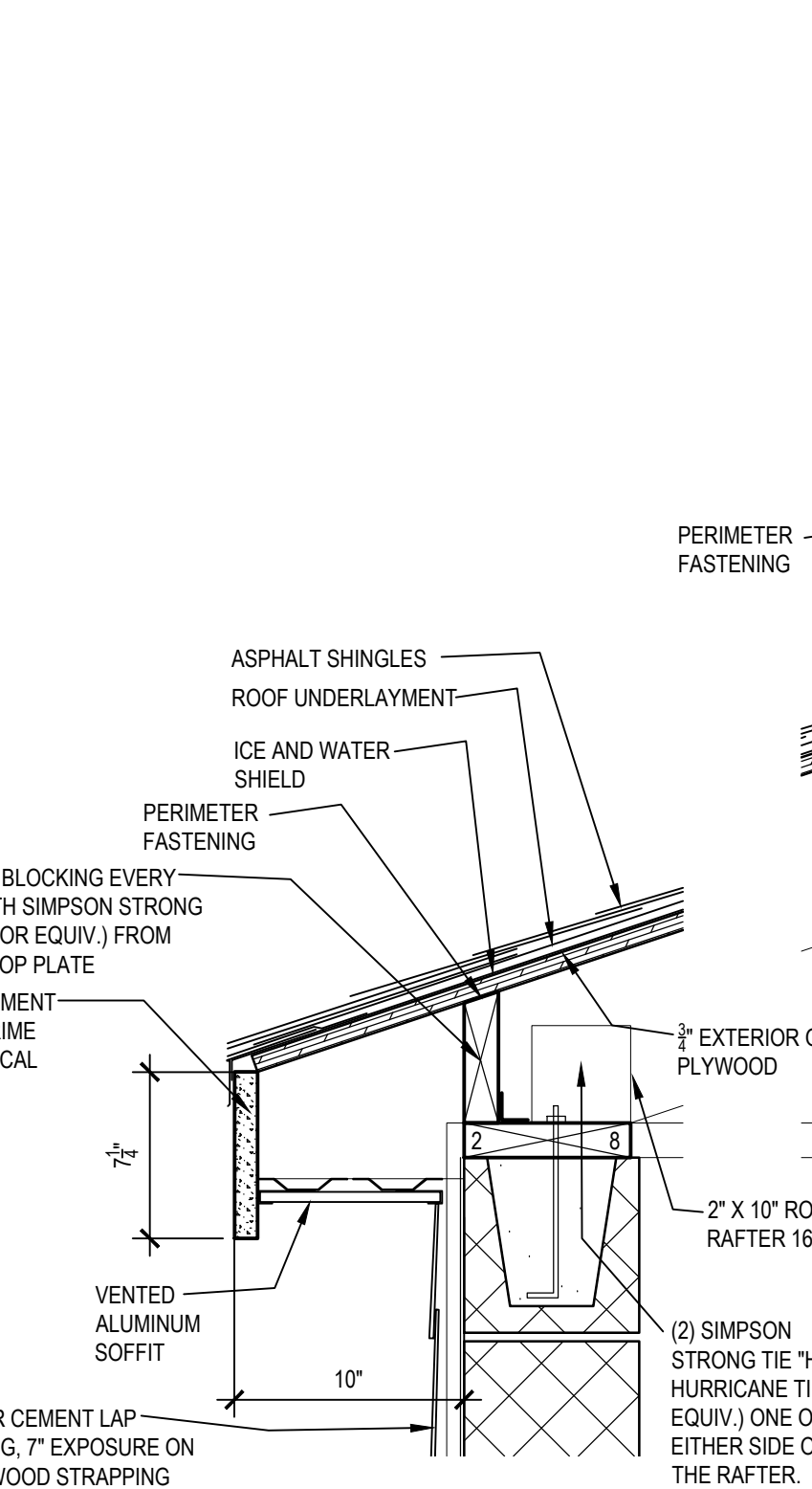
A DETAIL
1 1/2" = 1'-0"



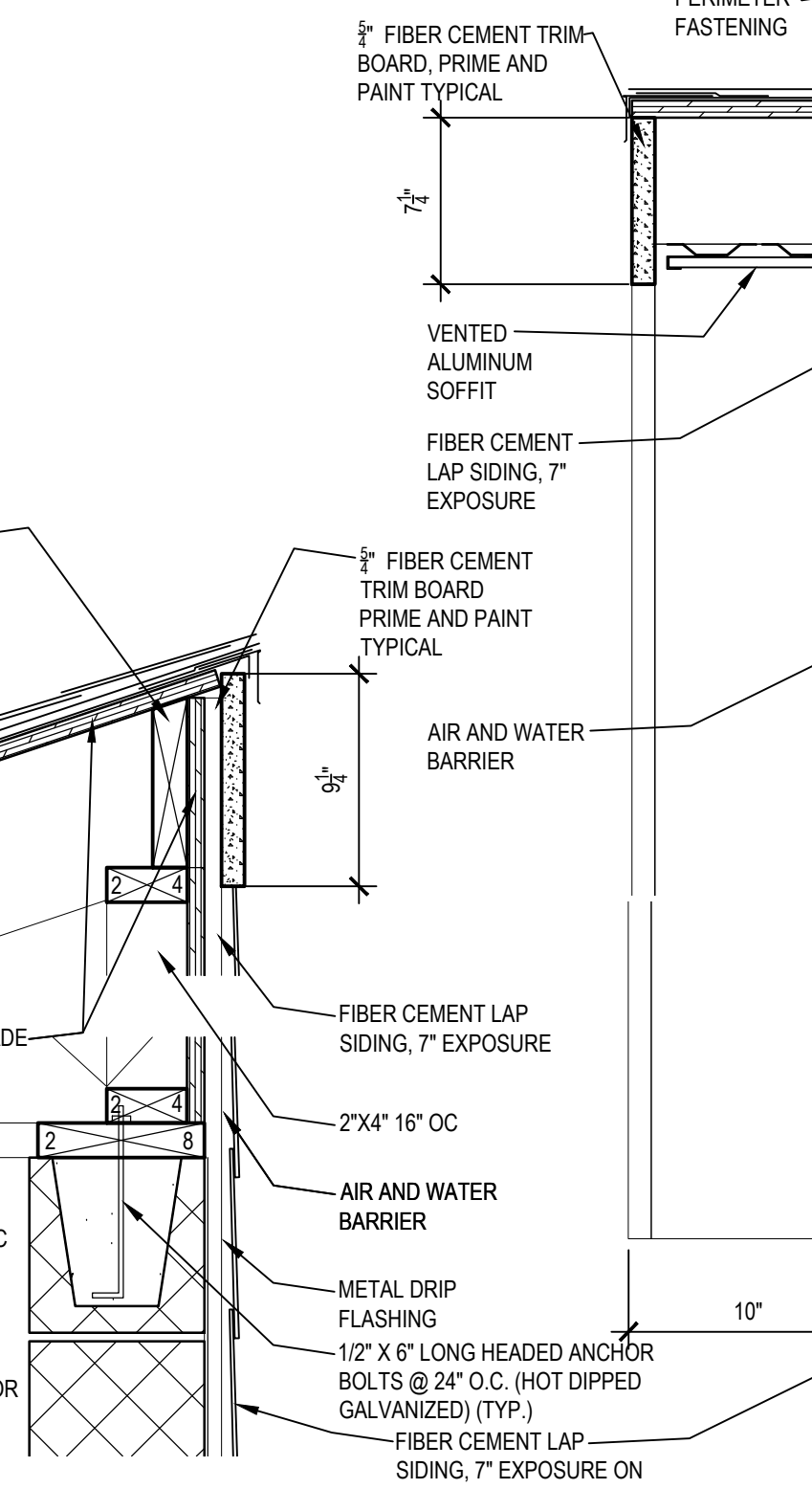
B DETAIL
1 1/2" = 1'-0"



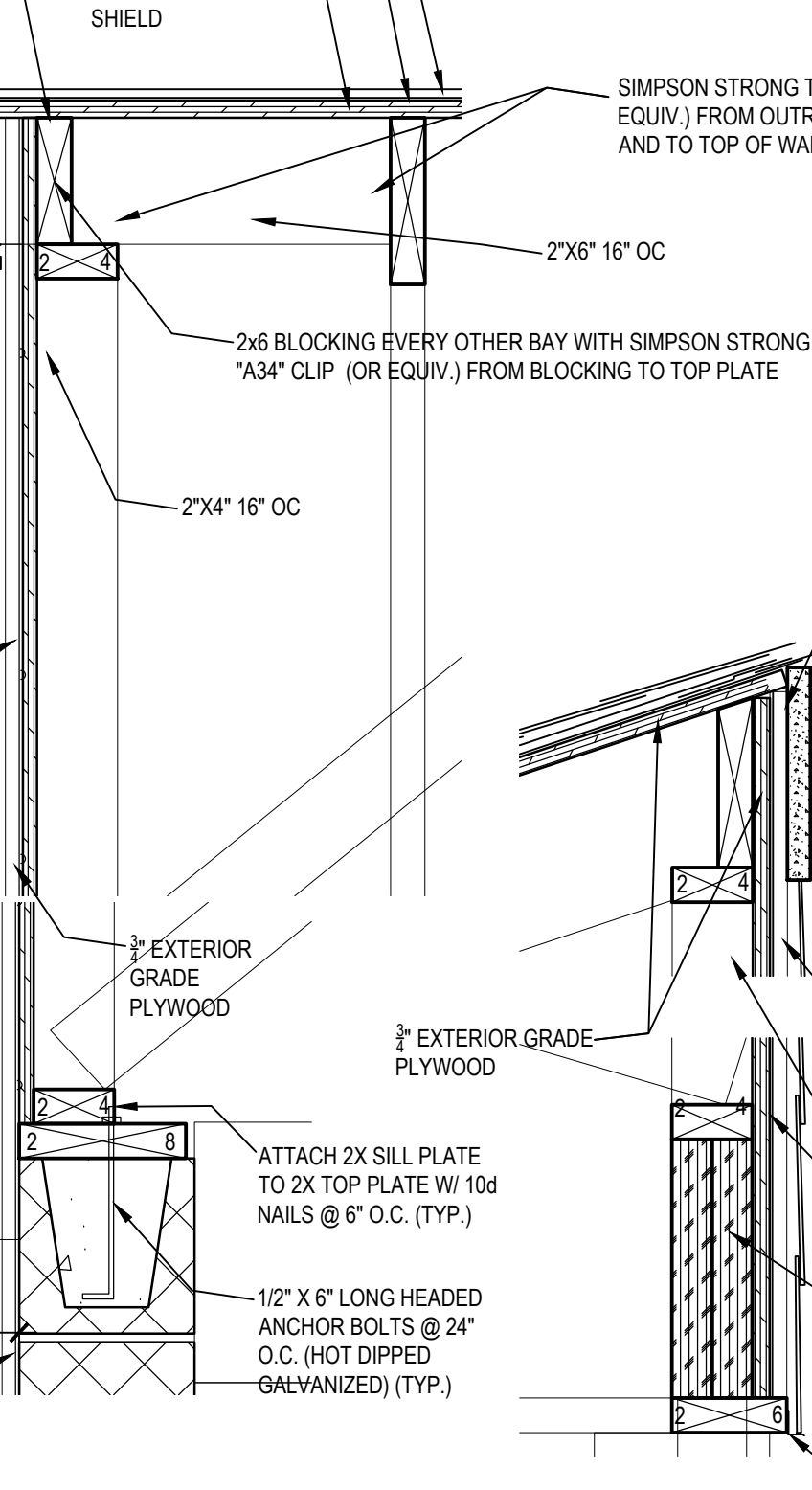
C DETAIL
1 1/2" = 1'-0"



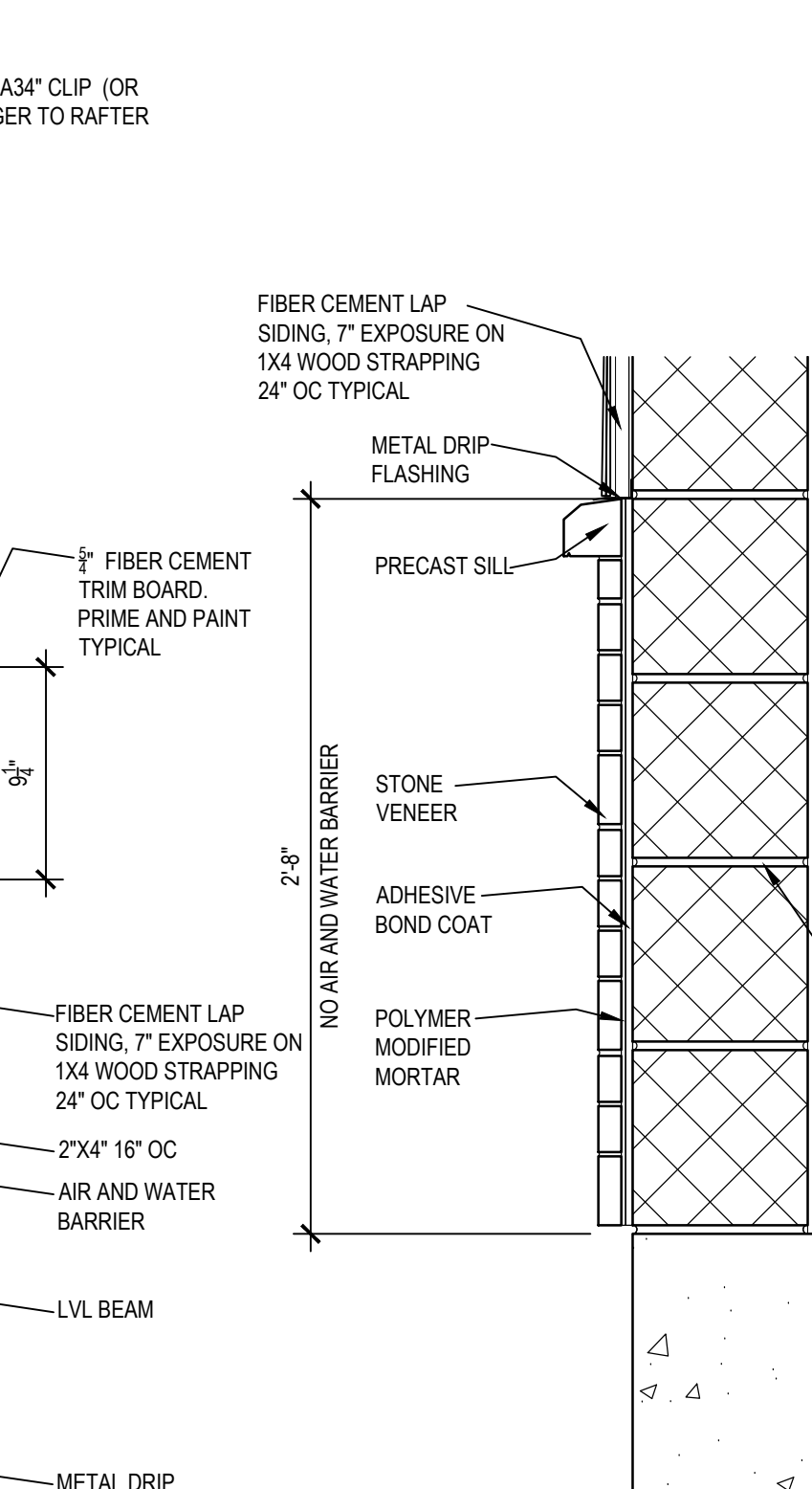
D DETAIL
1 1/2" = 1'-0"



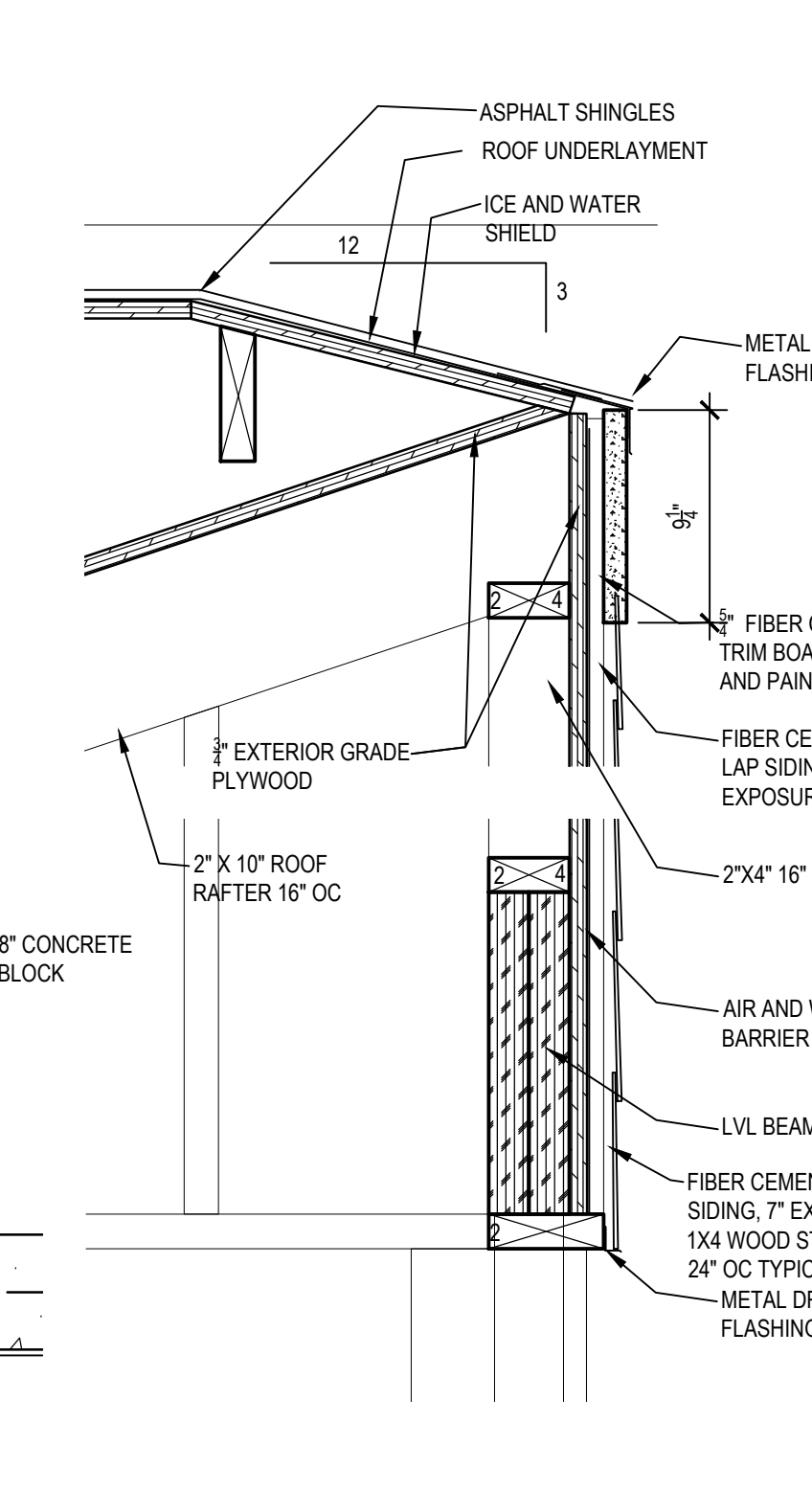
E DETAIL
1 1/2" = 1'-0"



