

ALDEN GREEN HOUSE

11580 WALDEN AVE,
ALDEN, NY 14004

GENERAL NOTES:

1. CONTRACT DOCUMENTS — ALL CONTRACTORS SHALL EXAMINE THE CONTRACT DOCUMENTS, AND REFERENCED, NON CONTRACTUAL DOCUMENTS, AND SHALL BE INFORMED OF THE ENTIRE CONTENTS THEREOF PRIOR TO SUBMISSION OF PROPOSAL. ANY ERRORS OR AMBIGUITIES NOTED DURING SAID EXAMINATION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT, PRIOR TO THE SUBMISSION OF A BID. THE ARCHITECT WILL ISSUE AN ADDENDUM OF INTERPRETATION OF THE CITED ERROR OR AMBIGUITY.

NO SUBSEQUENT CLAIM FOR EXTRA WORK WILL BE ALLOWED ON ACCOUNT OF CLAIMED MISUNDERSTANDING OF THE MEANING OR INTENT OF THE CONTRACT DOCUMENTS OF ANY PORTION THEREOF. IF THE ITEM OCCASIONING THE CLAIM APPEARED IN, OR WAS INFERRABLE FROM, SAID CONTRACT DOCUMENTS AS FURNISHED FOR BIDDING, CONTRACTORS PROPOSE TO PROVIDE ALL REQUIRED MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

2. CODES — ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND ORDINANCES, INCLUDING BUT NOT LIMITED TO THE 2020 BUILDING CODES OF NEW YORK STATE, ICC/ANSI 111.1.2017, OSHA REGULATIONS, AND ALL AGENCIES HAVING JURISDICTION OF THIS PROJECT.

3. EXISTING CONDITIONS — ALL CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AT THE SITE PRIOR TO BID. COMMENCING WORK, AND FABRICATION OF ANY MATERIALS. CONTRACTORS SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT PRIOR TO CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, EXISTING UTILITIES.

4. SAFETY — IMPLEMENTING JOB SITE SAFETY CONSTRUCTION PROCEDURES AND COMPLIANCE WITH ALL (OSHA) RELATED SAFETY REGULATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTORS AND THEIR SUBCONTRACTORS.

THE FOLLOWING SHALL BE MAINTAINED AND/OR PROVIDED IN COMPLIANCE WITH CURRENT OSHA STANDARDS IN ADDITION TO ALL OTHER GOVERNING CODES AND ORDINANCES:

- ADEQUATE EXITS AND UNOBSTRUCTED ACCESS TO SUCH SHALL BE MAINTAINED
- VISIBLE EXIT SIGNAGE SHALL BE PROVIDED OR MAINTAINED
- FIRE PROTECTION PROGRAM AS WELL AS EQUIPMENT SHALL BE PROVIDED BY CONTRACTOR
- ACCESS TO A SUFFICIENT WATER SUPPLY SHALL BE AVAILABLE UPON ACCUMULATION OF COMBUSTIBLE MATERIAL
- FIRE EXTINGUISHING DEVICES AND EQUIPMENT OF PROPER RATING, STANDARD, AND LOCATION
- SERVICE OF FIRE RESPONSE SYSTEMS SHALL BE MAINTAINED AND CHECKED DAILY TO INSURE THAT PROTECTION IS IN SERVICE. INSIDES OF ALL ELECTRICAL AND TELEPHONE ROOMS.

5. MEANS AND METHODS — THE MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTORS AND THEIR SUBCONTRACTORS. ALL CONTRACTORS ARE RESPONSIBLE TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FORMWORK, STAGING, BRACING, SHEETING AND SHORING, RESHORING, ETC.—THIS INCLUDES THAT REQUIRED FOR THE CONTRACTOR VEHICLES, FORKLIFTS, MOBILE CRANES, MATERIALS STORAGE, ETC.

6. COORDINATION — ALL CONTRACTORS AND THEIR SUBCONTRACTORS ARE RESPONSIBLE FOR THE THOROUGH COORDINATION OF THE WORK WITH EACH OTHER. OBTAIN ALL NECESSARY INFORMATION REQUIRED FOR A WELL-COORDINATED INSTALLATION OF THE WORK. NO CLAIMS FOR ADDITIONAL WORK WILL BE ACCEPTED FOR WORK RELATED TO SUCH COORDINATION.

7. JOB SITE — EACH CONTRACTOR SHALL KEEP THE JOB SITE FREE OF DEBRIS AND IS RESPONSIBLE FOR DAILY CLEAN UP. ROADWAYS AND SIDEWALKS SHALL BE KEPT FREE OF DEBRIS. TRASH CONTAINERS SHALL BE EMPTIED IN A TIMELY MANNER.

8. PROTECTION AND RESTORATION — ALL CONTRACTORS AND THEIR SUBCONTRACTORS SHALL PROTECT AND NOT DAMAGE EXISTING FINISHES, EQUIPMENT, PROPERTY, ETC. DURING THE WORK. ALL DAMAGED AREAS SHALL BE REPAIRED/RESTORED TO THEIR ORIGINAL CONDITIONS.

ALL CONTRACTORS SHALL RESTORE EXISTING WALL ASSEMBLIES TO MATCH EXISTING CONSTRUCTION AND FINISH AS REQUIRED AT ALL NEW PENETRATIONS AND OPENINGS. ALL ABANDONED OPENINGS AT WALLS, ROOF, OR FLOOR SHALL BE INFILLED WITH PERMANENT CONSTRUCTION.

WHERE REMOVAL OF EXISTING CONSTRUCTION RESULTS IN DEPRESSIONS AND/OR UNEVEN CONDITIONS, PATCH, LEVEL, AND FEATHER AREAS AS REQUIRED TO PROVIDE UNIFORMITY OF NEW CONSTRUCTION.

9. FIRE RATINGS — THE EXISTING MEANS OF FIRE RATING, INCLUDING BUT NOT LIMITED TO RATED WALL AND FLOOR ASSEMBLIES, FIRE STOPS, DRAFT STOPS, PENETRATION, AND FIRE SAFING, MUST BE MAINTAINED. FIRE ALARM, SPRINKLER AND STANDPIPE SYSTEMS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES. FIRE PROTECTION SYSTEMS DISTURBED OR DAMAGED DUE TO CONSTRUCTION ACTIONS, SHALL BE REPAIRED BY THE CONTRACTOR TO MAINTAIN FIRE RATINGS AND PROTECTIONS.