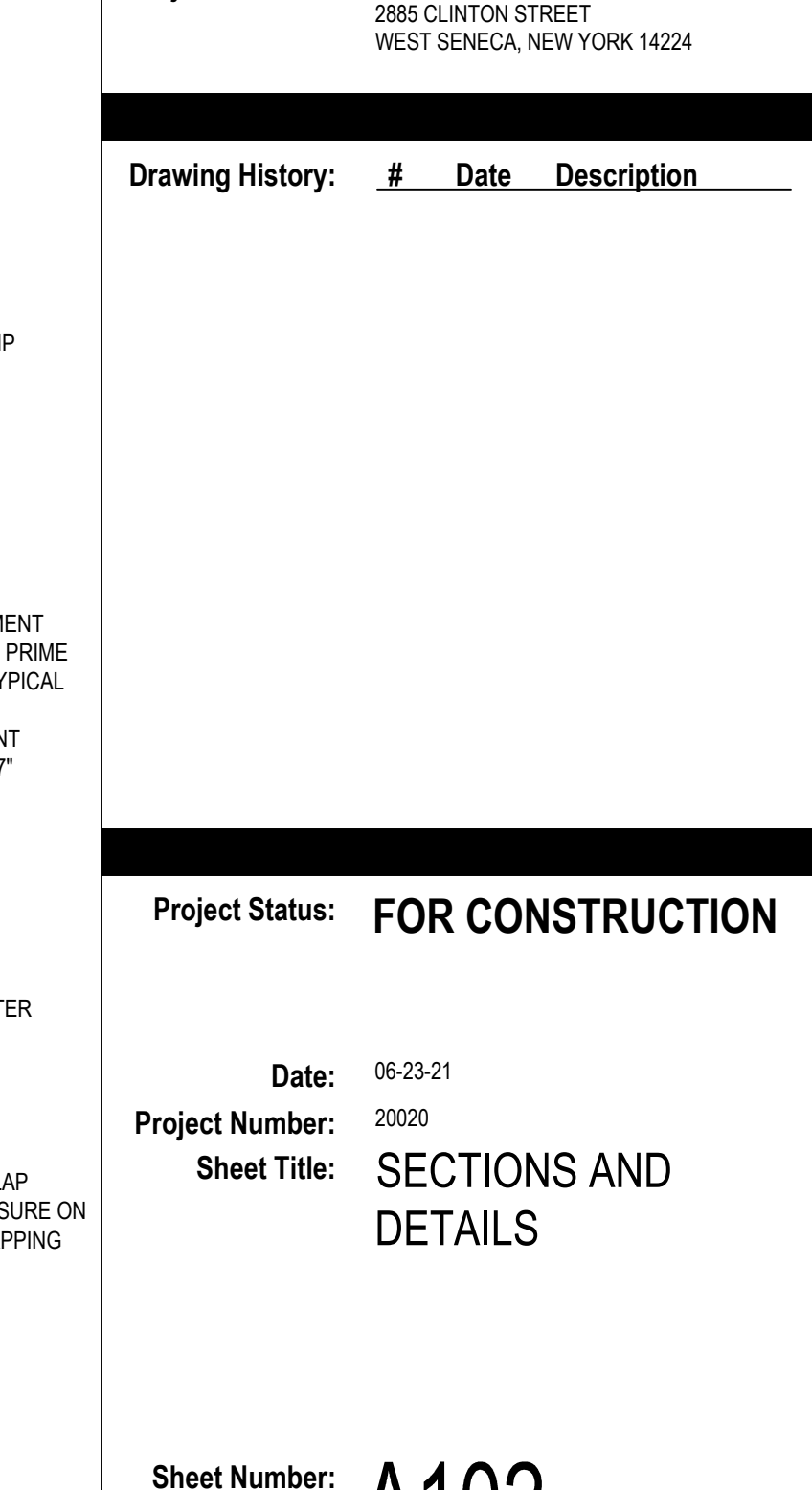
F DETAIL
1 1/2" = 1'-0"



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



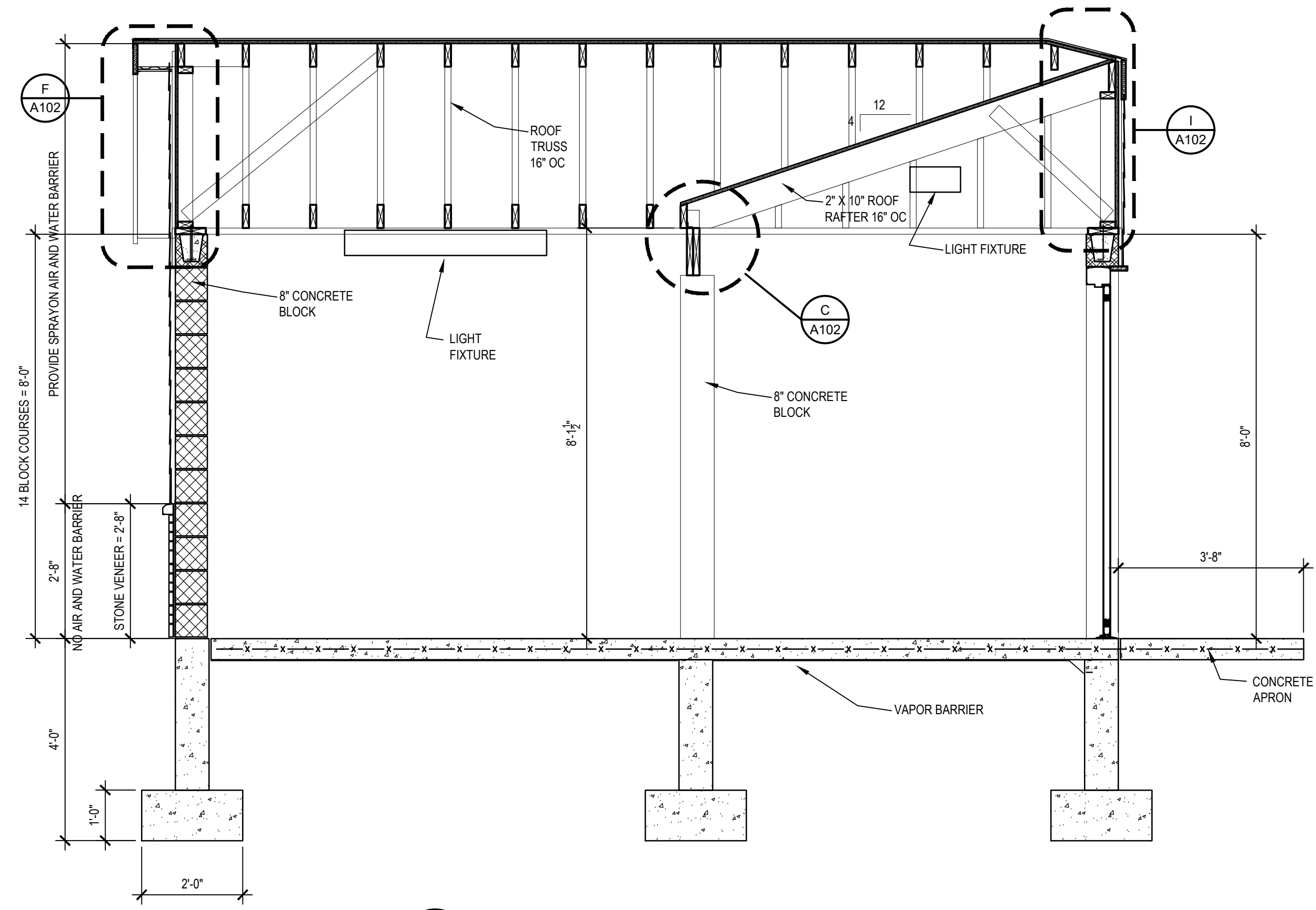
H DETAIL
1 1/2" = 1'-0"



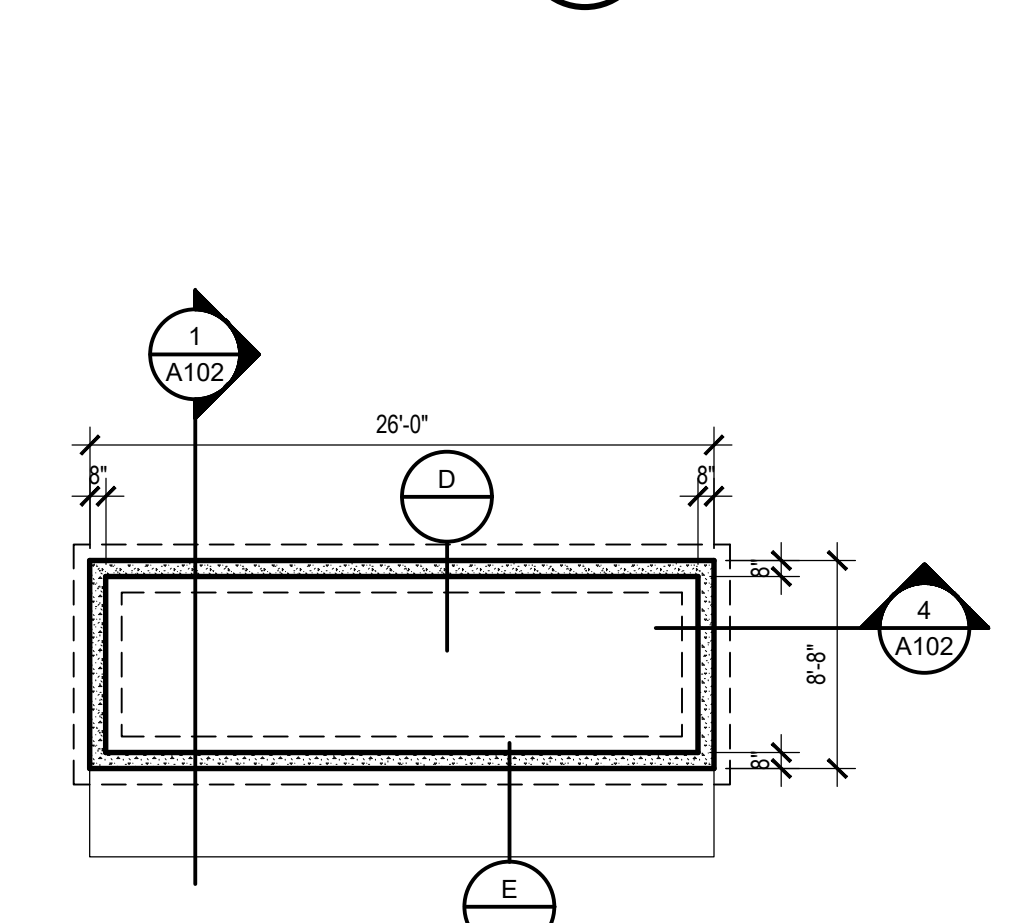
I DETAIL
1 1/2" = 1'-0"

ROOM FINISH SCHEDULE									
NUMBER	ROOM NAME	FLOOR		WALL		CEILING		CEILING HEIGHT	REMARKS
		CONCRETE	PAINT	CONCRETE BLOCK	PAINT	EXPOSED	LINEAR VINYL SOFFIT		
101	DUGOUT 1	●	●	●	●	●	●	8'-0"	---
201	DUGOUT 2	●	●	●	●	●	●	8'-0"	---
202	STORAGE	●	●	●	●	●	●	8'-0"	---
203	LOCKER	●	●	●	●	●	●	8'-0"	---

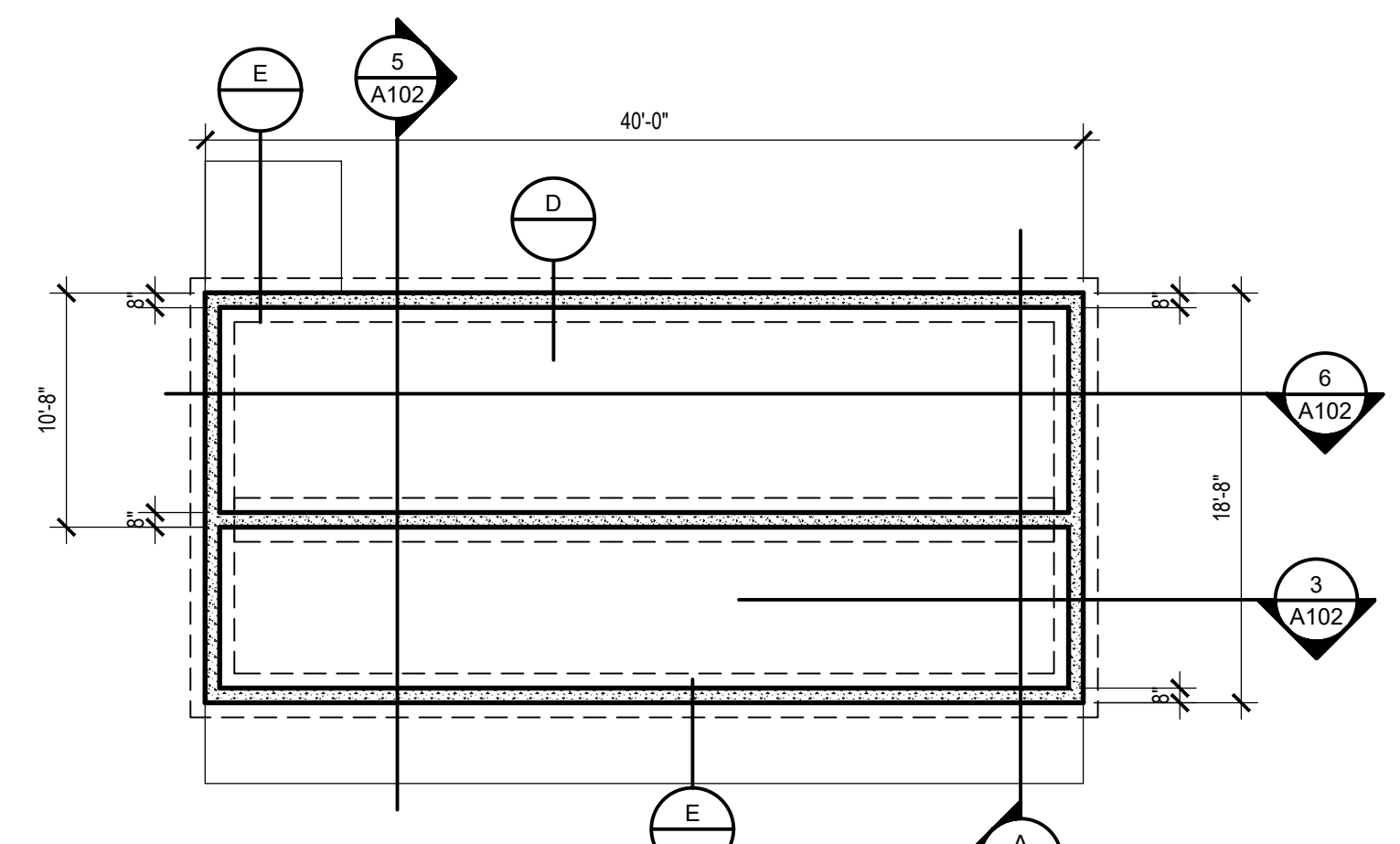
DOOR SCHEDULE												
NUMBER	DOOR			FRAME		DETAILS			FIRE RATING LABEL	HARDWARE SET NO.	REMARKS	
	WIDTH	HEIGHT	TYPE	MATERIAL	TYPE	MATERIAL	JAMB	HEAD				SILL
101	3'-0"	7'-0"	B	FRP	A	FRP	4,6	3	5	---	1	---
102	3'-0"	7'-0"	B	FRP	A	FRP	7	1	2	---	1	---
103	3'-6"	7'-0"	B	FRP	A	FRP	4,6	3	5	---	2	---



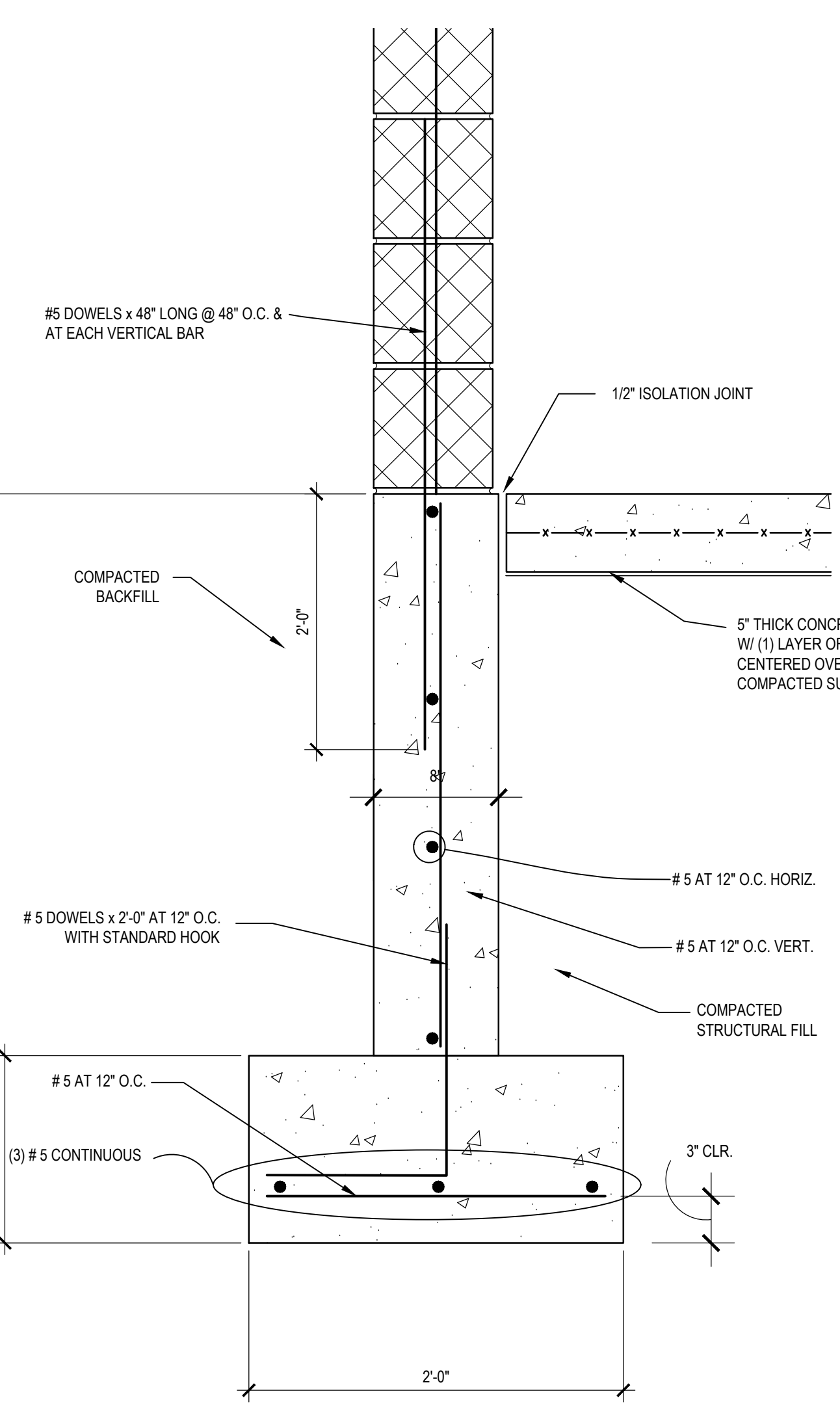
A BUILDING SECTION
1/2" = 1'-0"



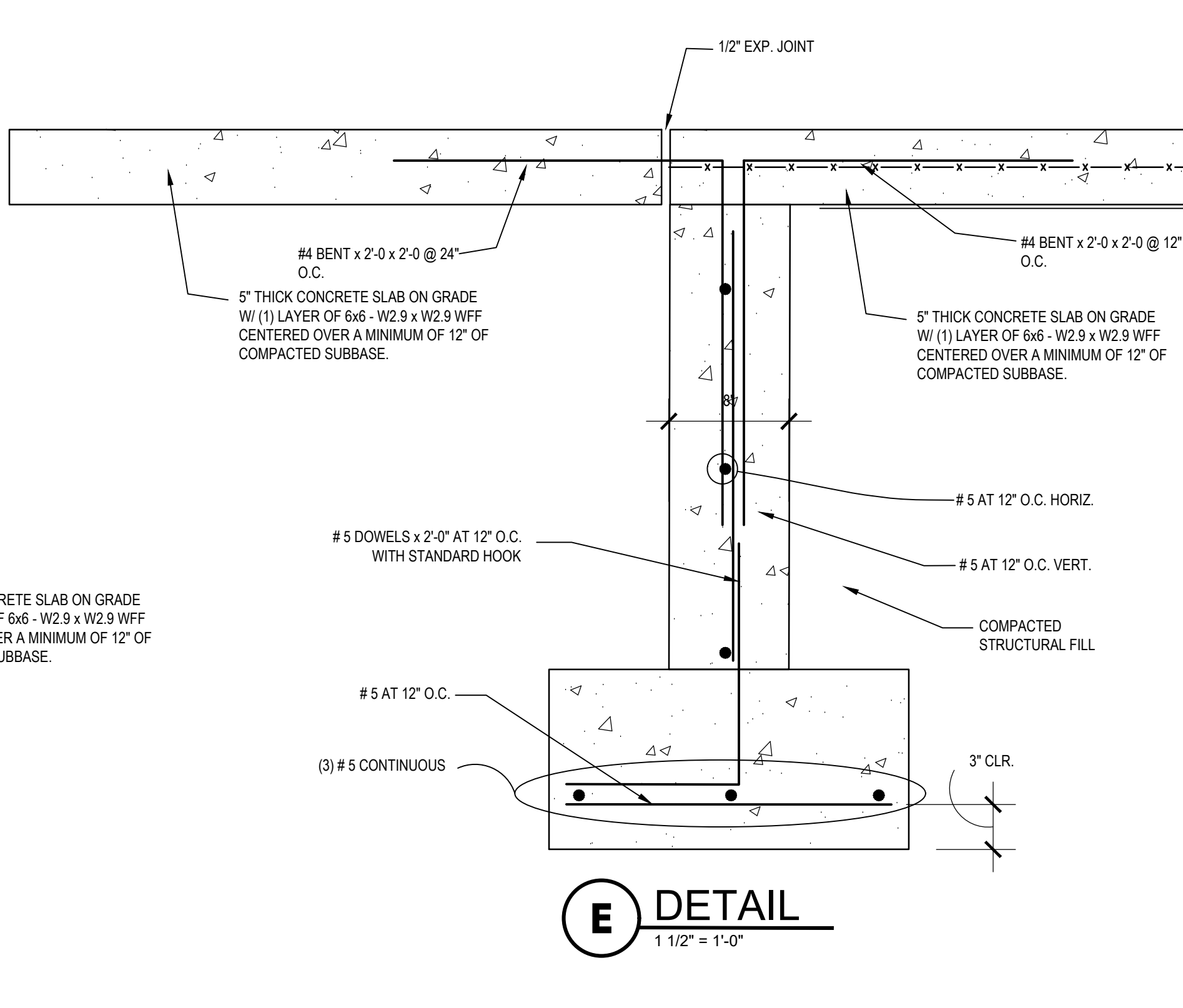
B FOUNDATION PLAN
1/8" = 1'-0"



C FOUNDATION PLAN
1/8" = 1'-0"



D DETAIL
1 1/2" = 1'-0"



E DETAIL
1 1/2" = 1'-0"

- NOTES:
- DESIGN IS BASED ON AN ASSUMED SOIL BEARING CAPACITY OF 1500 LBS PER SQUARE FOOT. CONTRACTOR TO VERIFY SOIL BEARING CAPACITY AT BEARING GRADE WITH QUALIFIED GEOTECHNICAL PROFESSIONAL.
 - ALL CONCRETE FOUNDATIONS SHALL BE INSTALLED PER CURRENT 2020 NYSBC.
 - CONCRETE FOR FOUNDATION WALLS/SLABS SHALL BE 4000 PSI AND CONCRETE FOR FOOTINGS SHALL BE 4000 PSI.
 - CONTRACTOR TO COORDINATE ALL ANCHOR BOLT AND PER LOCATIONS WITH ARCHITECTURAL PLANS AND APPROVED STEEL SHOP DRAWINGS.
 - ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOILS. REMOVE ALL EXISTING FILL MATERIAL DOWN TO NATIVE SOILS (APPROXIMATE DEPTH OF FILL IS ABOUT 8 FEET +/- VFI) AND RE-ESTABLISH BEARING ELEVATIONS WITH STRUCTURAL FILL MATERIAL.
 - REFER TO GEOTECHNICAL ENGINEERING REPORT COMPLETED BY TERRACON CONSULTANTS-NY, INC. BUFFALO, NY DATED MAY 12, 2021.

GOVERNING BUILDING CODES
2020 BUILDING CODE OF NEW YORK STATE

BUILDING RISK CATEGORY
II

DESIGN SOIL BEARING CAPACITY
1500 PSF

FLOOR LIVE LOADS
DUGOUT & LOCKER ROOMS
100 PSF

FLOOR DEAD LOAD
DL
60 PSF

ROOF LIVE LOAD
ROOF CONSTRUCTION LOAD
20 PSF

ROOF DEAD LOAD
DL
20 PSF

COLLATERAL LOADS
MECHANICAL, ELECTRICAL, PLUMBING ALLOWANCE
5 PSF
VINYL CEILINGS
1 PSF

SNOW LOAD
GROUND SNOW LOAD, P_g
50 PSF
SNOW LOAD IMPORTANCE FACTOR, I_s
1.00
SNOW EXPOSURE FACTOR, C_e
0.90
THERMAL FACTOR, C_t
1.20
FLAT ROOF SNOW LOAD, P_f
37.8 PSF
SLOPED ROOF SNOW LOAD, P_s
37.8 PSF
UNBALANCED SNOW LOAD
50.0 PSF

RAIN LOAD
RAIN INTENSITY, i
2.3 IN/HR

WIND LOAD
BASIC DESIGN WIND SPEED, V
109 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD}
90 MPH
WIND EXPOSURE
C
INTERNAL PRESSURE COEFFICIENT, GCF_i
+/- 0.55
COMPONENTS AND CLADDING^{1,2,3}
DESIGN WIND PRESSURE - PSF (BASED ON AN EFFECTIVE AREA OF 10 SQ. FT.)
WALLS - INTERIOR ZONE / END ZONE
34.1, -36.3 / 34.1, -42.9
ROOF ZONES
1 / 2 / 3
20.9, -40.7 / 20.9, -47.2 / 20.9, -75.9
18.2e / 2h, 2r, 8.3e / 3
27.5, -56.0 / 27.5, -78.0 / 27.5, -91.2

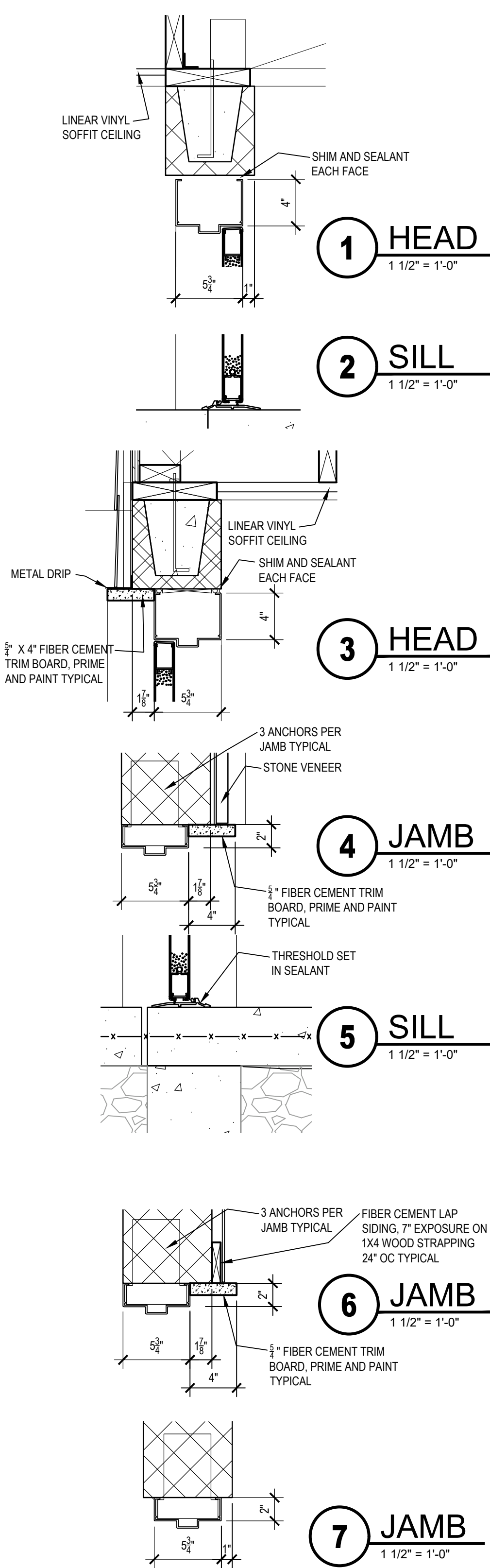
NOTES:
1. POSITIVE AND NEGATIVE NUMBERS INDICATE FORCES/PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES RESPECTIVELY.
2. WIDTH OF END AND CORNER ZONES SHALL EXTEND FROM DEFINED BUILDING CORNERS A DISTANCE IS EQUAL TO 2 TIMES THE LESSER OF 10% OF THE LEAST HORIZONTAL DIMENSION OR 0.4 X MEAN ROOF HEIGHT, BUT SHALL NOT BE LESS THAN THE LESSER OF 4% OF THE LEAST HORIZONTAL DIMENSION OR 3 FEET.
3. DELEGATED DESIGN ELEMENTS - FOR EFFECTIVE AREAS GREATER THAN 10 SQ. FT., THE DELEGATED DESIGN ENGINEER SHALL CONSULT ASCE 7-16 TO DETERMINE DESIGN WIND PRESSURES BASED ON THE WIND LOAD DESIGN CRITERIA PROVIDED. FOR EFFECTIVE AREAS 10 SQ. FT. OR LESS USE THE APPROPRIATE DESIGN WIND PRESSURE INDICATED.

SEISMIC LOAD
SEISMIC IMPORTANCE FACTOR, I_e
1.00
SITE SOIL CLASSIFICATION
E
MAPPED SHORT PERIOD SPECTRAL ACCELERATION, S_S
0.165 g
MAPPED ONE-SECOND PERIOD SPECTRAL ACCELERATION, S_1
0.071 g
SHORT PERIOD SPECTRAL DESIGN ACCELERATION, S_{DS}
0.264 g
ONE-SECOND PERIOD SPECTRAL DESIGN ACCELERATION, S_{D1}
0.199 g
SEISMIC DESIGN CATEGORY
C
BASIC SEISMIC-FORCE-RESISTING SYSTEM (ASCE 7-16 T12.2-1)
TYPE A.9
RESPONSE MODIFICATION COEFFICIENT, R
2.0
DEFLECTION AMPLIFICATION FACTOR, C_d
1.75
SEISMIC RESPONSE COEFFICIENT, C_s
0.132
DESIGN BASE SHEAR, V
13.3 KIPS
DUGOUT WITH LOCKER
3.8 KIPS
DUGOUT WITHOUT LOCKER
3.8 KIPS
ANALYSIS PROCEDURE
EQUIVALENT LATERAL FORCE

GENERAL STRUCTURAL NOTE

WOOD
W1 LAMINATED VENEER LUMBER MEMBERS SHALL BE MICROLAM LVL AS MANUFACTURED BY WEYERHAEUSER TRUSS JOIST (OR APPROVED EQUIVALENT) HAVING THE FOLLOWING MINIMUM PROPERTIES:
 $F_b = 2600$ PSI $F_v = 285$ PSI $E = 2,000,000$ PSI

W2 ALL BUILT-UP LVL BEAMS SHALL BE SECURELY FASTENED TOGETHER AND INSTALLED AS RECOMMENDED BY MANUFACTURER (UNLESS NOTED OTHERWISE).



TRAUTMAN ASSOCIATES
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TrautmanAssociates.com

Consultants:
appel osborne landscape architecture
100 West Division Street, Suite 400, Syracuse, NY 13204
(315) 432-0001 / (315) 432-1011 / www.appel-osborne.com

Signature & Seal:

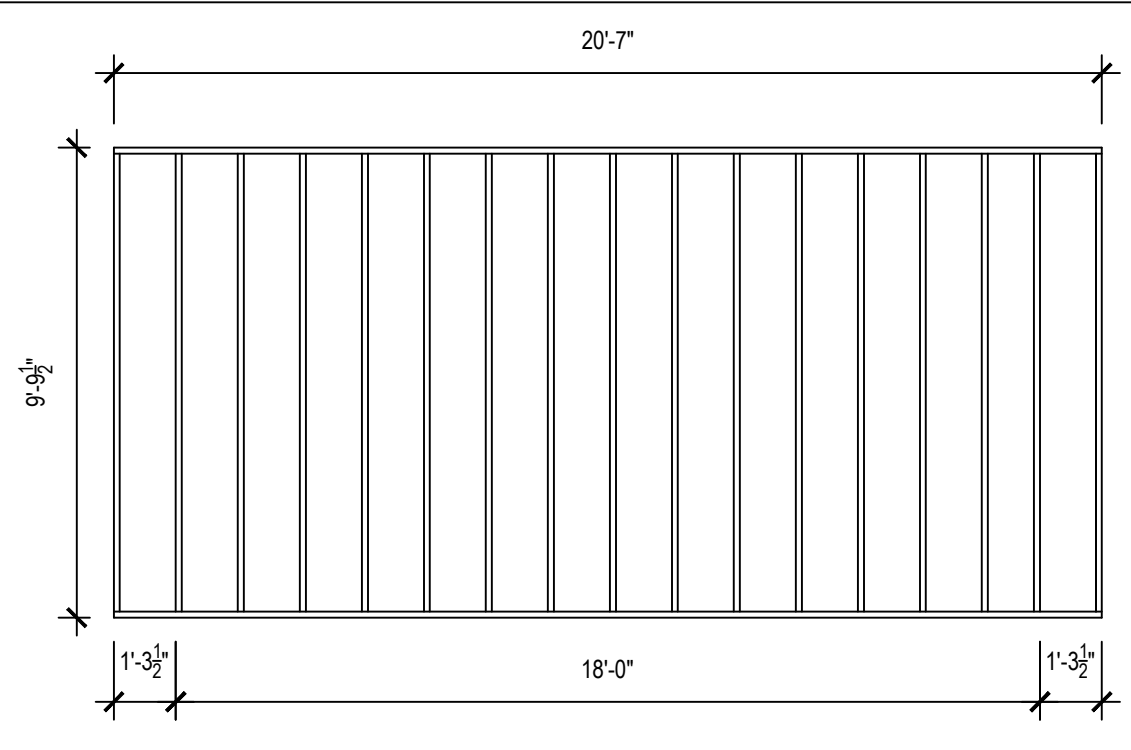
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Client: CANISIUS HIGH SCHOOL
Project: ATHLETIC FIELDS - PHASE 3
Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
2885 CLINTON STREET
WEST SENECA, NEW YORK 14224

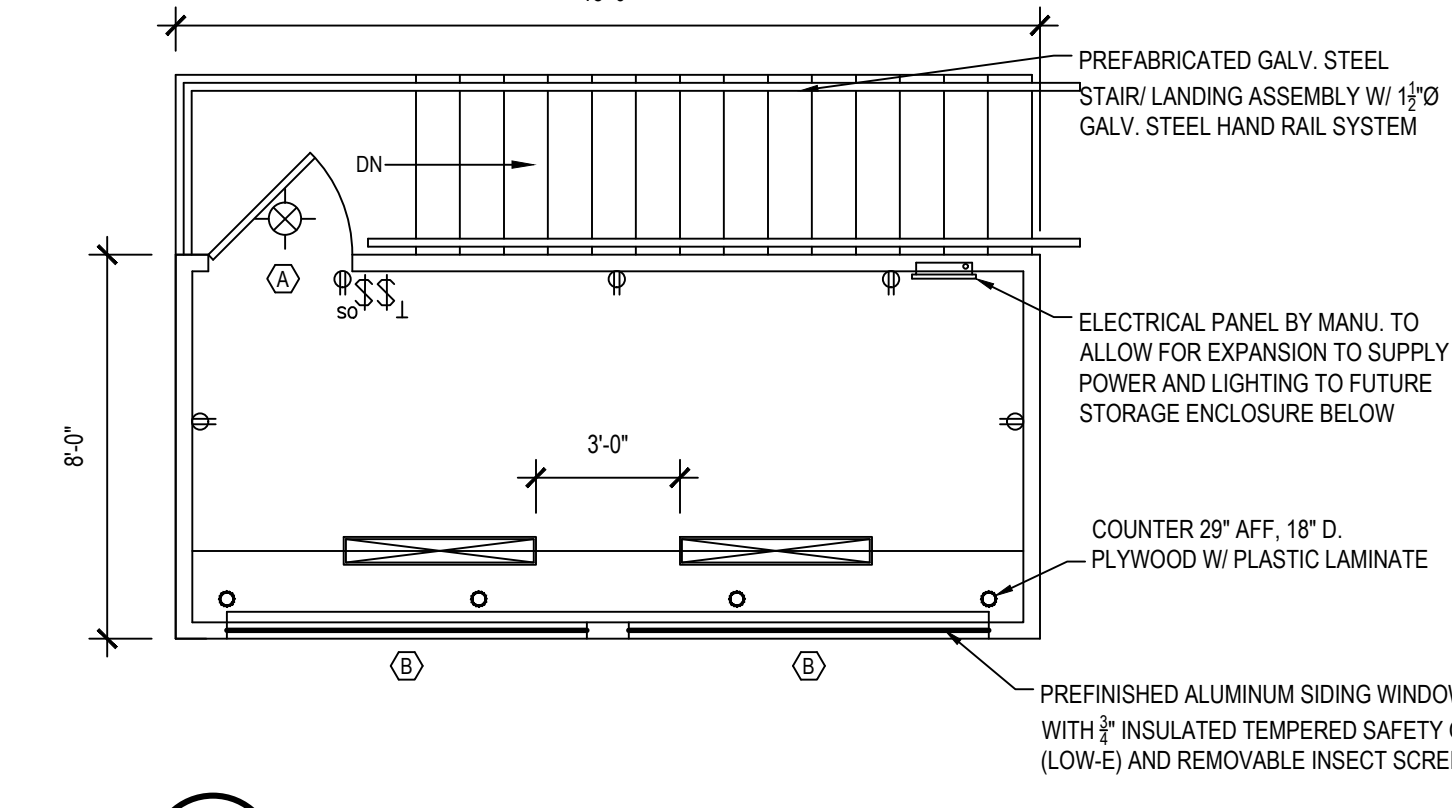
Drawing History:	#	Date	Description

Project Status: **FOR CONSTRUCTION**
Date: 06-23-21
Project Number: 202020
Sheet Title: SCHEDULES AND DETAILS