10. FACILITY OPERATIONS — CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF ADJACENT FUNCTIONSBUILDINGS. ALL WORK, DELIVERIES AND OTHER CONSTRUCTION RELATED ACTIVITIES SHALL ADHERE IN STRICT ACCORDANCE TO LOCAL RESTRICTIONS AND CONDITIONS. CONTRACTORS ARE TO HAVE A COPY OF SAID REQUIREMENTS AND CONDITIONS AVAILABLE AT THE JOB SITE AT ALL TIMES FOR REVIEW.

11. QUALITY — ALL CONTRACTORS SHALL PROVIDE ALL MATERIALS INDICATED GRAPHICALLY OR AS NOTES. ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW AND FREE FROM DEFECTS. INSTALL ALL MATERIALS TO THE MANUFACTURER'S RECOMMENDATIONS AND TO ACCEPTABLE PROFESSIONAL TRADE INDUSTRY STANDARDS FOR WORK OF SIMILAR SCOPE AND CHARACTER. WORK SHALL NOT VOID ANY WARRANTIES OR IMPEDE THE PERFORMANCE OF ANY INSTALLED SYSTEM.

ALL WORK OF THE PROJECT SHALL BE PERFORMED CAREFULLY AND SKILLFULLY BY WORKERS ADEPT IN THEIR TRADES. SHOULD ANY MATERIAL OR WORKMANSHIP BE FOUND TO BE DEFECTIVE, IT SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

12. DRAWINGS — DO NOT SCALE DRAWINGS. ALL WALL, PARTITION, AND STRUCTURAL DIMENSIONS ARE ACTUAL AND ARE DIMENSIONED TO THE FACE OF THE PARTITION, UNLESS INDICATED OTHERWISE. ALL DIMENSIONS, NOTES, AND DETAILS SHOWING A PORTION OF A DRAWING SHALL APPLY TYPICALLY TO ALL OPPOSITE HAND AND/OR SIMILAR CONDITIONS. CONTRACTORS SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS REQUIRED FOR THE SCOPE OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

13. INCIDENTAL BLOCKING — PROVIDE ALL INCIDENTAL WOOD BLOCKING AS REQUIRED FOR ATTACHMENT OF FINISHES, AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO MILLWORK, CASEWORK, AND COUNTERTOPS.

14. INSPECTIONS — CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR ALL REQUIRED INSPECTIONS.

15. OWNER-PROVIDED EQUIPMENT — ALL CONTRACTORS SHALL OBTAIN ALL REQUIREMENTS FOR INSTALLATION OF OWNER PROVIDED EQUIPMENT FROM OWNER PRIOR TO INSTALLATION.

16. HAZARDOUS MATERIALS — TESTING WAS PERFORMED PRIOR TO THE PROJECT TO IDENTIFY HAZARDOUS MATERIALS THAT MAY BE DISTURBED BY THE PLANNED DEMOLITION.

REFER TO THE SURVEY REPORT BY REQUEST TO THE OWNER FOR A LIST OF BUILDING COMPONENTS ASSOCIATED WITH THE PROPOSED RENOVATIONS IDENTIFIED TO BE ASBESTOS OR LEAD-CONTAINING, IF ANY.

PER THE REPORT: "ASBESTOS CONTAIN MATERIALS WERE NOT IDENTIFIED ABOVE 1% IN MATERIALS THAT WERE SAMPLED. LEAD BASED POINT WAS NOT IDENTIFIED FOR AREAS THAT WERE TESTED. PCBs IN CAULK HAZARDS WERE ALSO NOT IDENTIFIED."

FURNISHING OF THIS INFORMATION IS NOT INTENDED TO RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES 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 ASBESTOS OR LEAD-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.

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.

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. ASBESTOS TESTING REPORTS ARE AVAILABLE BY REQUEST TO THE OWNER.

ABBREVIATIONS:

AB	ANCHOR BOLT	FE	FIRE EXTINGUISHER	PLBG	PLUMBING
ABV	ABOVE	FF	FINISHED FLOOR	PNT	PAINT / PAINTED
ACT	AIR CONDITIONING	FFAE	FURNITURE, FIXTURE, & EQUIPMENT	PSF	POUNDS PER SQUARE FOOT
A/C	ACROUSTICAL TILE OR PANEL	FIN	FINISH	PSI	POUNDS PER SQUARE INCH
ADA	AMERICANS W/ DISABILITIES ACT	FLN	FLOOR	PT	PORCELAIN TILE / PAVER TILE
ADD	ADDENDUM	FLM	FLOOR MAT	PVMT	PAVEMENT
AFF	ABOVE FINISHED FLOOR	FOS	FACE OF STUD	PVC	POLYVINYL CHLORIDE
AFG	ABOVE FINISHED GRADE	FOW	FACE OF WALL	QT	QUARRY TILE
AHU	AIR HANDLING UNIT	FR	FRAME	QTY	QUANTITY
AL	ALUMINUM	FT	FEET / FOOT	R	RADIUS / RISER / THERMAL RESISTANCE
ALT	ALTERNATE / ALTERNATIVE	FTG	FOOTING	RA	RETURN AIR
AND	AND/ODD	FUR	FURRING	RB	RUBBER BASE
APPROX	APPROXIMATE	FV	FIELD VERIFY	RCP	REFLECTED CEILING PLAN
ARCH	ARCHITECT / ARCHITECTURAL	G	GAS	ROD	RADIATOR
ASBY	ASSEMBLY	GA	GAUGE	RS	RUBBER SEAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	GALV	GALVANIZED	ROP	ROOF DRAIN
AV	AUDIO VISUAL	GB	GRAB BAR / GRADE BEAM	REC	RECESSED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RECPT	RECEPTACLE
BC	BUILDING CODE	GL	GLASS	REF	REFERENCE
BD	BOARD	GND	GROUND	REFP	REINFORCING
BFF	BELOW FINISH FLOOR	GR	GRADE	REQD	REQUIRED
BTUM	BITUMINOUS	GWS	GYSULUM WALL BOARD	RES	RESILIENT
BKSP	BACKSPLASH	GYP	GYSULUM	REV	REVISION
BLDG	BUILDING	H	HIGH	RHR	RIGHT HAND REVERSE
BLK	BLOCK	HB	HOLE BB	RH	RIGHT HAND
BLKG	BLOCKING	HC	HANDICAPPED	RM	ROOM
BM	BEAM / BENCH MARK	HM	HOLLOW METAL	RO	ROUGH OPENING
BOS	BOTTOM OF STEEL	HP	HIGH POINT / HORSEPOWER	ROW	RIGHT OF WAY
BTWN	BETWEEN	HT	HEIGHT	RTU	ROOF TOP UNIT
BTM	BOTTOM	HVAC	HEATING, VENTILATING, AIR CONDITIONING	RV	ROOF VENT
BTU	BRITISH THERMAL UNIT	IBC	INTERNATIONAL BUILDING CODE	SF	SQUARE FOOT / SQUARE FEET
BUR	BUILTUP ROOF	IMP	INSULATED METAL PANEL	SHT	SHEET
CAB	CABINET	IN	INCLUDING / INCLUDED	SH	SIMILAR
CB	CATCH BASIN	INCL	INCLUDING / INCLUDED	SP	SPACE / STAND PIPE
CEM	CEMENT	INSUL	INSULATION / INSULATED	SPECS	SPECIFICATIONS
CG	CORNER GUARD	INT	INTERIOR	SQ	SQUARE
CGT	CERAMIC GLAZED TILE	INV	INVERT	SS	STAINLESS STEEL
CJ	CONTROL JOINT	IP	IRON PIPE	ST	STORM DRAINAGE LINE
CL	CENTERLINE	JAN	JANITOR	STD	STANDARD
CLG	CEILING	JT	JOINT	STL	STEEL
CLO	CLOSET	LAB	LABORATORY	STRUT	STRUCTURAL
CLR	CLEAR	LAM	LAMINATED	SUSP	SUSPENDED
CLS	CLOSURE	LAV	LAVATORY	SYM	SYMMETRICAL
CMT	CERAMIC MOSAIC TILE	LEAKOUT	LEAKOUT	TB	THROUGH BOLT
CNU	CONCRETE MASONRY UNIT	LF	LINEAR FEET / LINEAR FEET	TEL	TELEPHONE
CO	CLEANOUT	LG	LONG	TER	TERRAZZO
COL	COLUMN	LH	LEFT HAND	TAG	TONGUE & GROOVE
COMB	COMBINATION	LHR	LEFT HAND REVERSE	THK	THICK
COND	CONDENSER	LN	LINEAR	TCC	TOP OF CONCRETE
CONF	CONFERENCE	LOCKR	LOCKER	TOP	TOP OF FOOTING
CONST	CONSTRUCTION	LLH	LONG LEG HORIZONTAL	TOJ	TOP OF JOIST
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL	TOP	TOP OF PIER
COORD	COORDINATE	LL	LIVE LOAD	TOS	TOP OF STEEL
CORR	CORROSION / CORRUGATED	LOC	LOCATION	TOW	TOP OF WALL
CPT	CARPET	LP	LOW POINT	TP	TOP OF PAVEMENT
CT	CERAMIC TILE	LT	LIGHT	TY	TYPICAL
CTR	CENTER	LVR	LOUVER	UBC	UNIFORM BUILDING CODE
DEMO	DEMOLISH / DEMOLITION	MAX	MAXIMUM	UG	UNDERGUT
DET	DETAIL	MB	MACHINE BOLT	UG	UNDERGROUND
DF	DRINKING FOUNTAIN	MC	MECHANICAL CONTRACTOR	UH	UNIT HEATER
DH	DOUBLE HUNG	MECH	MECHANICAL	UL	UNDERWRITERS LABORATORIES
DA	DIAMETER	MED	MEDIUM	UNFN	UNFINISHED
DIAG	DIAGONAL	MET	METAL	UNT	UNLESS NOTED OTHERWISE
DIFF	DIFFUSER	MEZZ	MEZZANINE	UTIL	UTILITY
DM	DIMENSION	MFG	MANUFACTURING	VAR	VARIES
DISP	DISPENSER	MFR	MANUFACTURER	VAR	VARIABLE COMPOSITION TILE
DL	DEAD LOAD	DOWN	DOWN	VCT	VERTICAL
DN	DOWN	MHT	MOUNTING HEIGHT	VEST	VESTIBULE
DR	DOOR	MIN	MINIMUM	VIF	VERIFY IN FIELD
DS	DOWN SPOUT	MISC	MISCELLANEOUS	W	WITH
DWG	DRAWING	ML	MATCH LINE	WO	WITHOUT
EA	EACH	N	NORTH	WC	WATER CLOSET
EF	ELECTRICAL CONTRACTOR	NA	NOT APPLICABLE	WD	WOOD
EFS	EXHAUST FAN / EACH FACE	NIC	NOT IN CONTRACT	WL	WIND LOAD
DI	DIAMETER	NOM	NOMINAL		
EJ	EXPANSION JOINT	NRC	NOISE REDUCTION COEFFICIENT		
EL	ELEVATION	NTS	NOT TO SCALE		
ELECT	ELECTRICAL	OC	ON CENTER		
ELEV	ELEVATOR	OCFI	OWNER FURNISHED CONTRACTOR		
ENCL	ENCLOSURE	OH	OPENING		
EP	ELECTRICAL PANEL	OPP	OPPOSITE		
EPM	ETHYLENE PROPYLENE DIENE MONOMER	OPH	OPPOSITE HAND		
EQ	EQUAL	PC	PLUMBING CONTRACTOR		
EQUIP	EQUIPMENT	PCF	POUNDS PER CUBIC FOOT		
EXIST	EXISTING	PERF	PERFORATED		
EXP	EXPANSION	PL	PLATE / PROPERTY LINE		
EXT	EXTERIOR	PLM	PLASTIC LAMINATE		
EXTR	EXTRUDED / EXTRUSION				
FCU	FAN COIL UNIT				
FD	FLOOR DRAIN				
FOUNDATION	FOUNDATION				