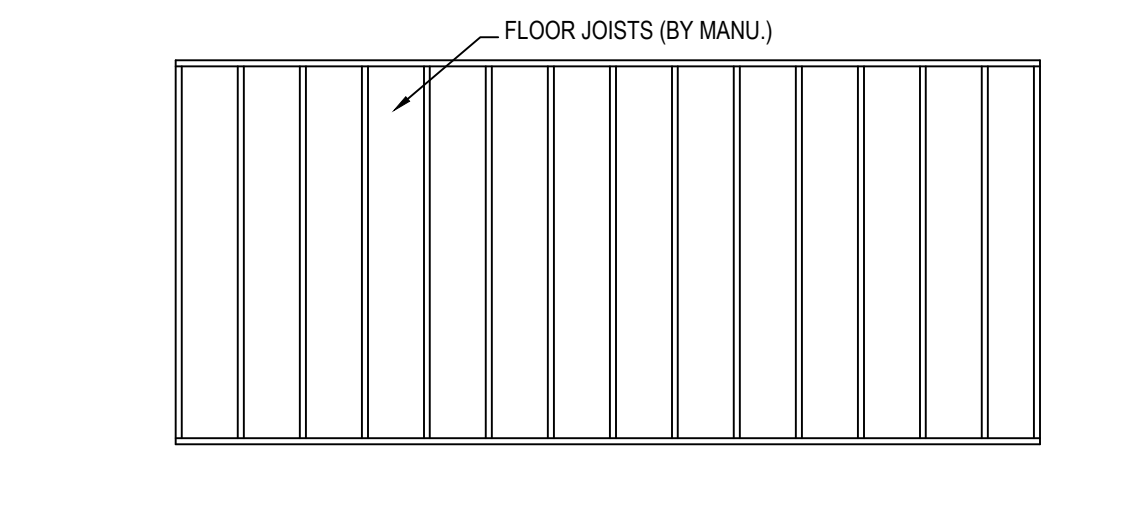
Sheet Number: **A103**



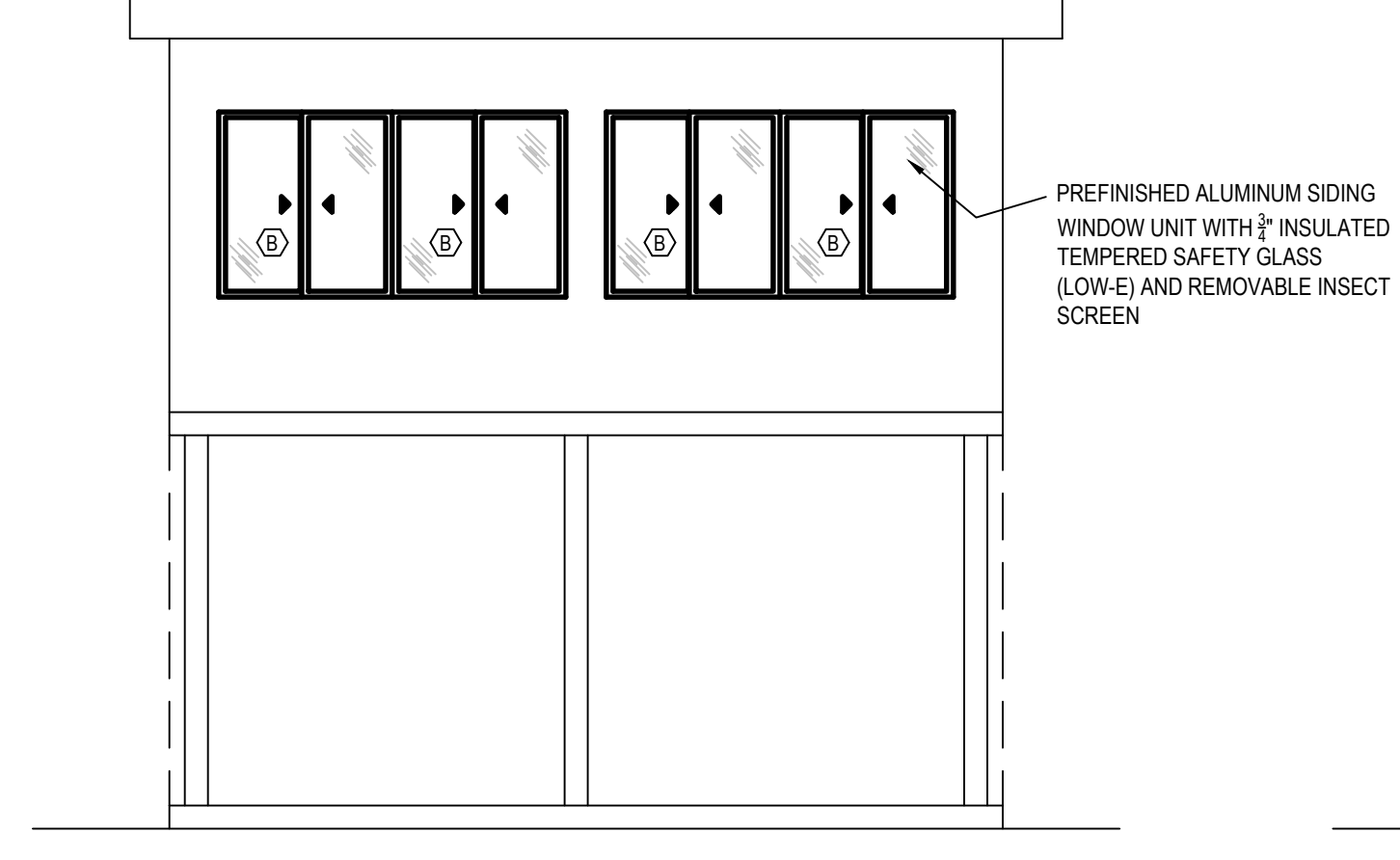
1 ROOF FRAMING PLAN
1/4" = 1'-0"



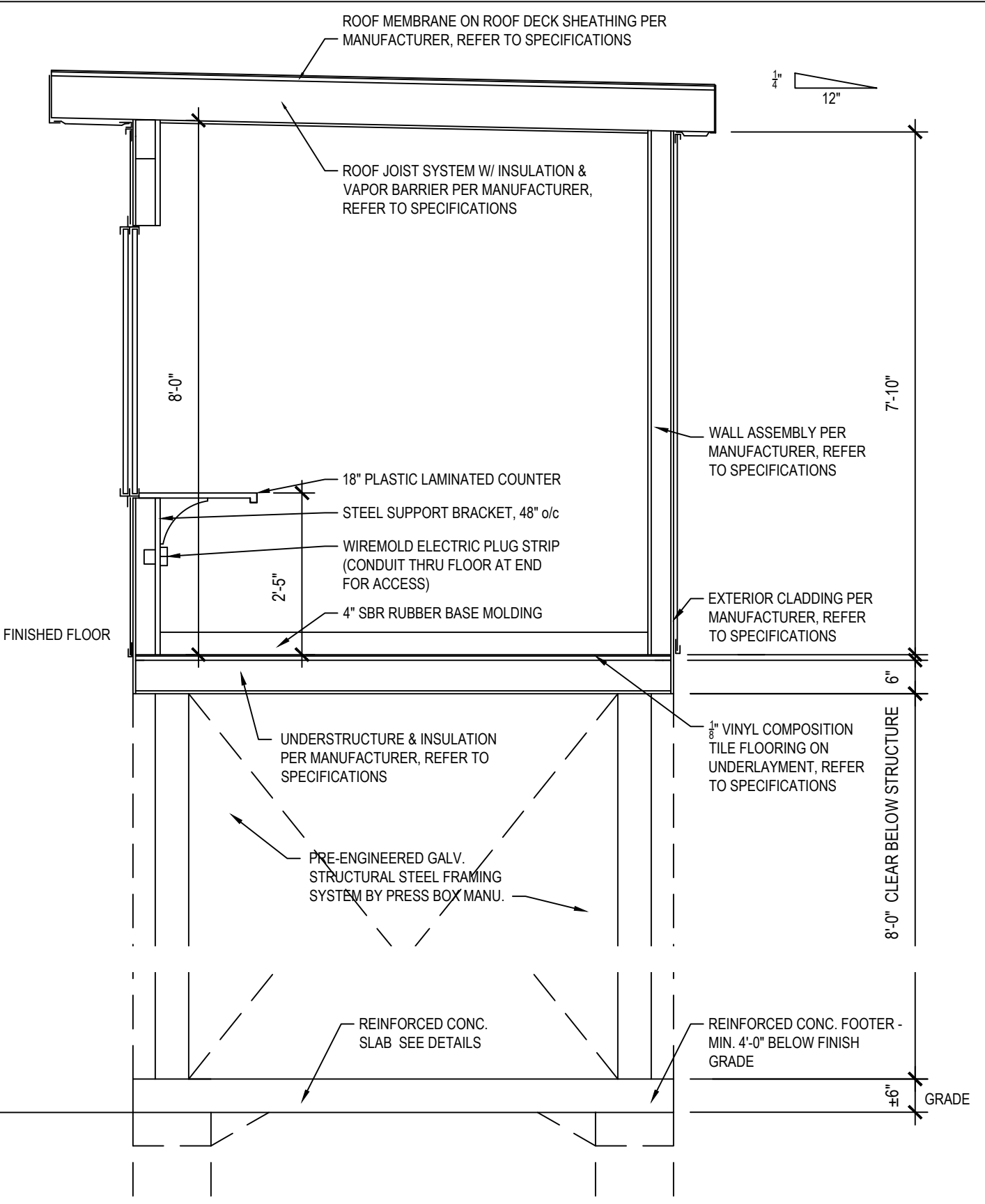
2 FLOOR & ELECTRICAL PLAN
1/4" = 1'-0"



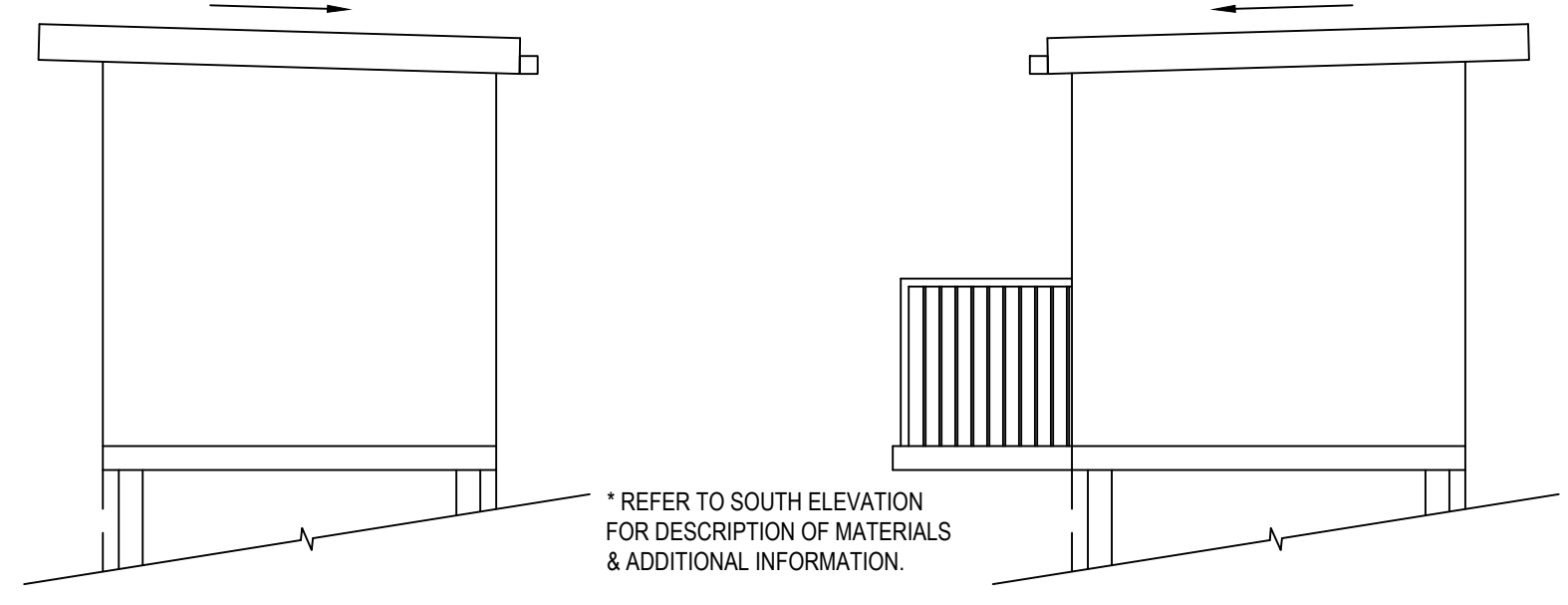
4 FLOOR FRAMING PLAN
1/4" = 1'-0"