DRAWING LIST

Number	Sheet Name	Initial Issue Date	Revision History
C101	GENERAL INFORMATION	10/10/2025	12/05/25
C001	OVERALL SITE MAP-PROPOSED SUBDIVISION	10/10/2025	
C100	EXISTING CONDITIONS & SITE DEMOLITION PLAN	10/10/2025	12/01/25
C101	PARTIAL SITE LAYOUT & LANDSCAPE PLAN	10/10/2025	12/01/25
C102	PARTIAL SITE GRADING & DRAINAGE PLAN	10/10/2025	12/01/25
C103	PARTIAL SITE UTILITIES & DRAINAGE PLAN	10/10/2025	12/01/25
C104	PARTIAL SITE UTILITIES PLAN	10/10/2025	12/01/25
C105	EROSION & SEDIMENT CONTROL PLAN	10/10/2025	
C200	SITWORK DETAILS	10/10/2025	
C201	SITWORK DETAILS	10/10/2025	
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C203	SANITARY SEWER PROFILE	10/10/2025	
S101	PARTIAL FOUNDATION/FLOOR PLAN	10/10/2025	12/01/25
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S103	LOADING DOCK FOUNDATION/FLOOR AND ROOF FRAMING PLANS	10/10/2025	12/01/25
S201	GENERAL NOTES	10/10/2025	
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A103	OVERALL EQUIPMENT AND FURNITURE PLAN	10/10/2025	12/05/25
A103a	PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-A	10/10/2025	12/05/25
A103b	PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-B	10/10/2025	12/05/25
A201	EXTERIOR ELEVATIONS	10/10/2025	12/05/25
A400	FOUNDATION DETAILS	12/05/2025	
P001	UNDERSLAB PLUMBING NOTES AND SCHEDULES	10/10/2025	10/23/25
P101	OVERALL UNDERSLAB PLUMBING PLAN	10/10/2025	12/05/25
P101a	PARTIAL UNDERSLAB PLUMBING PLAN AREA A	10/10/2025	12/05/25
P101b	PARTIAL UNDERSLAB PLUMBING PLAN AREA B	10/10/2025	12/05/25
P501	UNDERSLAB PLUMBING DETAILS	10/10/2025	12/03/25
E001	SYMBOL, LEGEND, DETAILS & SCHEDULES	10/10/2025	
E002	ELECTRICAL DETAILS	10/10/2025	
E003	ELECTRICAL DETAILS (FOR REFERENCE ONLY)	10/10/2025	12/05/25
E101	OVERALL UNDERSLAB ELECTRICAL PLAN	10/10/2025	12/05/25
E101a	OVERALL UNDERSLAB ELECTRICAL PLAN AREA-A	10/10/2025	12/05/25
E101b	OVERALL UNDERSLAB ELECTRICAL PLAN AREA-B	10/10/2025	12/05/25
E300	ELECTRICAL DEMO SITE PLAN	10/10/2025	
E301	ELECTRICAL SITE PLAN - INCOMING FEEDER	10/10/2025	
E302	ELECTRICAL SITE PLAN	10/10/2025	12/05/25
E303	ELECTRICAL SITE PLAN - COMMUNICATIONS	10/10/2025	12/05/25
E501	ONE-LINE DIAGRAM (FOR REFERENCE ONLY)	10/10/2025	12/05/25

SYMBOL LEGEND

	DETAIL NUMBER		SECTION TAG
	SHEET NUMBER		ELEVATION TAG
	TRUE NORTH		NORTH ARROW
	FINISH FACE OF SURFACES ALIGN		STRUCTURAL GRID TAG
	ROOM NAME		ROOM TAG
	DOOR		DOOR TAG
	WALL		WALL TAG
	WINDOW / LOUVER		WINDOW / LOUVER TAG
	REFER TO DRAWING NOTE		

LOCATION MAP



Date: 10/10/2025
Project Number: TAP 24003

Sheet Title: GENERAL INFORMATION

Sheet Number: G101

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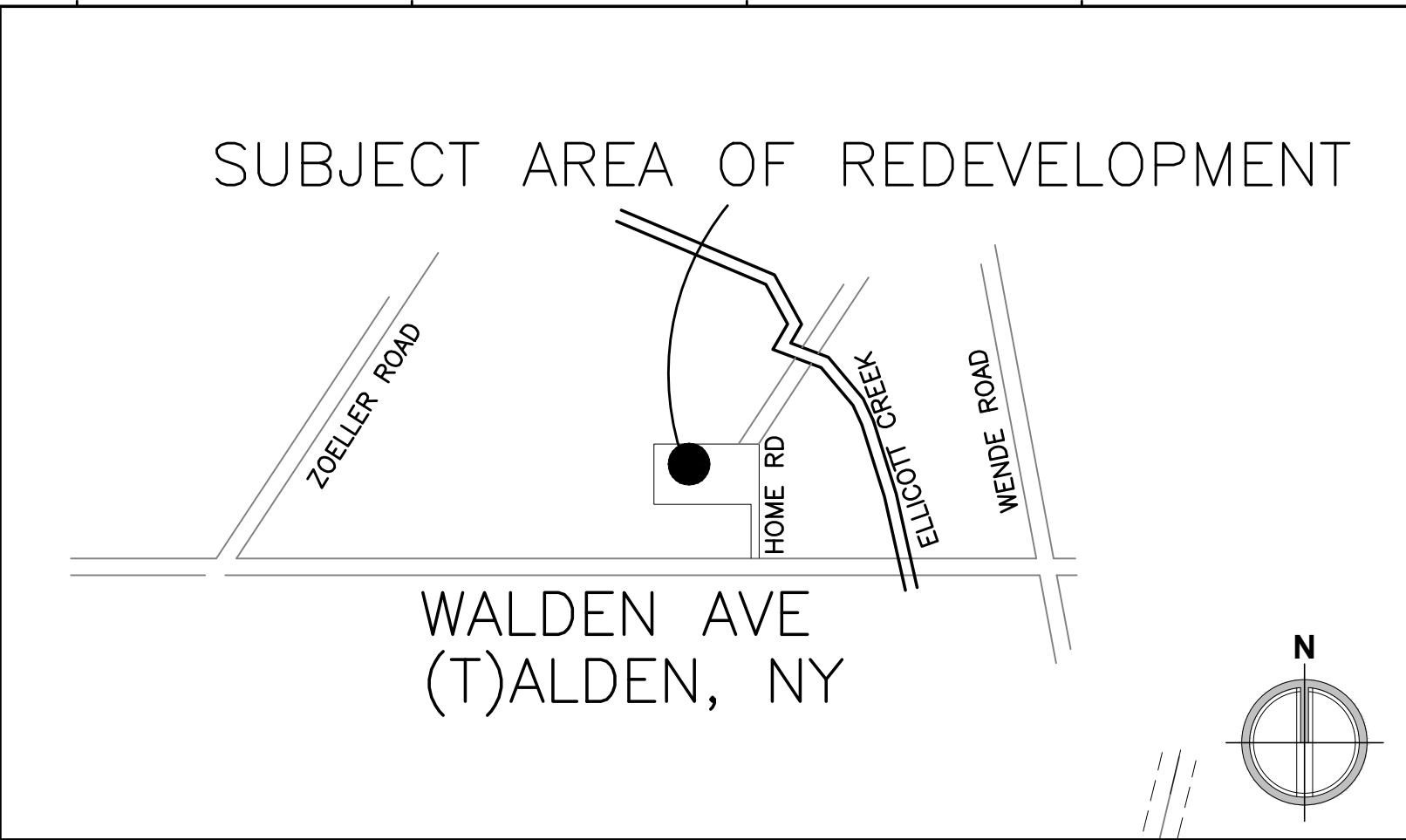
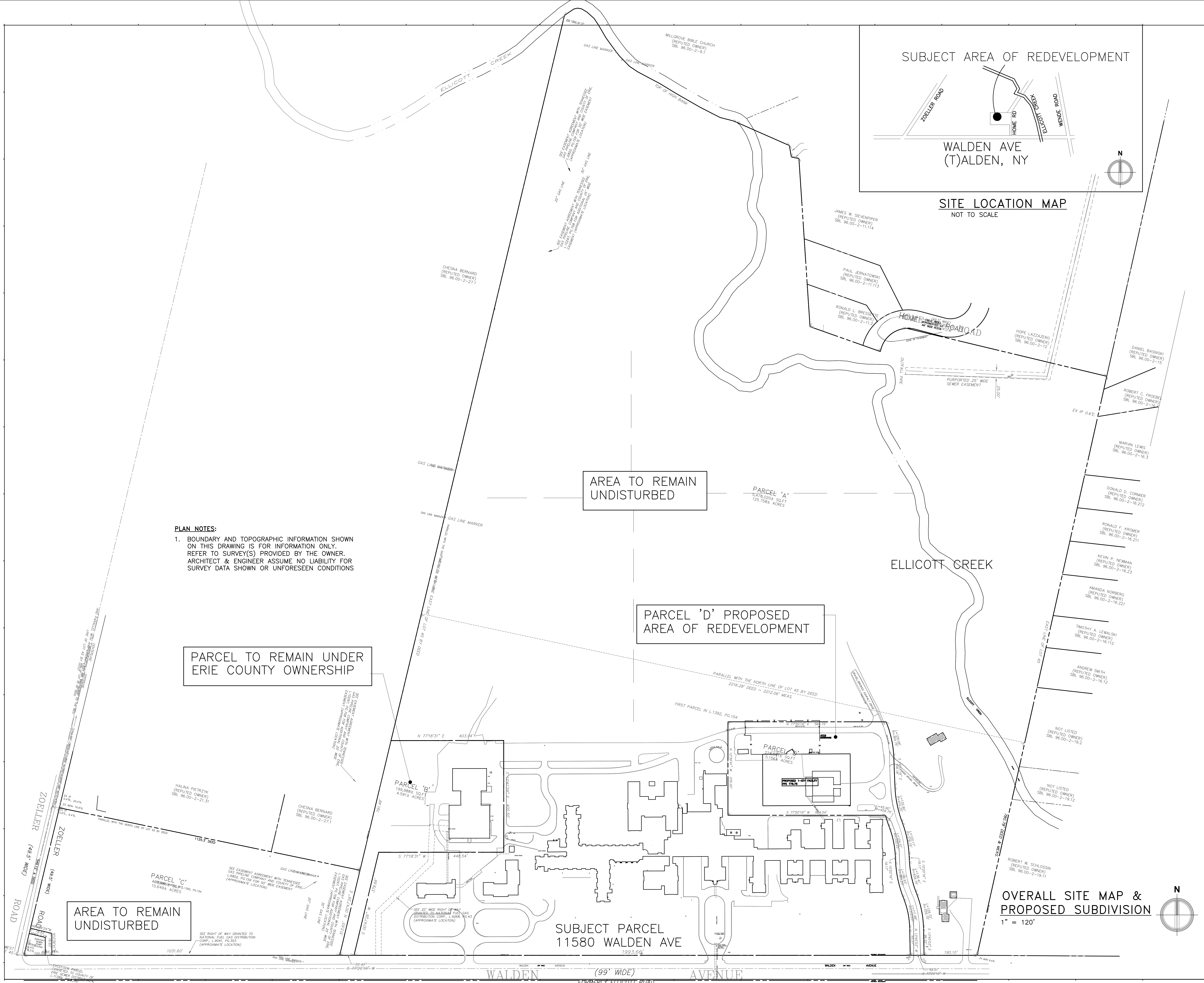
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Client: 11580 Walden Ave LLC

Project: Alden Green House

Project Address: 11580 WALDEN AVE
ALDEN, NY 14004

Drawing History: # Date Description
1 12/05/25 UNDERSLAB REV.



SITE LOCATION MAP
NOT TO SCALE

PLAN NOTES:

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PARCEL TO REMAIN UNDER ERIE COUNTY OWNERSHIP

AREA TO REMAIN UNDISTURBED

PARCEL 'D' PROPOSED AREA OF REDEVELOPMENT

OVERALL SITE MAP & PROPOSED SUBDIVISION
1" = 120'