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

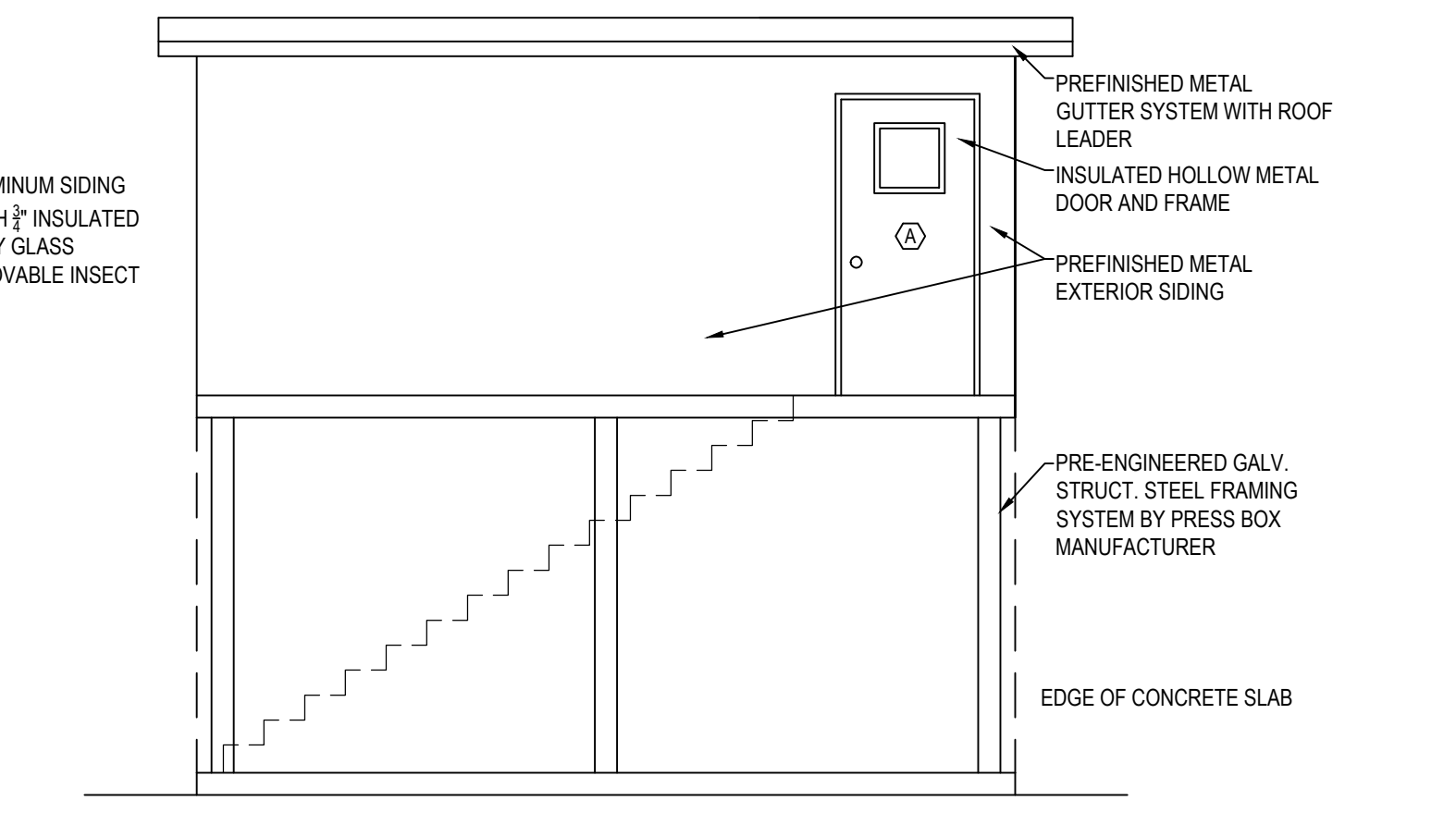


3 CROSS SECTION
1/2" = 1'-0"

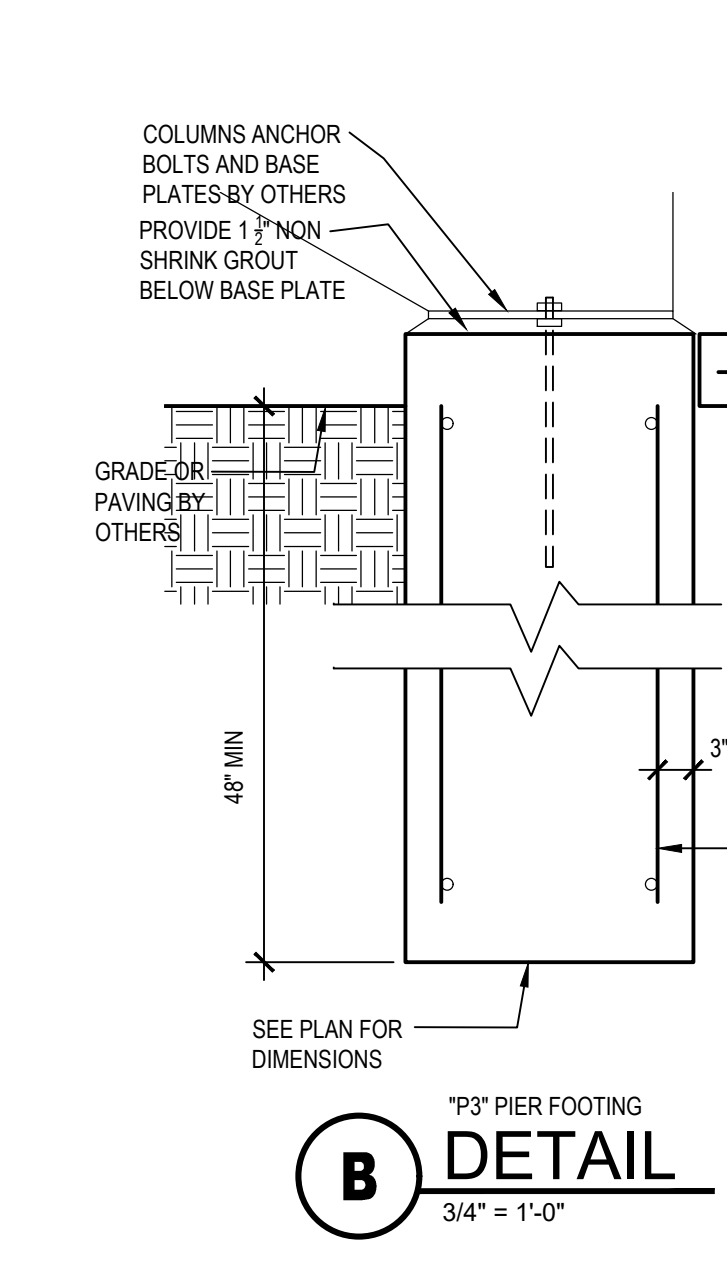


5 WEST ELEVATION
1/4" = 1'-0"

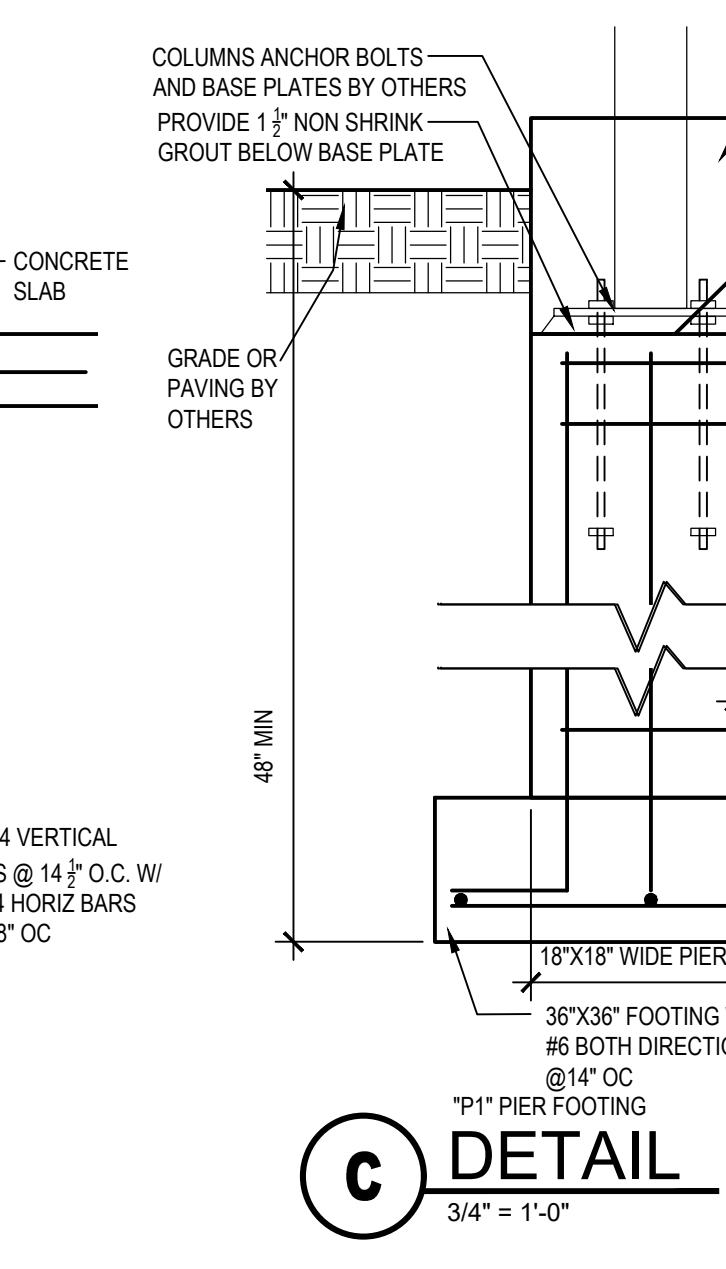
6 EAST ELEVATION
1/4" = 1'-0"



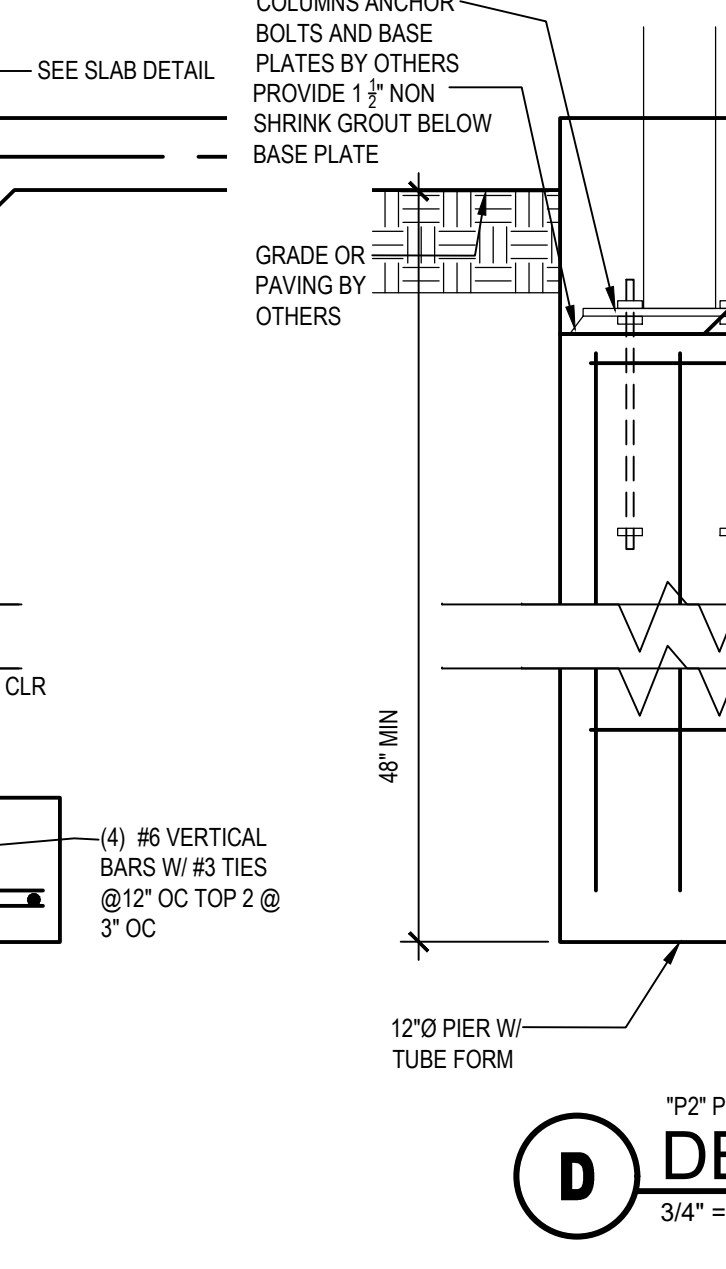
8 SOUTH ELEVATION
1/4" = 1'-0"



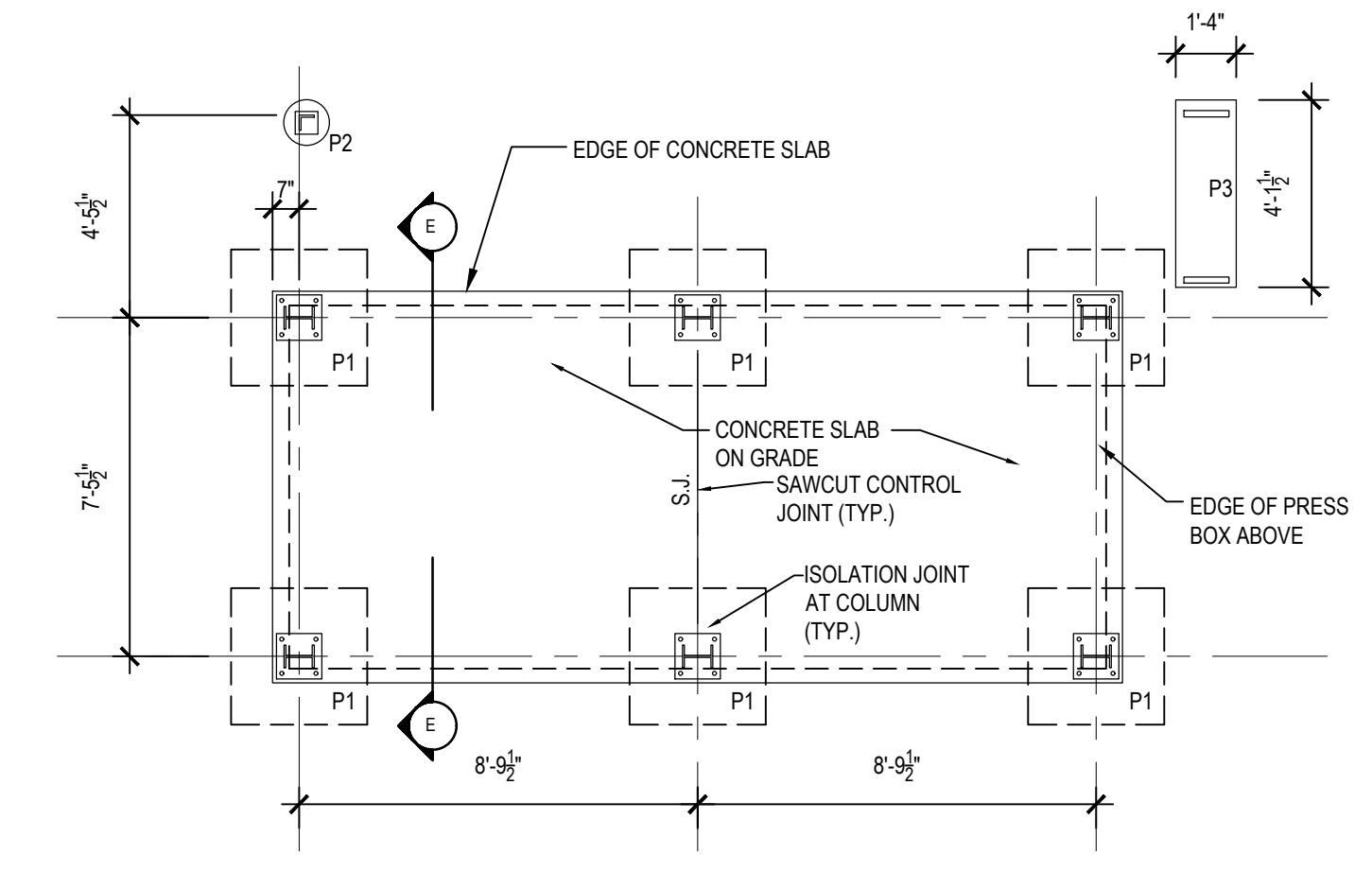
B DETAIL
3/4" = 1'-0"



C DETAIL
3/4" = 1'-0"

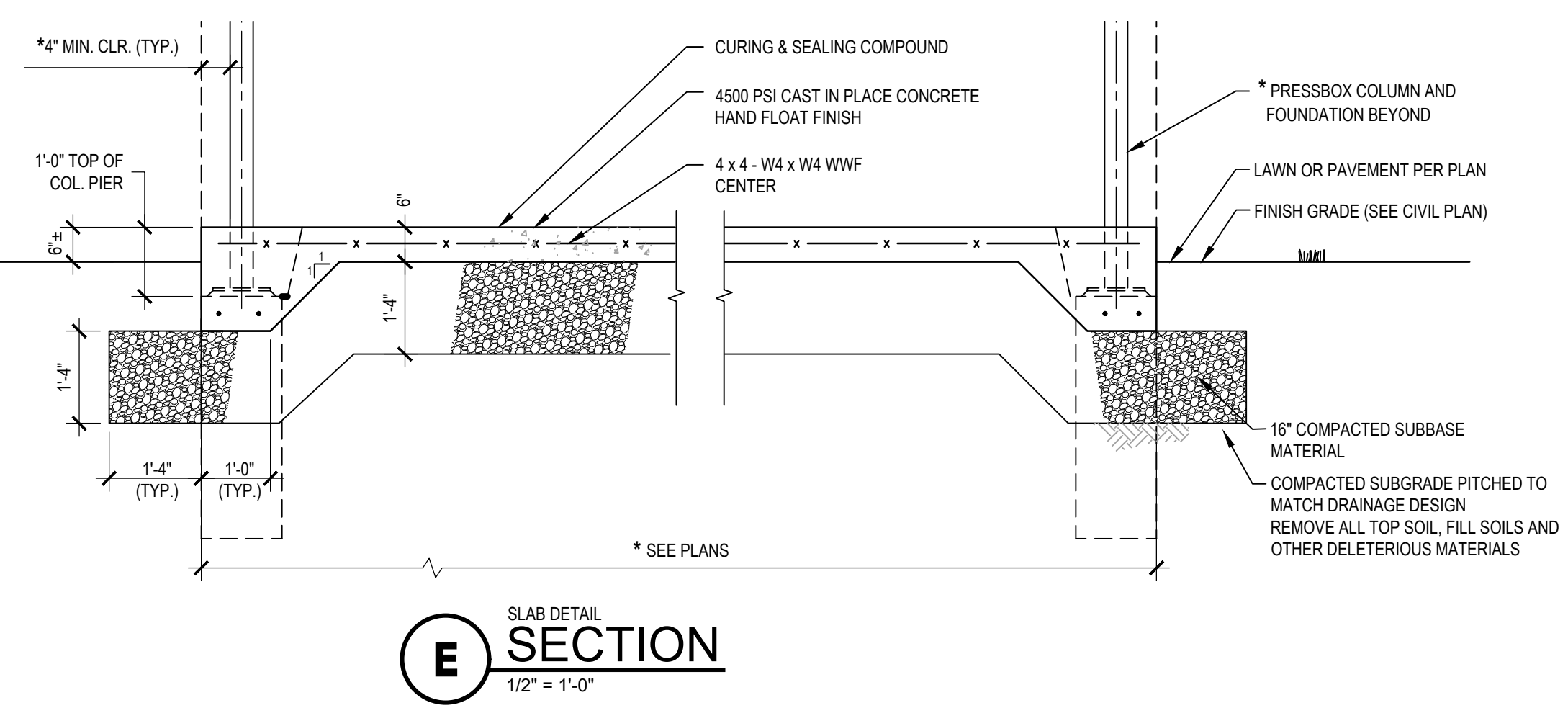


D DETAIL
3/4" = 1'-0"



A FOUNDATION PLAN PRESS BOX
1/4" = 1'-0"

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 - REFER TO GEOTECHNICAL ENGINEERING REPORT COMPLETED BY TERRACON CONSULTANTS-NY, INC. BUFFALO, NY DATED MAY 12, 2021.



E SLAB DETAIL SECTION
1/2" = 1'-0"

ELECTRICAL NOTES:

- ALL ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC 2014 AND NYS CODES.
- ALL COMPONENTS SHALL BE UL LISTED.
- E.C. TO PROVIDE TEL/DATA SERVICES PULL BOX 12x12x4 WITH 1/2" STUB-UP THROUGH FLOOR FOR INCOMING TEL/DATA CABLES.
- E.C. TO PROVIDE 6x6x2 PULL BOX AND 1" STUB-UP THROUGH FLOOR FOR OTHER SERVICES (SOUND,CLOCK, ETC) BY OWNER.

ELECTRICAL LEGEND:

- ALL DESCRIBED BELOW PROVIDED BY BUILDING MANUFACTURER.
- LITHONIA #M-232-PC1S-120-GEB (2) (32 WATT) 4" TUBE FLUORESCENT LIGHT WITH PARABOLIC DIFFUSERS AND BALLAST DISCONNECT
 - LITHONIA #ECR-LED-SWR120 EMERGENCY COMBINATION EXIT/FLOOD LIGHT W/ MINIMUM 90 MIN. BATTERY BACK-UP (WALL MOUNT)
 - COOPER HALO #H1CT1 W/ 300P TRIM SOFFIT CAN LIGHT FIXTURE
 - LITRON #MSOP5SMLA (1) POLE OCCUPANCY SENSOR SWITCH - WALL MOUNTED
 - INTERMATIC #E1800 PROGRAMMABLE ASTRONOMICAL TIMER SWITCH
 - PASS & SEYMOUR #S232-LA SPEC. GRADE, GROUNDING TYPE, RECEPT - GFI WERE NOTED, 18" AFF UNLESS NOTED OTHERWISE
 - ELECTRICAL DISTRIBUTION LOAD CENTER W/ MAIN DISCONNECT-120/240V, SINGLE PHASE, 100 AMP CAPACITY, SQ. D #0012M100-UP 48" TO CENTER W/ (1) 1/2" CONDUIT THRU FLOOR
 - WIREMOLD #5400 SERIES ELECTRIC PLUG STRIPS W/ RECEPTS AND COMMUNICATION JACK COVERS 48" O.C. AND 3/4" CONDUIT THRU FLOOR AT END-UP 1"
 - 2" GROMMETED HOLE THRU COUNTER

DOOR/ WINDOW LEGEND:

- (A) 36"x80" MASONITE "OKCRAFT" WOOD-GRAIN TEXTURED, INSULATED FIBERGLASS ENTRY DOOR W/ SOLID VINYL JAMBS, WEATHERSTRIPPING, HEAVY DUTY RETENTION CHAIN, ALUMINUM THRESHOLD, 16" WINDOW AND COMMERCIAL LEVER HANDED KEYS LOCKSET (WINDOW TO BE SAFETY GLASS) (ADA THRESHOLD PROVIDE HARDWARE SET 3)
- (B) (4) 45"x48" LINDSAY #3300 "EARTHWISE SERIES" VINYL DOUBLE HORIZONTAL SLIDER WINDOW W/ 3/4" INSULATED, LOW-E ARGON FILLED TEMPERED SAFETY GLASS AND SCREENS

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Consultants:
appel osborne landscape architecture
302 West Division Street, Suite 400, Syracuse, NY 13204
Tel: 315-437-0001 | Fax: 315-437-1071 | www.appel-osborne.com

Signature & Seal:

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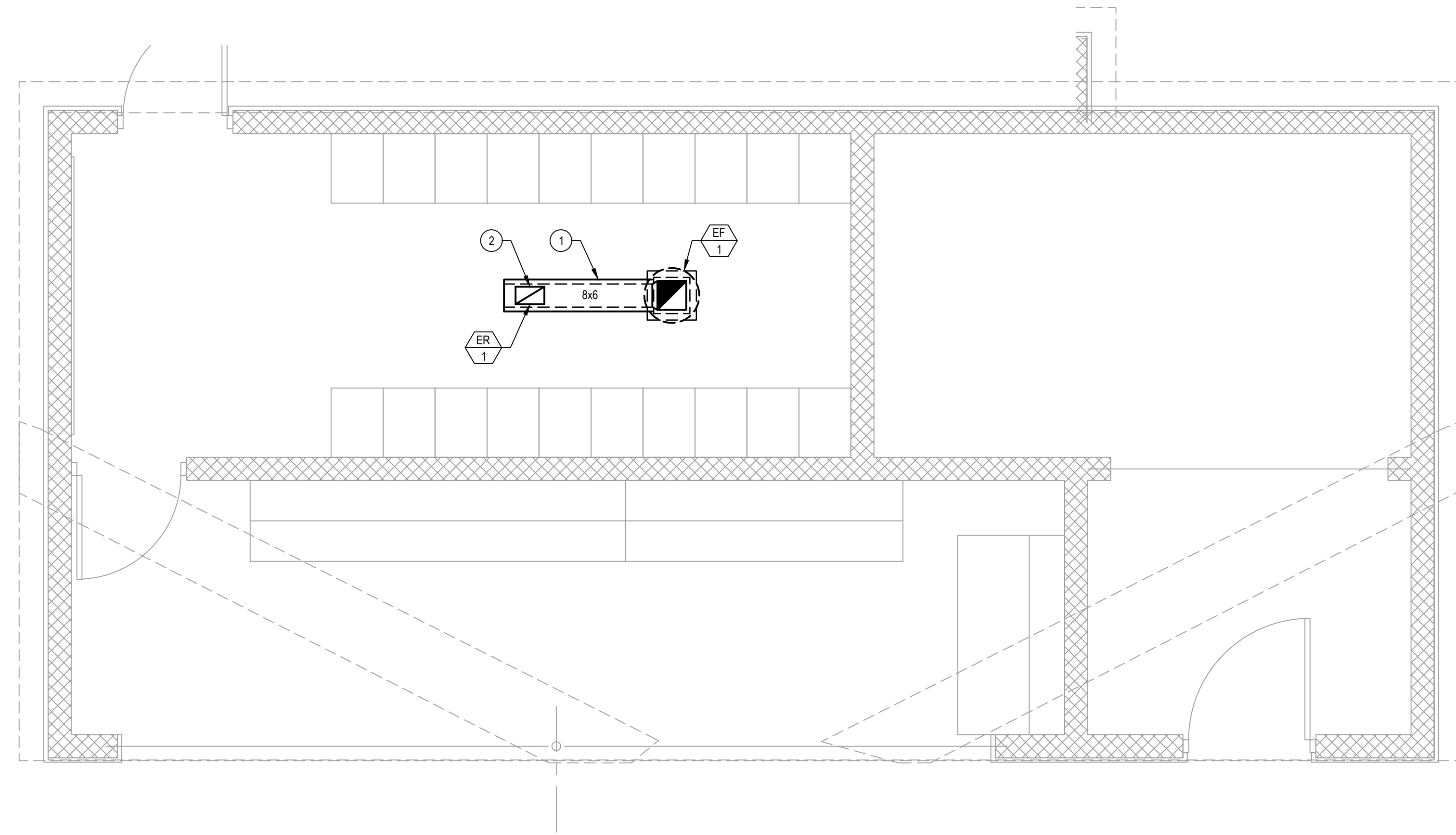
Project Status: **FOR CONSTRUCTION**
Date: 06-23-21
Project Number: 202020
Sheet Title: ELEVATED PRESS BOX
Sheet Number: **A104**

GENERAL NOTES:

- THE LEGEND IS FOR THE CONTRACTOR'S REFERENCE ONLY. NOT ALL SYMBOLS AND/OR ABBREVIATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THE LEGEND DOES NOT IMPLY INCLUSION AND/OR EXCLUSION OF ANY PARTICULAR ITEMS FROM THE PROJECT. THE CONTRACTOR IS TO REQUEST CLARIFICATION FROM THE ARCHITECT/ENGINEER IF REQUIRED.
- THE DRAWINGS ARE DIAGNOSTIC IN NATURE AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING, DUCTWORK AND EQUIPMENT. EXACT LOCATIONS OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES IN COOPERATION AND COORDINATION WITH THE WORK OF ALL TRADES. THE PLANS ARE NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT. CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THIS CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION AND SHALL ALSO CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, HEATING, VENTILATING AND AIR-CONDITIONING, ELECTRICAL, PLUMBING, AND OTHER PROJECT DOCUMENTS AS MAY BE NECESSARY FOR PROPER OPERATION OR INSTALLATION. THIS CONTRACTOR SHALL MAKE SUCH FITTINGS IN PIPING, DUCTWORK, EQUIPMENT LOCATIONS, ETC AND PROVIDE OFFSETS, FITTINGS, AND ACCESSORIES TO MEET ACTUAL FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT.
- CONTRACTORS SHALL INSPECT THE SITE BEFORE SUBMITTING A BID PROPOSAL TO ENSURE KNOWLEDGE OF PROJECT REQUIREMENTS AND SITE CONDITIONS. IF NO CLARIFICATION IS REQUESTED, IT WILL BE CONSIDERED THAT THE CONTRACTORS ARE IN FULL UNDERSTANDING OF PROJECT REQUIREMENTS.
- PROVIDE LABOR, SUPERVISION, EQUIPMENT, MATERIALS, AND SERVICES REQUIRED FOR THE COMPLETE INSTALLATION OF THIS WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AUTHORITIES HAVING JURISDICTION, AND STANDARDS INCLUDING BUT NOT LIMITED TO, SMACNA, ASHRAE, IBC, NEC, AND NFPA.
- NOTHING CONTAINED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS SHALL BE CONSTRUED TO BE IN CONFLICT WITH ANY STATE OR LOCAL CODES, ORDINANCES OR REGULATIONS. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND THE SPECIFICATIONS.
- EQUIPMENT AND MATERIALS SHALL BE INSTALLED BY SKILLED TRADESMEN, FAMILIAR WITH THE COMPONENTS TO BE INSTALLED, AND IN ACCORDANCE WITH BEST PRACTICES OF THE INDUSTRY AND STANDARD PRACTICE. ALL CUTTING AND PATCHING OF EXISTING BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS CONTRACT. WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.
- PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE CONTRACTOR MAY SUBMIT EQUAL FOR APPROVAL AND THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS. THE SUBMITTING CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ADDITIONAL ENGINEERING COSTS AND COSTS TO OTHER CONTRACTORS DUE TO SUBSTITUTIONS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES, CAPACITIES, FEATURES, OR OVERALL VALUE TO THE PROJECT OF THE MANUFACTURERS LISTED.
- DIMENSIONS, CLEARANCES, AND LOCATIONS OF EQUIPMENT AND MATERIALS SHALL BE FIELD VERIFIED PRIOR TO ORDERING, PROCURING AND FURNISHING SAME.
- CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO THE BUILDING, PIPING OR EQUIPMENT THAT IS THE RESULT OF WORK FOR INSTALLATION OF THIS CONTRACT.
- THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PATCH AND REPAIR OF ALL SURFACES TO MATCH EXISTING MATERIALS AND ADJACENT FINISHES ASSOCIATED WITH INSTALLATION/REMOVAL OF THIS WORK UNLESS SPECIFICALLY NOTED OTHERWISE.
- WORK SHALL BE COMPLETED TO MAINTAIN ALL NECESSARY AND REQUIRED CLEARANCES, ACCESSES, AND OPENINGS, SUCH THAT FULL FUNCTIONALITY, PROPER OPERATION, AND REPAIR AND MAINTENANCE ARE ENSURED FOR ALL EQUIPMENT. INSTALL ALL PIPING, DUCTWORK, EQUIPMENT, ETC., TO AVOID INTERFERENCE WITH THE OPERATION, AND SERVICING OF ALL NEW AND EXISTING EQUIPMENT. IN GENERAL DO NOT INSTALL ANYTHING ABOVE OR WITHIN 3 FT. IN FRONT OF ELECTRICAL PANELS, AND GEAR.
- WHERE DEVICE MOUNTING OCCURS IN BRICK, TILE, OR BLOCK WALLS, THEY SHALL BE MOUNTED AT A VERTICAL MASONRY JOINT & IN EITHER THE TOP OR BOTTOM HORIZONTAL JOINT, CLOSEST TO THE MOUNTING HEIGHT.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABELED AND LISTED BY A CERTIFIED TESTING LABORATORY OR AGENCY.
- THE CONTRACTORS IS RESPONSIBLE FOR COORDINATION OF WORK WITH OTHER CONTRACTORS BEFORE PERFORMING ANY WORK.
- EXCEPT AS SPECIFICALLY NOTED, ALL MATERIALS AND EQUIPMENT FOR THIS SCOPE OF WORK SHALL BE NEW AND IN CONFORMANCE WITH THE SPECIFICATIONS.
- PROVIDE ALL MATERIAL, LABOR AND EQUIPMENT TO PERFORM COMPLETE SCOPE OF WORK RESULTING IN OPERABLE MECHANICAL, PLUMBING AND FIRE PROTECTION SYSTEMS AS INDICATED IN THE DOCUMENTS, THE SPECIFICATIONS AND APPLICABLE LOCAL CODES.
- CONTRACTOR IS RESPONSIBLE FOR PERFORMING PRELIMINARY AND FINAL TESTING OF ALL SCOPE ITEMS TO INCLUDE, BUT NOT BE LIMITED TO, HYDRAULIC TESTING, LEAK TESTING, FUNCTIONAL TESTING AND SYSTEM COMMISSIONING PER INTERNATIONAL ENERGY CONSERVATION CODE. OWNER TO BE NOTIFIED IN ADVANCE OF FUNCTIONAL TESTING AND SYSTEM COMMISSIONING.
- CONTRACTOR MUST FURNISH EQUIPMENT AND MATERIAL SUBMITTALS FOR APPROVAL PRIOR TO ANY INSTALLATION.
- MAKE FINAL PIPE CONNECTIONS TO ANY EQUIPMENT IN SCOPE WITH ISOLATION VALVES AND UNIONS OR FLANGES TO ENABLE SERVICING OR REPLACEMENT.
- WHEREVER POSSIBLE, PIPING AND DUCTWORK SHALL BE INSTALLED EITHER PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURAL AND ARCHITECTURAL ELEMENTS.
- DUCTWORK AND/OR PIPES PENETRATING FIRE WALLS AND FLOORS SHALL BE FIRESTOPPED AS REQUIRED FOR THE RATING OF THE WALL. REFER TO CONTRACT DOCUMENTS FOR FIRE WALL AND FLOOR LOCATIONS.
- THE CONTRACTOR SHALL PROVIDE AS BUILT DOCUMENTATION FOR ALL WORK PERFORMED DURING THIS PROJECT AS OUTLINED IN SPECIFICATION SECTION 230000 "BASIC MECHANICAL REQUIREMENTS."
- THE OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL EQUIPMENT SCHEDULED FOR DEMOLITION. THE CONTRACTOR SHALL DELIVER SUCH EQUIPMENT ACCEPTED BY THE OWNER TO A LOCATION IN A STORAGE SPACE IN THE SUBJECT BUILDING, OR AN AREA DESIGNATED BY THE OWNER. EQUIPMENT REJECTED BY THE OWNER SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LEGAL CONSTRAINTS.
- MECHANICAL DEMOLITION MATERIALS AND EQUIPMENT IN WALLS, CEILINGS, ETC., TO BE DEMOLISHED - MECHANICAL CONTRACTOR SHALL REMOVE MATERIALS, AND EQUIPMENT - NO CUTTING OR PATCHING MATERIAL(S), AND EQUIPMENT IN WALLS, CEILING, ETC., IS TO REMAIN. MECHANICAL CONTRACTOR SHALL REMOVE MATERIALS, AND EQUIPMENT. MECHANICAL CONTRACTOR SHALL PERFORM ALL CUTTING, AND PATCHING.
- REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR DEMOLITION WORK BY RESPECTIVE CONTRACTORS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION ASSOCIATED WITH THEIR CONTRACT AND SCOPE OF WORK. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY THEIR DEMOLITION. THE EXTENT OF PATCH AND REPAIR SHALL BE AS REQUIRED TO RECEIVE THE SCHEDULED NEW WORK.

MECHANICAL DRAWING NOTES #

- PROVIDE ACOUSTICALLY LINED DUCT. TRANSITION TO 10x10 AND PROVIDE MITERED ELBOW UP WITH TURNING VANES AND DUCT UP THROUGH ROOF TO EF-1.
- 10x6 DUCT DOWN TO EF-1 MOUNTED ON CEILING. FIELD COORDINATE GRILLE LOCATION WITH LIGHTS AND OTHER CEILING COMPONENTS.



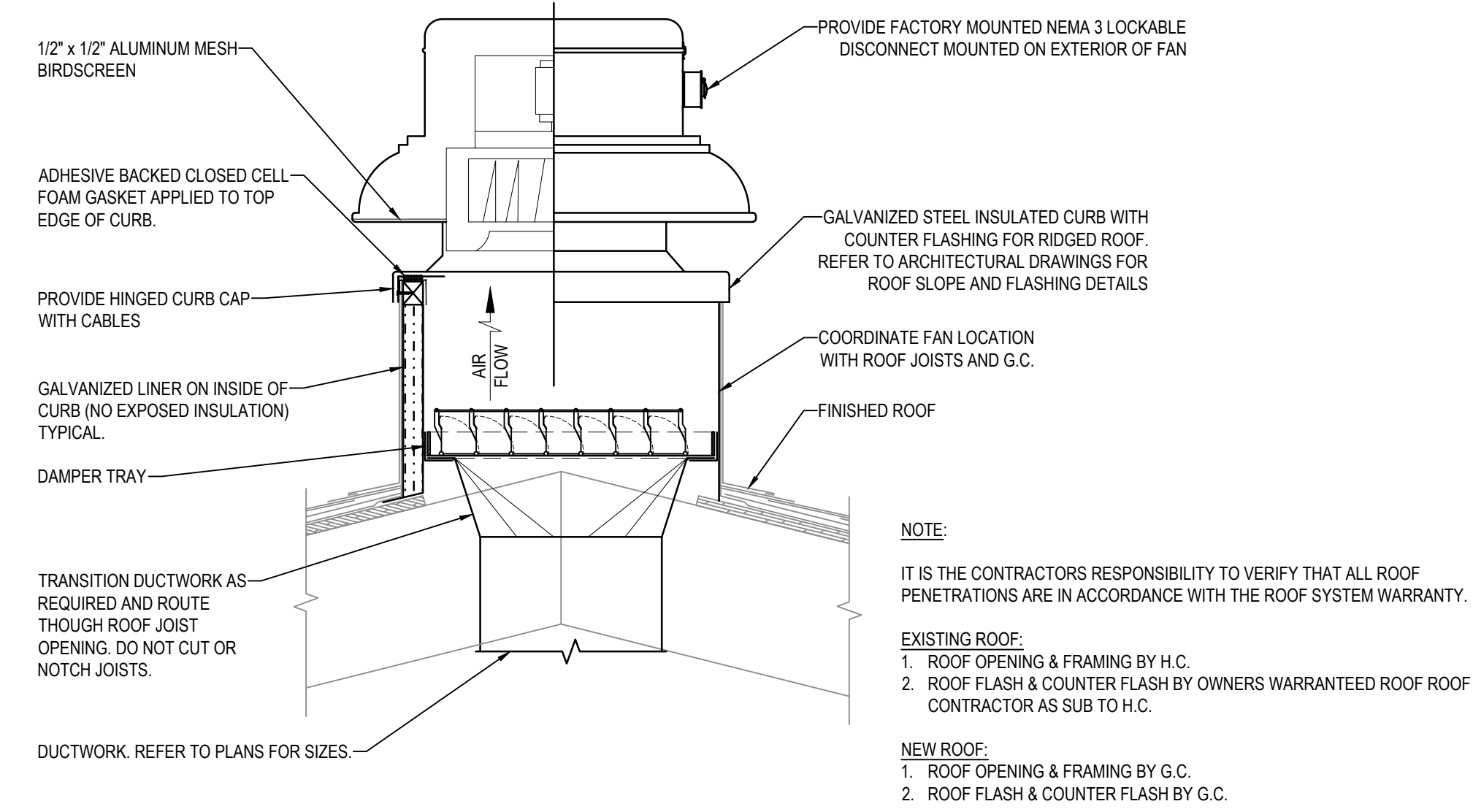
1 DUGOUT MECHANICAL PLAN
3/8" = 1'-0"

EXHAUST FAN SCHEDULE																			
PLAN CODE	SERVICE	LOCATION	TYPE	DRIVE	CFM	SP	SONES	BHP	HP	RPM	V / PH / HZ	HOUSING MATERIAL	WHEEL MATERIAL	CURB	DAMPER	ROOF OPENING	MAKE	MODEL	NOTES
EF-1	DUGOUT LOCKERS	ROOF	DOWNBLAST	DIRECT	250	0.25	6.2	0.04	1/10	1,627	120 V / 1 / 60	ALUMINUM	ALUMINUM	YES, GALVANIZED	GRAVITY	12-1/2" x 12-1/2"	GREENHECK	G-080-VG	1-9

NOTES:
 1. PROVIDE FACTORY MOUNTED NEMA 3 DISCONNECT SWITCH ON FAN HOUSING.
 2. PROVIDE ROOF CURB FOR RIDGED ROOF INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PITCH.
 3. PROVIDE HINGED CURB CAP WITH RESTRAINT CABLES.
 4. PROVIDE CURB WITH DAMPER TRAY.
 5. PROVIDE LOW LEAK GRAVITY DAMPER.
 6. PROVIDE ALUMINUM BIRD SCREEN.
 7. PROVIDE WITH EC MOTOR.
 8. PROVIDE WITH FACTORY MOUNTED 2-SPEED CONTROL.
 9. ELECTRICAL CONTRACTOR TO PROVIDE WIRING REQUIRED TO CONNECT TO POWER AND OCCUPANCY SENSOR. FAN TO RUN CONTINUOUSLY AT 105 CFM (ADJUSTABLE) WHILE SPACE IS UNOCCUPIED AND 250 CFM (ADJUSTABLE) WHEN OCCUPIED AND HAVE A RUN-OFF TIMER OF 30 MINUTES (ADJUSTABLE). SEASONAL OR MAINTENANCE SHUT DOWN TO BE ACCOMPLISHED THROUGH DISCONNECT SWITCH OR CIRCUIT BREAKER.

REGISTER / DIFFUSER SCHEDULE														
PLAN CODE	SERVICE	CORE TYPE	FACE	DAMPER	MOUNTING			CONSTRUCTION			MAKE	MODEL	SIZE	NOTES
					DUCT	SURFACE	LAY IN CLNG.	FRAME	CORE	FINISH				
ER-1	DUGOUT LOCKERS	MANDREL TUBE	30° DEFLECTION AND 1/2" BLADE SPACING	YES	-	X	-	ALUMINUM	ALUMINUM	WHITE POWDER COAT	PRICE	99	AS NOTED ON PLANS	1-3

NOTES:
 1. PROVIDE WITH COUNTERSUNK SCREW FASTENING.
 2. FRONT BLADES PARALLEL TO LONG DIMENSION.
 3. DAMPER SHALL BE OPERABLE FROM REGISTER FACE.