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Expires 10.31.28



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Project: Alden Green House

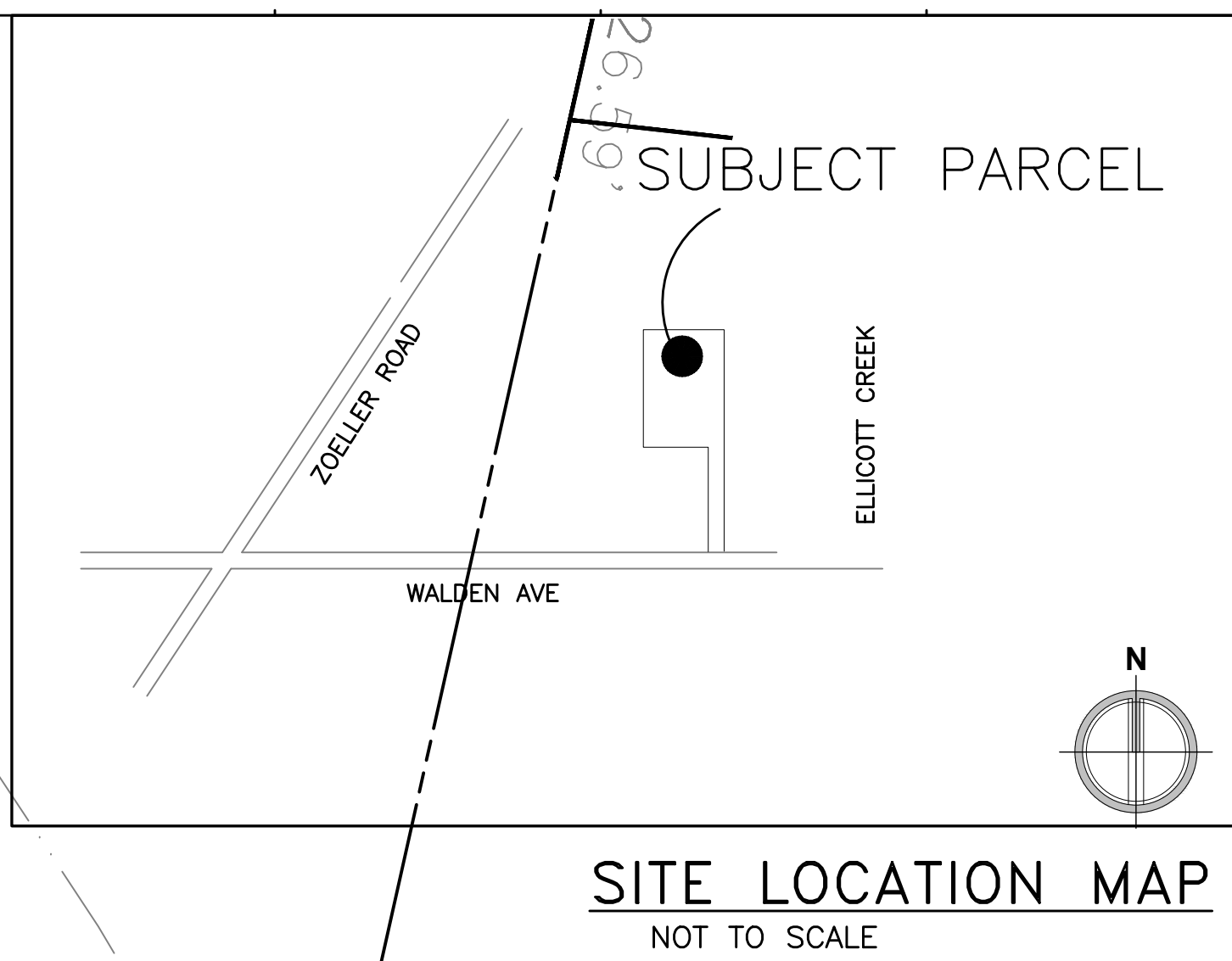
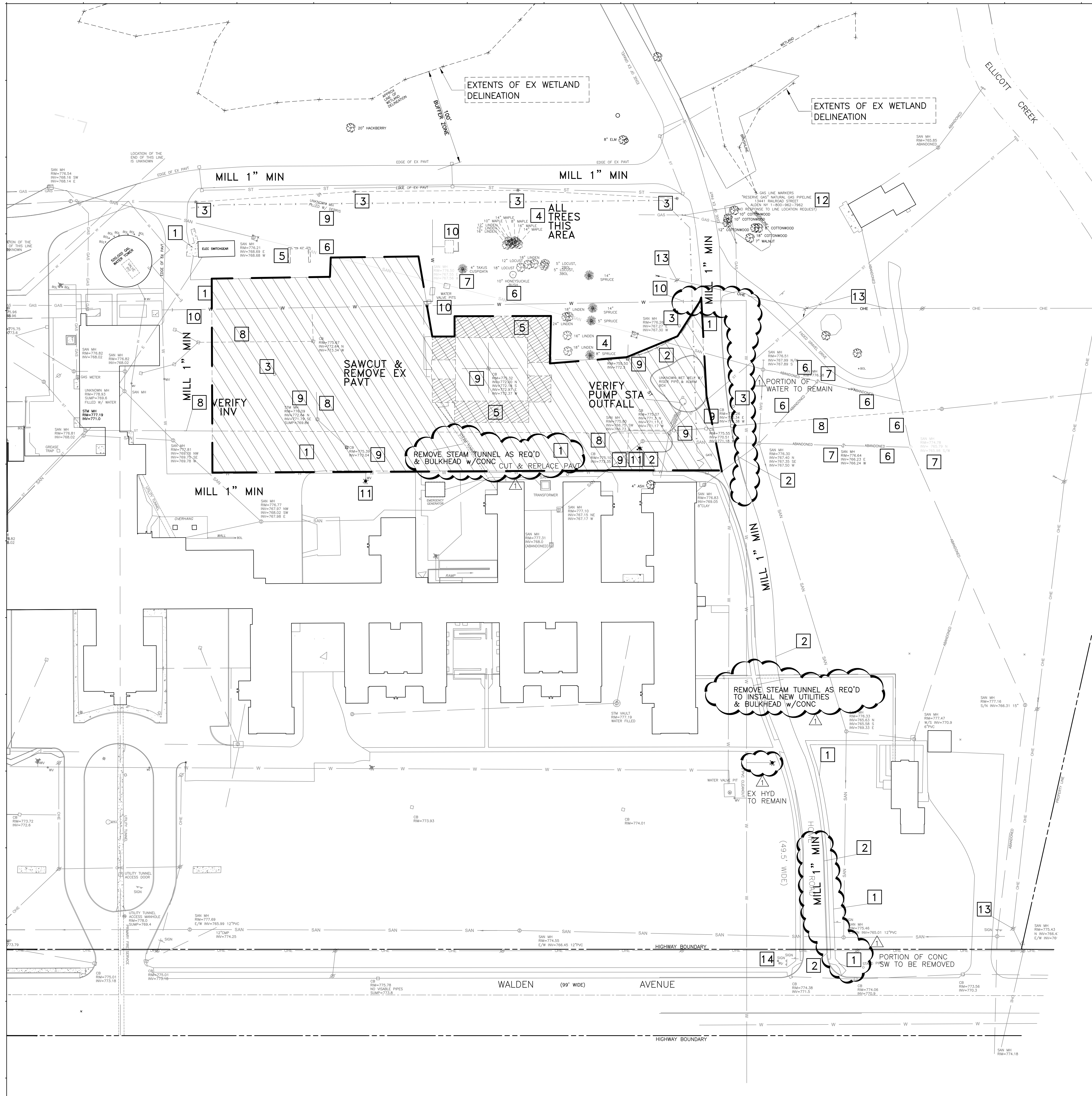
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NY 14004