2 ROOF MOUNTED DOWNBLAST EXHAUST FAN
1/4" = 1'-0"

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Client: CANISIUS HIGH SCHOOL
 Project: ATHLETIC FIELDS - PHASE 3

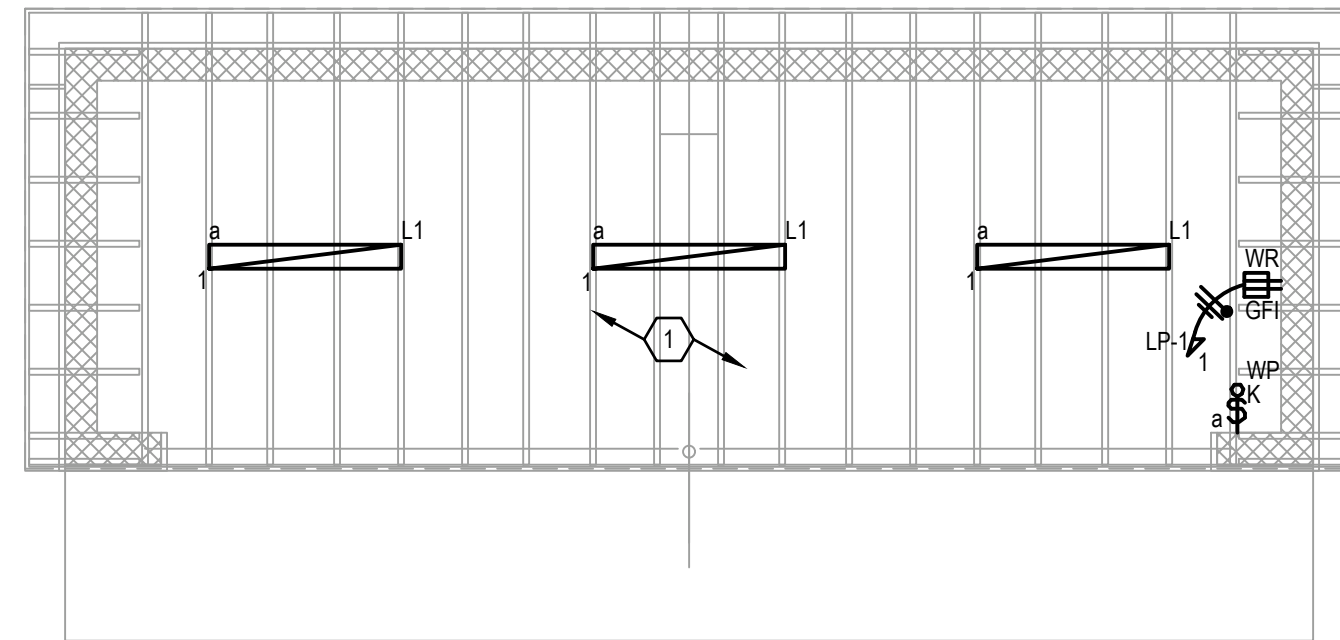
Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
 2885 CLINTON STREET
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Drawing History: # Date Description

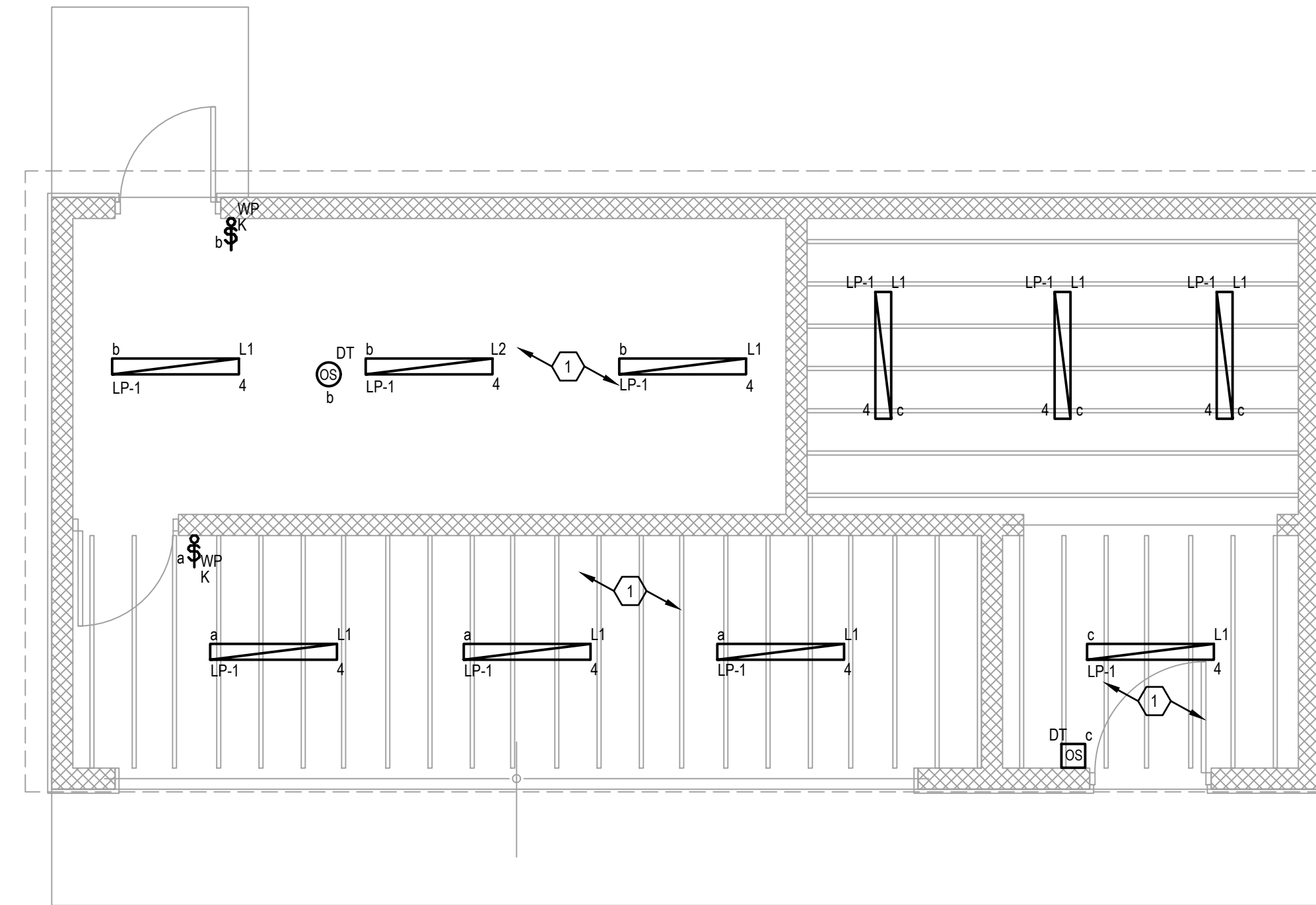
Project Status: **FOR CONSTRUCTION**

Date: 06-23-21
 Project Number: 2020
 Sheet Title: DUGOUT MECHANICAL PLAN

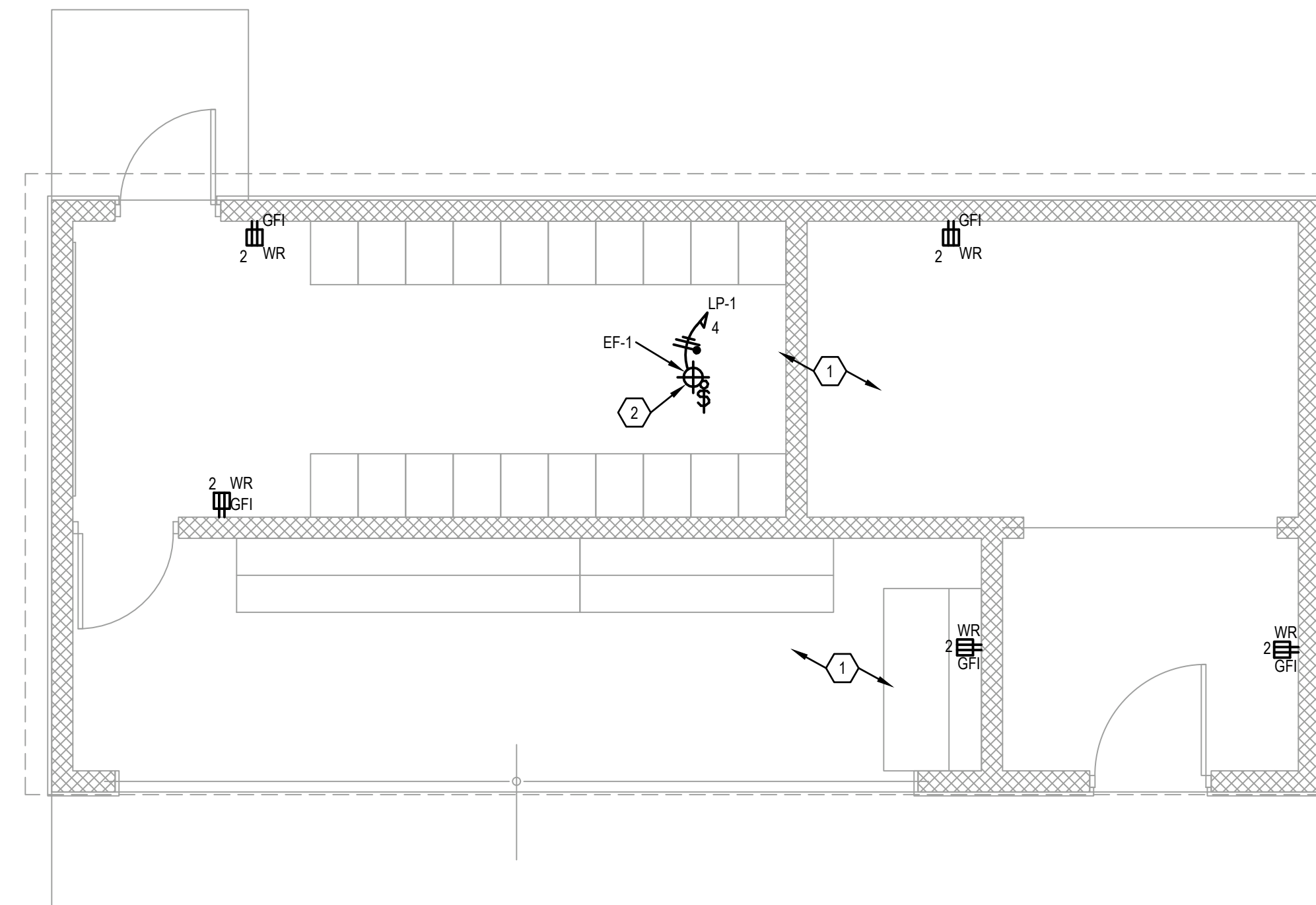
Sheet Number: **M101**



1 DUGOUT 1 ENLARGED POWER AND LIGHTING PLAN
1/4" = 1'-0"



3 DUGOUT 2 ENLARGED LIGHTING PLAN
1/4" = 1'-0"



4 DUGOUT 2 ENLARGED POWER PLAN
1/4" = 1'-0"

GENERAL POWER & SYSTEMS NOTES:

- A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH CIRCUITING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING: THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
- B. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC. REVIEW ALL TRADE DRAWINGS FOR COORDINATION PURPOSES.
- C. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND SHALL REVIEW ALL TRADE DRAWINGS FOR COORDINATION PURPOSES.
- D. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG THINWALL COPPER MINIMUM.
- E. BRANCH CIRCUIT WIRING SHALL BE CONCEALED TO THE GREATEST EXTENT PRACTICABLE. WHERE BRANCH CIRCUIT WIRING MUST BE EXPOSED, WIRING METHOD SHALL BE INDIVIDUAL CONDUCTORS IN RACEWAY. TYPE MC SHALL ONLY BE PERMITTED WHERE CONCEALED WITHIN BUILDING CONSTRUCTION.
- F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT DEVICES TO INDICATED CIRCUITS IN DESIGNATED PANELBOARDS. CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS-BUILT" RECORD DRAWINGS.

GENERAL LIGHTING NOTES:

- A. PROVIDE BRANCH CIRCUITING FOR ALL LIGHTS AND DEVICES SHOWN. BRANCH CIRCUITING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING: THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
- B. THE USE OF EXPOSED RACEWAYS OR SURFACE RACEWAYS IN FINISHED AREAS IS NOT ACCEPTABLE UNLESS ALL OTHER METHODS OF RACEWAY CONCEALMENT HAVE BEEN EXHAUSTED. ALL CONDUIT/WIRE/CABLING SHALL BE RUN WITHIN THE CEILING AND WALL SPACES.
- C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC. REVIEW ALL TRADE DRAWINGS FOR COORDINATION PURPOSES.
- D. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG THINWALL COPPER MINIMUM.
- E. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. CONTRACTOR SHALL BALANCE ALL LOADS IN THE PANEL AND SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS-BUILT" RECORD DRAWINGS.

ELECTRICAL DRAWING NOTES ① :

- 1. ALL POWER AND LIGHTING TO BE FED FROM LOAD CENTER LOCATED IN PRESS BOX.
- 2. PROVIDE 120V CONNECTION THROUGH OCCUPANCY SENSOR TO EXHAUST FAN FOR TWO SPEED CONTROL.



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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

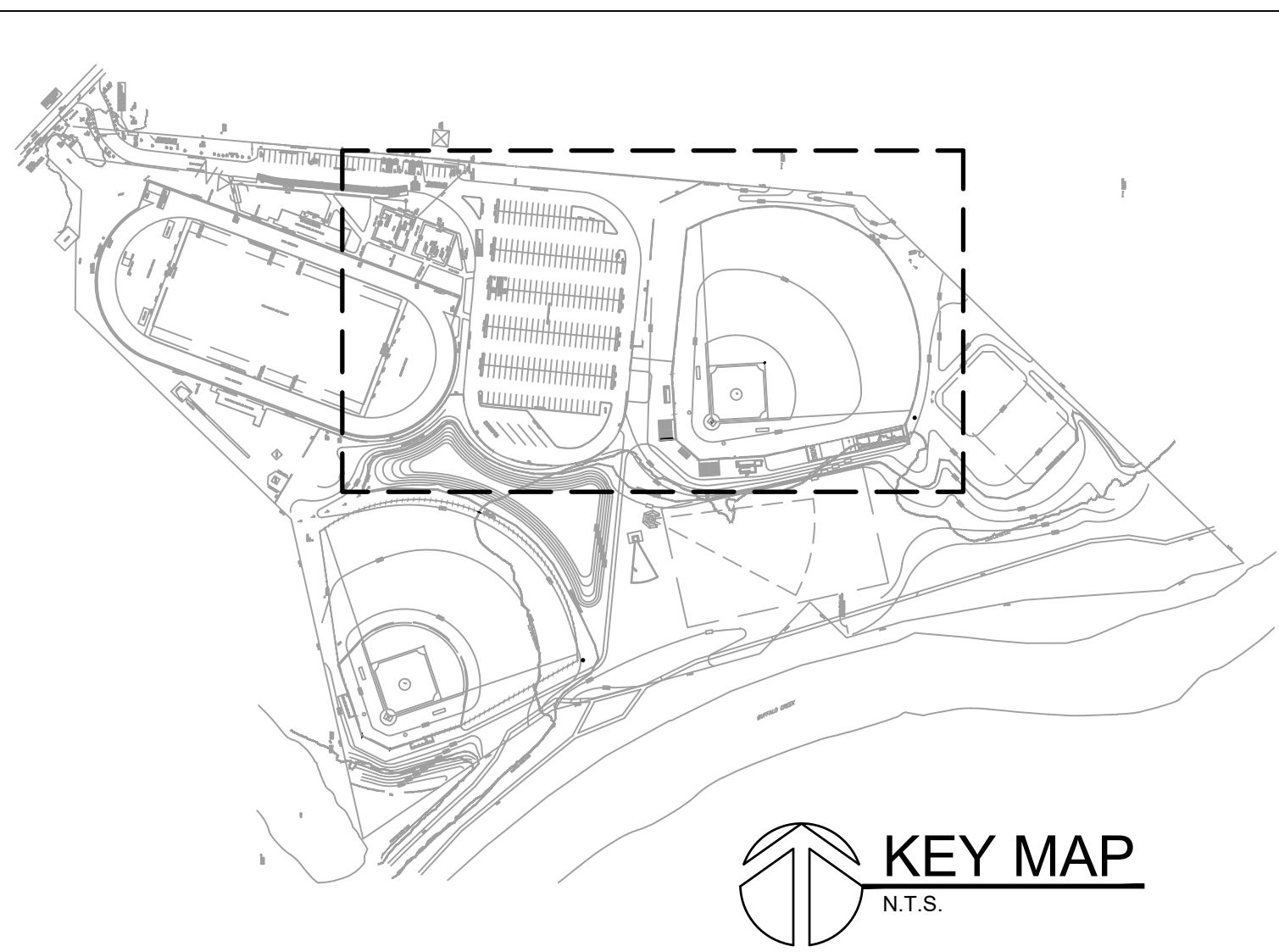
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2885 CLINTON STREET
WEST SENECA, NEW YORK 14224

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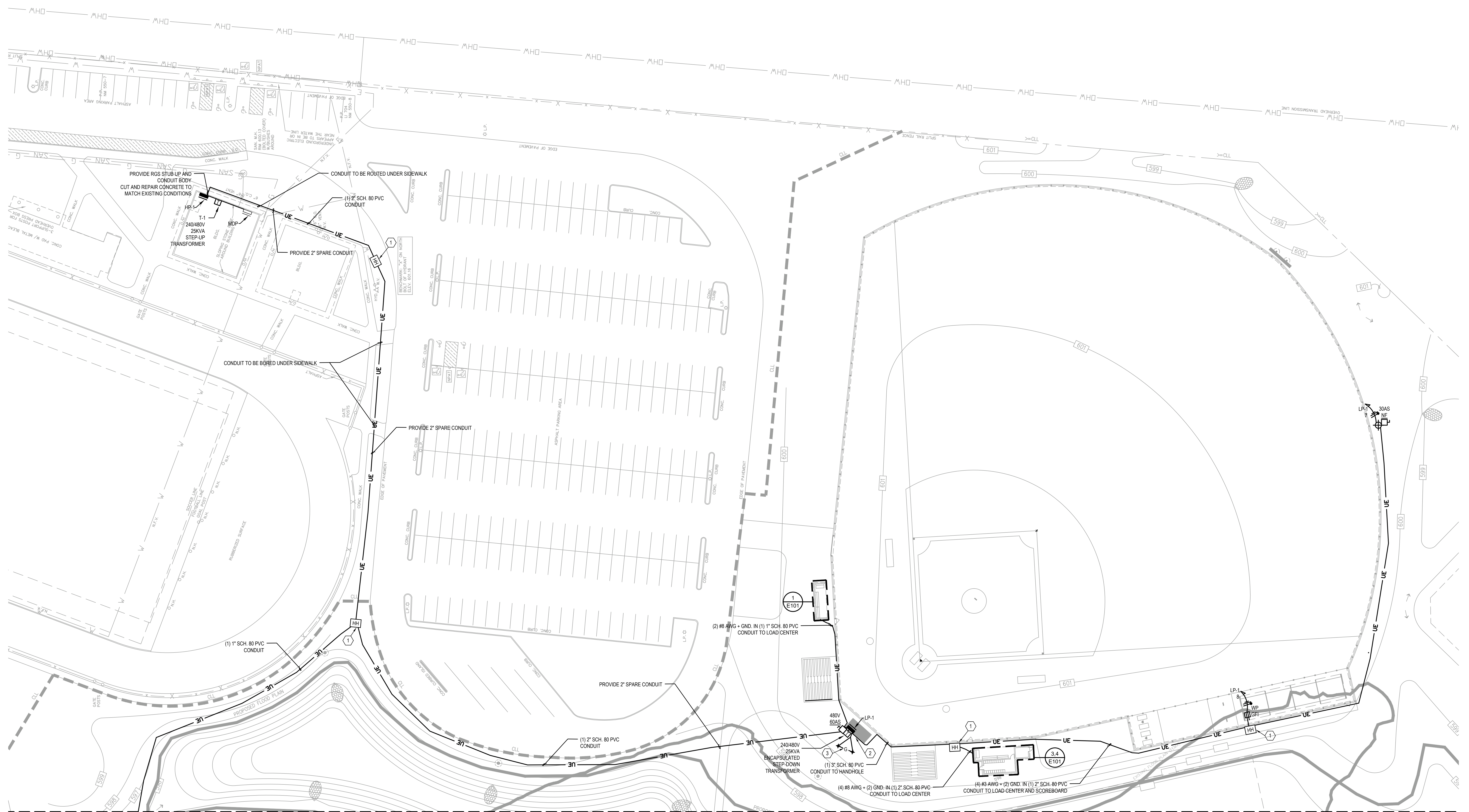
Date: 06-23-21
Project Number: 20200
Sheet Title: DUGOUT POWER AND LIGHTING PLAN

Sheet Number: E101



- GENERAL ELECTRICAL NOTES:**
- A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH CIRCUITING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING, THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
 - B. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS.
 - C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE N.E.C.
 - D. THE DEPTH OF EXISTING UTILITIES IS NOT KNOWN. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY UTILITY COMPANIES AND UNDERGROUND UTILITY LOCATING SERVICES. ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL USE ALL MEANS POSSIBLE, INCLUDING METAL DETECTORS, ELECTRONIC SENSORS, PRODDING AND HAND EXCAVATION TO AVOID DISTURBING EXISTING BURIED UTILITIES. EXCAVATION IN CLOSE PROXIMITY TO EXISTING UTILITIES SHALL BE PERFORMED WITH CAUTION, AND EMPLOY HAND DIGGING.
 - E. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND SHALL REVIEW ALL TRADE DRAWINGS FOR COORDINATION PURPOSES.
 - F. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG THIRTYTHREE COPPER MIN.
 - G. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT NEW DEVICES TO AVAILABLE CIRCUITS IN THE EXISTING PANELBOARDS. CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" RECORD DRAWINGS.
 - H. ALL SITE LIGHTING SHALL COMPLY WITH IECC 2018 DIMMING AND CONTROL REQUIREMENTS.
 - I. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS UPON COMPLETION OF THE PROJECT.