Drawing History: # Date Description

Date: 10/10/2025
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OVERALL SITE MAP - PROPOSED SUBDIVISION

Sheet Number: C001



SITE DEMOLITION NOTES:

1. SAWCUT & REMOVE ASPHALT/CONCRETE PAVT & SUBBASE STONE
2. SAWCUT & REMOVE PORTION OF CONC CURBING
3. REMOVE LIGHT POLE/UTILITY POLE & FOUNDATION -REMOVE/ABANDON CONDUIT
4. REMOVE TREE PLANTING & ROOT BALL
5. REMOVE BUILDING STRUCTURE & FOUNDATIONS IN THEIR ENTIRETY - REFER TO ARCHITECTURAL SPEC FOR ADDITIONAL INFO.
6. REMOVE/ABANDON PORTION OF SANITARY SEWER PIPING -PLUG PIPE END WITH CONC AFTER CHANGE-OVER TO NEW OUTFALL
7. REMOVE SANITARY MANHOLE
8. REMOVE PORTION OF STORM SEWER PIPING
9. REMOVE STORM RECEIVER/MANHOLE
10. REMOVE/ABANDON PORTION OF WATERLINE & CAP -EXISTING SHUT-OFF VALVE(S), METERS, BACKFLOW DEVICES, HYDRANTS, ETC. TO REMAIN UON
11. REMOVE HYDRANT & GATE VALVE & CAP BRANCH PIPING
12. GAS LINE REMOVAL/RELOCATION OR ABANDONMENT BY SUPPLIER -COORD. WITH BUILDING M.E.P. PLANS FOR NEW SERVICES
13. POWER LINE & POLE REMOVAL/RELOCATION OR ABANDONMENT -COORD. WITH 'E' DWGS
14. REMOVE 'HOME ROAD' STREET SIGN

EXISTING CONDITIONS & SITE DEMOLITION PLAN

1" = 40'

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2. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, FEATURES, AND M.E.P. DRAWINGS FOR UTILITY CONNECTIONS.
3. BACKFILL ALL EXCAVATIONS AND DEPRESSIONS MADE WITH 95% COMPACTED STRUCT'L FILL IN 8" LAYERS



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LLC

Project: Alden Green House

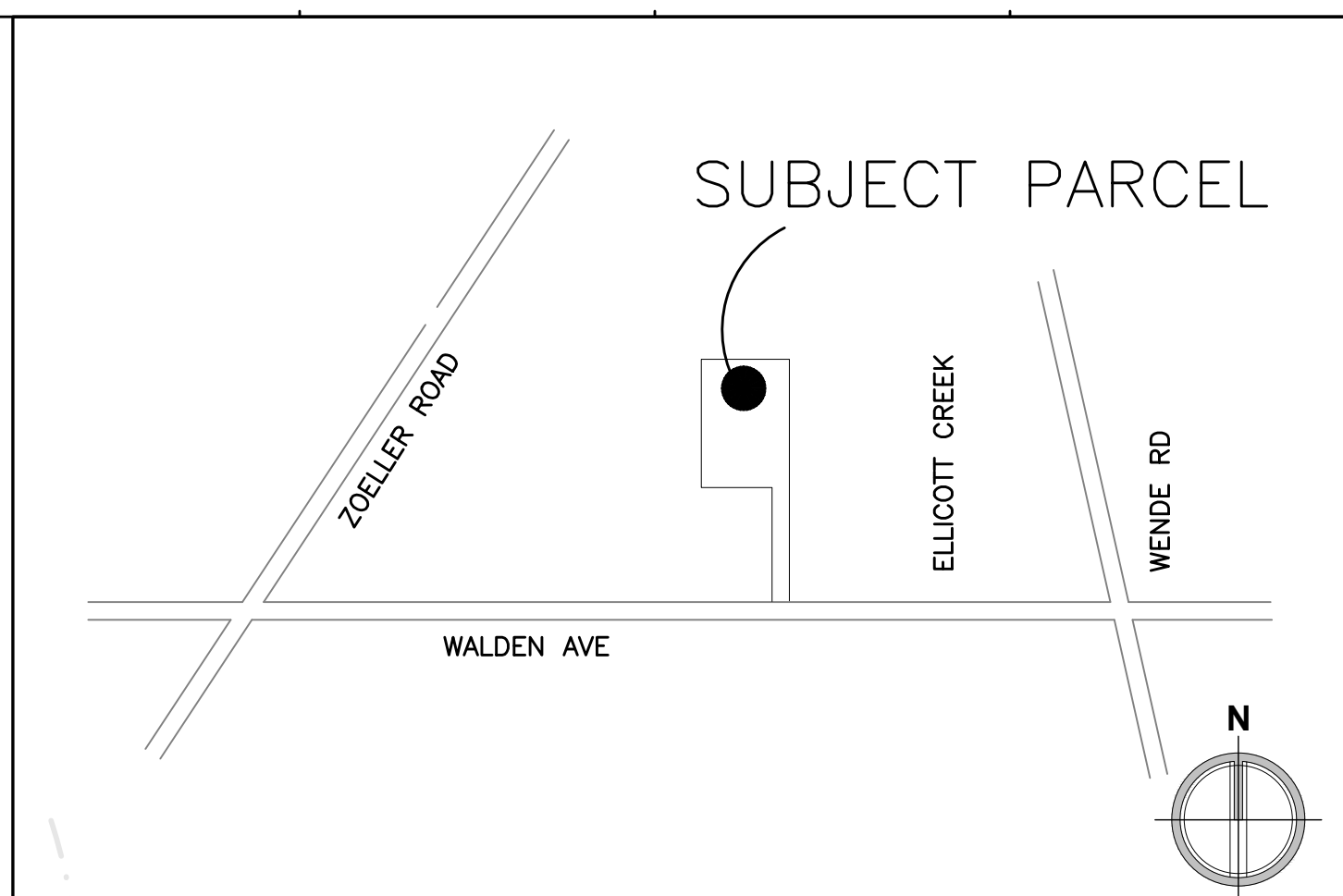
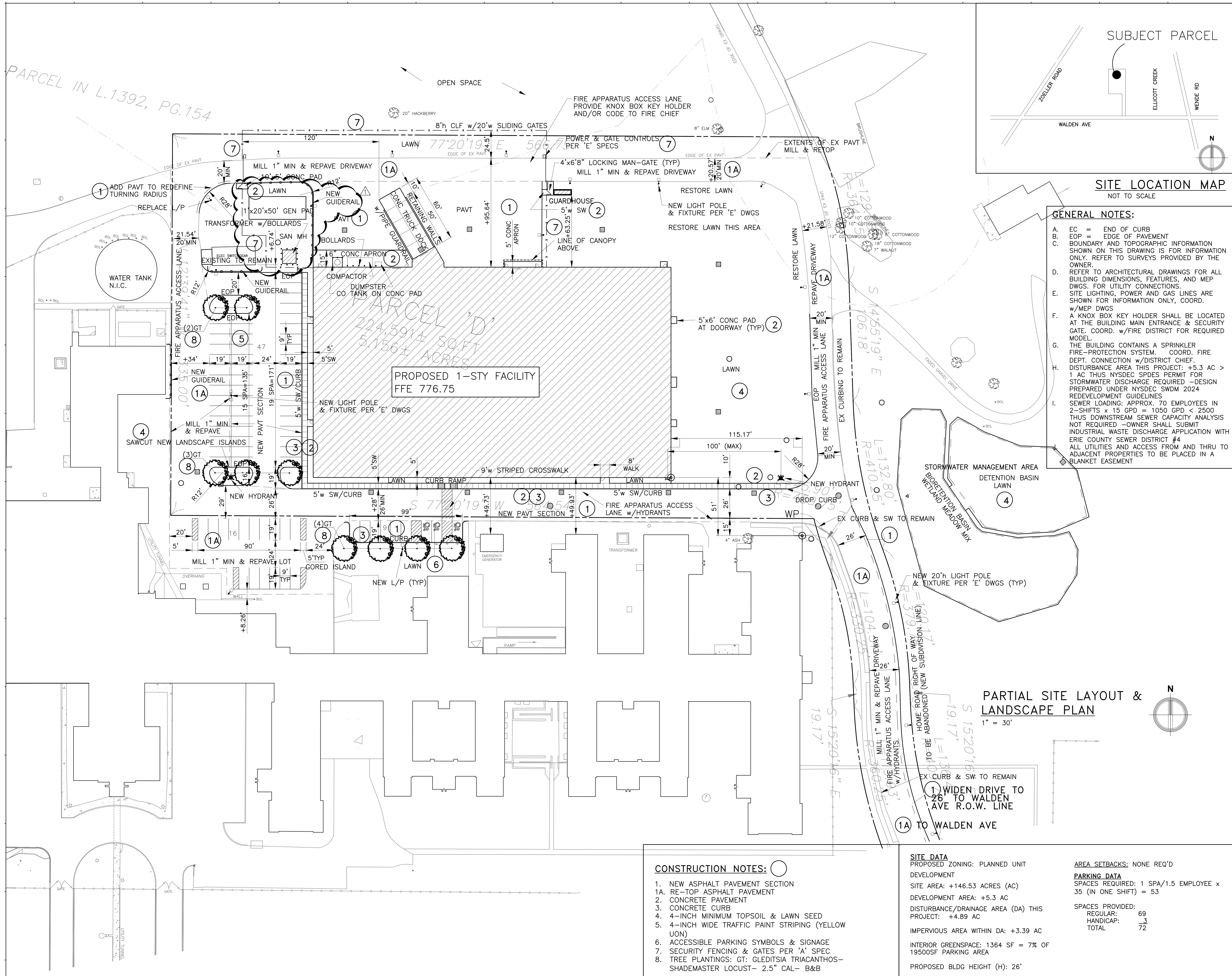
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NY 14004