- ELECTRICAL DRAWING NOTES (A) :**
- 1. PROVIDE NEW POLYMER CONCRETE ELECTRICAL HANDHOLE (12" L x 12" W x 12" D MINIMUM).
 - 2. CONNECT POWER TO 120/240V, SINGLE PHASE, ELECTRICAL DISTRIBUTION LOAD CENTER IN PRESS BOX.
 - 3. PROVIDE (2) 5/8" X 96" COPPER GROUND RODS AT PRESS BOX. EXTEND (1) #6 AWG CU GROUND WIRE IN 3/4" PVC CONDUIT TO TRANSFORMER T-2 AND PANEL LP-1.



1 PARTIAL ELECTRICAL SITE PLAN
1" = 30'-0"

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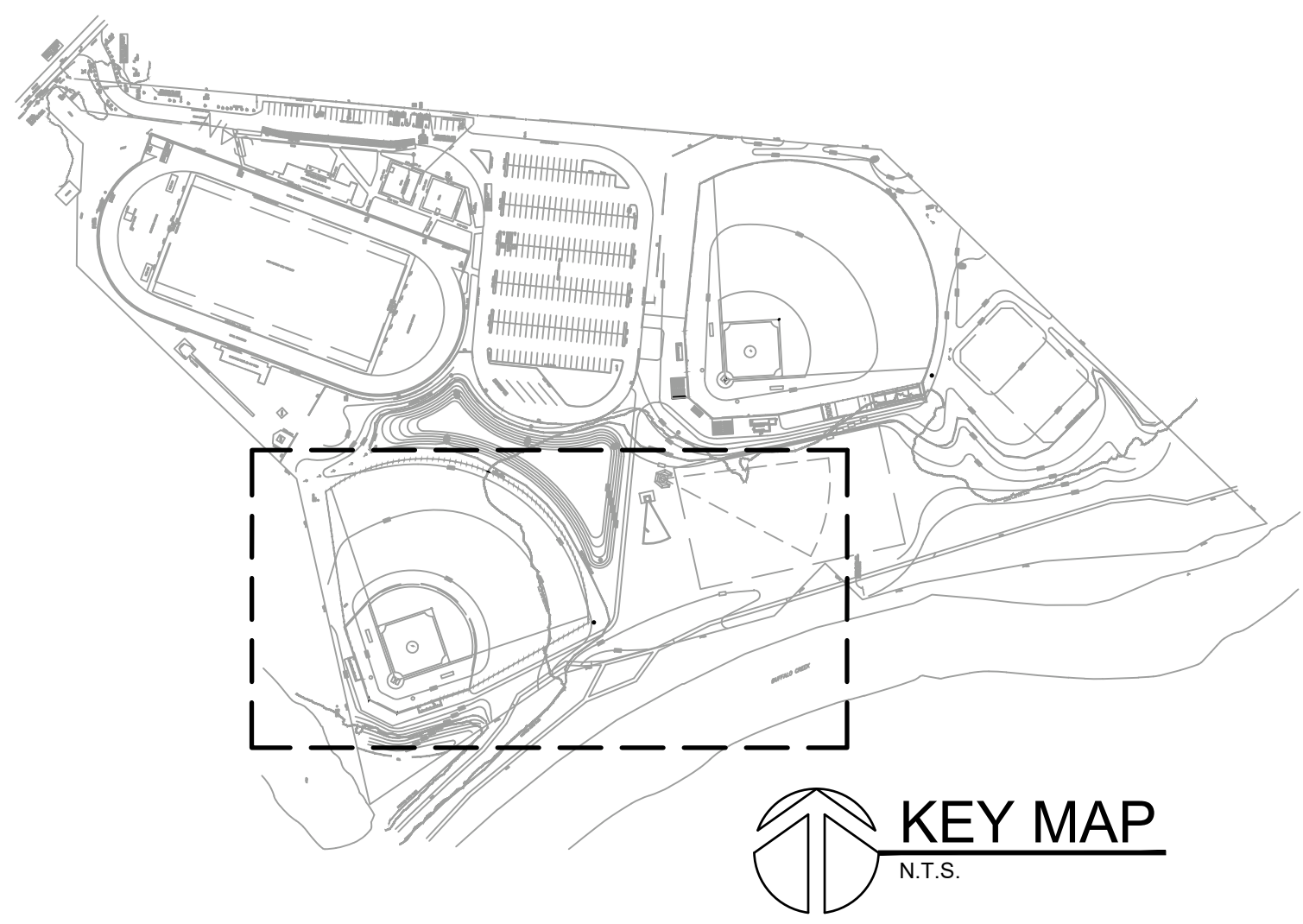
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Client: CANISIUS HIGH SCHOOL
Project: ATHLETIC FIELDS - PHASE 3
Project Address: ROBERT J. STRANSKY MEMORIAL COMPLEX
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Drawing History: # Date Description

Project Status: **FOR CONSTRUCTION**
Date: 06-23-21
Project Number: 20202
Sheet Title: **PARTIAL ELECTRICAL SITE PLAN**

Sheet Number: **E102**



- GENERAL ELECTRICAL NOTES:**
- A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH CIRCUITING IS, IN GENERAL, NOT SHOWN WITH THE FOLLOWING UNDERSTANDING, THE CONTRACTOR SHALL "CIRCUIT UP" ALL DEVICES SHOWN IN THE MOST EFFECTIVE ROUTING, BASED ON CONSTRUCTION CONDITIONS AND/OR RESTRICTIONS.
 - B. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS.
 - C. THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE N.E.C.
 - D. THE DEPTH OF EXISTING UTILITIES IS NOT KNOWN. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY UTILITY COMPANIES AND UNDERGROUND UTILITY LOCATING SERVICES. ACTUAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL USE ALL MEANS POSSIBLE, INCLUDING METAL DETECTORS, ELECTRONIC SENSORS, PRODDING AND HAND EXCAVATION TO AVOID DISTURBING EXISTING BURIED UTILITIES. EXCAVATION IN CLOSE PROXIMITY TO EXISTING UTILITIES SHALL BE PERFORMED WITH CAUTION, AND EMPLOY HAND DIGGING.
 - E. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND SHALL REVIEW ALL TRADE DRAWINGS FOR COORDINATION PURPOSES.
 - F. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG THIRTYTHWV COPPER MIN.
 - G. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT NEW DEVICES TO AVAILABLE CIRCUITS IN THE EXISTING PANELBOARDS. CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" RECORD DRAWINGS.
 - H. ALL SITE LIGHTING SHALL COMPLY WITH IECC 2018 DIMMING AND CONTROL REQUIREMENTS.
 - I. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS UPON COMPLETION OF THE PROJECT.

- ELECTRICAL DRAWING NOTES (4) :**
1. PROVIDE NEW POLYMER CONCRETE ELECTRICAL HANDHOLE (12"L x 12"W x 12"D MINIMUM).
 2. PROVIDE NEW 5KVA 480V-120/240V TRANSFORMER WITH INTEGRAL 10 SPACE LOAD CENTER, AND 2500A MAIN CIRCUIT BREAKER (SQUARE D MINI POWER-ZONE OR APPROVED EQUAL).
 3. PROVIDE (2) 5/8" X 96" COPPER GROUND RODS AT TRANSFORMER. EXTEND (1) #8 AWG CU GROUND WIRE IN 3/4" PVC CONDUIT TO TRANSFORMER T-3.

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Client: CANISIUS HIGH SCHOOL
Project: ATHLETIC FIELDS - PHASE 3

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Drawing History: # Date Description

Project Status: FOR CONSTRUCTION

Date: 06-23-21
Project Number: 20020
Sheet Title: PARTIAL ELECTRICAL SITE PLAN (CONT.)

Sheet Number: E103



1 PARTIAL ELECTRICAL SITE PLAN
1" = 30'-0"

P:\Canisius High School\2020\Athletic Fields - Phase 3\Drawings\Elec\E104.dwg
Tuesday, June 22, 2021 - 11:02 AM

VOLTS		120/240V		PANEL MDP(ETR)				IC RATING							
BUS RATING		600A		LOCATION				ELEC. ROOM				MTG SURFACE			
MAIN BKR		600A													
LOCATION	WATTAGE		CIR	BKR	BKR		CIR	WATTAGE		LOCATION					
FEED PDP	-	-	3	100	20	2	-	-	-	TRACK POWER FOR BLEACHERS					
CONCESSION RECP.			5	20	20	6				GFI FAR BLEACHERS					
CONCESSION RECP.			7	20	20	8				TRACK POWER					
CONCESSION RECP.			9	20	20	10				TRACK POWER					
WATER COOLER			11	20	20	12				WATER HEATER					
			13			14									
			15			16				ICE MACHINE					
FURNACE			17	20	20	18				MACHINE ROOM PLUGS					
CLASSROOM RECP.			19	20	20	20				SOFT LIGHTS					
CLASSROOM RECP.			21	20		22									
INSIDE LIGHTS			23	20	20	24				POLE LIGHTS					
SECURITY			25	20		26				CONCESSION					
POLE LIGHTS			27	20	20	28				CONCESSION					
			29			30									
PRESS BOX			31			32				PRESS BOX					
			33	100		80									
			35	20		36									
T-1 (NEW)			37			38									
			39	150		40									
			41			42									
SUBTOTALS										SUBTOTALS					
TOTAL															

VOLTS		120/240V		PANEL LP-1				IC RATING				10 KA			
BUS RATING		100A		LOCATION				PRESS BOX				MTG SURFACE			
MAIN BKR		80A													
LOCATION	WATTAGE		CIR	BKR	BKR		CIR	WATTAGE		LOCATION					
DUGOUT 1			1	20	20	2				DUGOUT 2					
SPARE			3	20	20	4				DUGOUT 2 LIGHTS					
PRESS BOX RECP.			5	20	20	6				PRESS BOX LTG.					
SCOREBOARD			7	20	20	8				PITCHING MACHINE					
FUTURE STORAGE SPACE RECP.			9	20	20	10				FUTURE STORAGE SPACE LTG.					
			11			12									
SUBTOTALS										SUBTOTALS					
TOTAL															

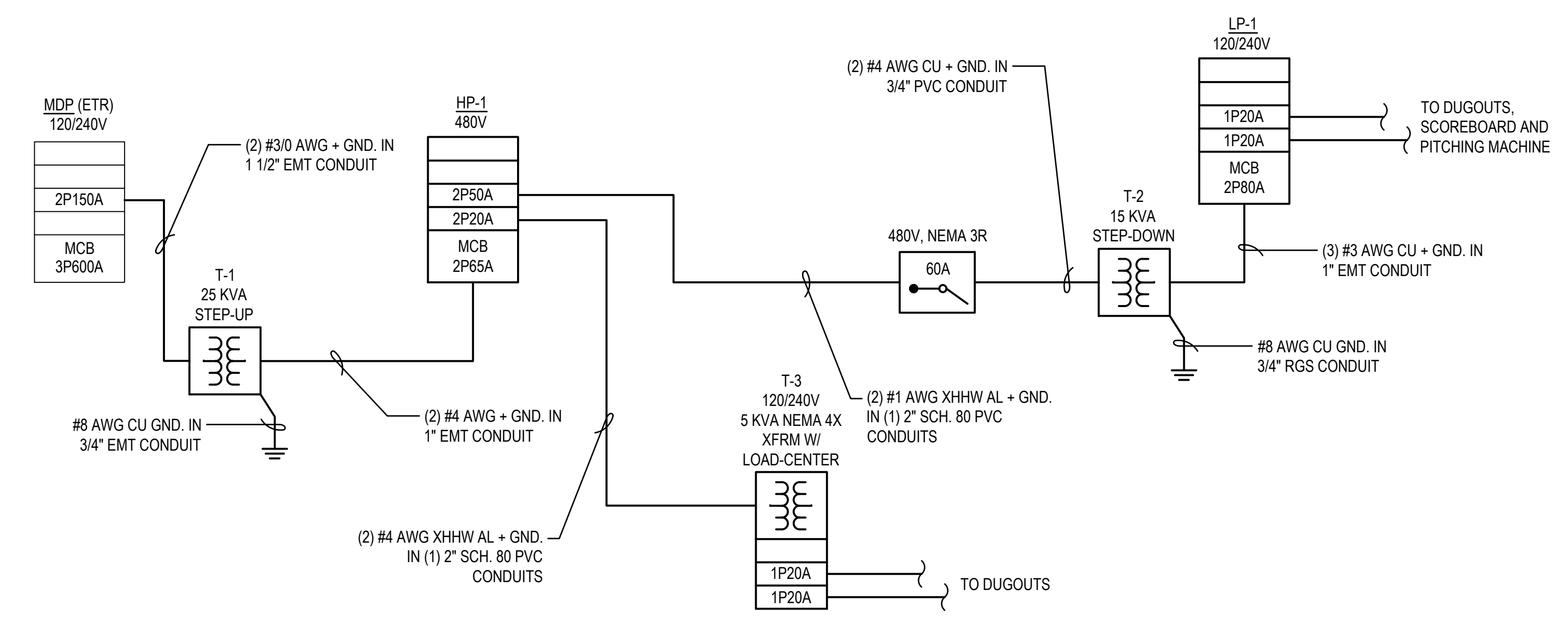
VOLTS		408V		PANEL HP-1				IC RATING				10 KA			
BUS RATING		100A		LOCATION				ELEC. ROOM				MTG SURFACE			
MAIN BKR		65A													
LOCATION	WATTAGE		CIR	BKR	BKR		CIR	WATTAGE		LOCATION					
T-2			1	50	20	2				T-3					
			3			4									
			5			6									
			7			8									
			9			10									
			11			12									
			13			14									
			15			16									
			17			18									
			19			20									
			21			22									
			23			24									
			25			26									
			27			28									
SUBTOTALS										SUBTOTALS					
TOTAL															

VOLTS		120/240V		PANEL T-3				IC RATING				10 KA			
BUS RATING		30A		LOCATION				J.V. SCOREBOARD				MTG SURFACE			
MAIN BKR		30A													
LOCATION	WATTAGE		CIR	BKR	BKR		CIR	WATTAGE		LOCATION					
DUGOUT 1			1	20	20	2				DUGOUT 2					
SCOREBOARD			3	20		4									
			5			6									
			7			8									
			9			10									
SUBTOTALS										SUBTOTALS					
TOTAL															

FEEDER SCHEDULE											
COPPER CONDUCTORS						ALUMINUM CONDUCTORS					
DESIGNATION	OC/PD AMPS / CKT RATING	PHASE	NEUTRAL	EQUIP. GND	CONDUIT	DESIGNATION	OC/PD AMPS / CKT RATING	PHASE	NEUTRAL	EQUIP. GND	CONDUIT
		SIZE AWG/KCMIL	QUANTITY	SIZE AWG/KCMIL	QUANTITY			SIZE AWG/KCMIL	QUANTITY	SIZE AWG/KCMIL	QUANTITY
A	15	12	3	12	1	12	1	1/4	1		
B	20	12	3	12	1	12	1	1/4	1		
C	30	10	3	10	1	10	1	1/4	1		
D	40	8	3	8	1	10	1	1/4	1		
E	50	6	3	6	1	10	1	1	1		
F	60	4	3	4	1	10	1	1 1/2	1		
G	70	4	3	4	1	8	1	1 1/2	1		
H	80	3	3	3	1	8	1	1 1/2	1		
J	90	2	3	2	1	8	1	1 1/2	1		
K	100	1	3	1	1	8	1	1 1/2	1		
L	125	1	3	1	1	6	1	1 1/2	1		
M	150	1/0	3	1/0	1	6	1	1 1/2	1		
N	175	2/0	3	2/0	1	6	1	2	1		
P	200	3/0	3	3/0	1	6	1	2	1		
Q	225	4/0	3	4/0	1	4	1	2 1/2	1		
R	250	250	3	250	1	4	1	2 1/2	1		
S	300	350	3	350	1	4	1	3	1		
T	350	500	3	500	1	3	1	4	1		
U	400	3/0	6	3/0	2	2	2	2 1/2	2		
V	500	250	6	250	2	2	2	3	2		
W	600	350	6	350	2	1	2	3	2		
X	700	500	6	500	2	1/0	2	4	2		
Y	800	300	9	300	3	1/0	3	3	3		
Z	1000	400	9	400	3	2/0	3	3	3		
AA	1200	350	12	350	4	3/0	4	3	4		
BB	1600	400	15	400	5	4/0	5	3	5		
CC	2000	400	18	400	6	250	6	3	6		

GENERAL NOTES:

- LSILSIC INDICATES CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP UNIT.
- ALL NORMAL BRANCH SWITCHBOARDS AND DISTRIBUTION PANELBOARDS (400A+) SHALL BE FULLY RATED.
- ALL NORMAL BRANCH PANELBOARDS SHALL BE SERIES RATED.



1 PARTIAL ONE-LINE DIAGRAM
N.T.S.

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Sheet Number: **E104**