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	1	12/01/25	REVISED

Date: 09/29/25
Project Number: TAP 24003
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**EXISTING
CONDITIONS &
SITE DEMOLITION
PLAN**

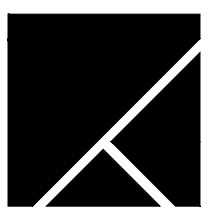
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- GENERAL NOTES:**
- A. EC = END OF CURB
 - B. EOP = EDGE OF PAVEMENT
 - C. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THIS DRAWING IS FOR INFORMATION ONLY. REFER TO SURVEYS PROVIDED BY THE OWNER.
 - D. REFER TO ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS, FEATURES, AND MEP DWGS. FOR UTILITY CONNECTIONS.
 - E. SITE LIGHTING, POWER AND GAS LINES ARE SHOWN FOR INFORMATION ONLY, COORD. w/MEP DWGS
 - F. A KNOX BOX KEY HOLDER SHALL BE LOCATED AT THE BUILDING MAIN ENTRANCE & SECURITY GATE. COORD. w/FIRE DISTRICT FOR REQUIRED MODEL.
 - G. THE BUILDING CONTAINS A SPRINKLER FIRE-PROTECTION SYSTEM. COORD. FIRE DEPT. CONNECTION w/DISTRICT CHIEF.
 - H. DISTURBANCE AREA THIS PROJECT: +5.3 AC > 1 AC THUS NYSDEC SPDES PERMIT FOR STORMWATER DISCHARGE REQUIRED -DESIGN PREPARED UNDER NYSDEC SWDM 2024 REDEVELOPMENT GUIDELINES
 - I. SEWER LOADING: APPROX. 70 EMPLOYEES IN 2-SHIFTS x 15 GPD = 1050 GPD < 2500 THUS DOWNSTREAM SEWER CAPACITY ANALYSIS NOT REQUIRED -OWNER SHALL SUBMIT INDUSTRIAL WASTE DISCHARGE APPLICATION WITH ERIE COUNTY SEWER DISTRICT #4 ALL UTILITIES AND ACCESS FROM AND THRU TO ADJACENT PROPERTIES TO BE PLACED IN A BLANKET EASEMENT

- CONSTRUCTION NOTES:**
- 1. NEW ASPHALT PAVEMENT SECTION
 - 1A. RE-TOP ASPHALT PAVEMENT
 - 2. CONCRETE PAVEMENT
 - 3. CONCRETE CURB
 - 4. 4-INCH MINIMUM TOPSOIL & LAWN SEED
 - 5. 4-INCH WIDE TRAFFIC PAINT STRIPING (YELLOW UON)
 - 6. ACCESSIBLE PARKING SYMBOLS & SIGNAGE
 - 7. SECURITY FENCING & GATES PER 'A' SPEC
 - 8. TREE PLANTINGS: GT: GLEDITSIA TRIACANTHOS-SHADEMASTER LOCUST- 2.5" CAL- B&B

SITE DATA		AREA SETBACKS: NONE REQ'D	
PROPOSED ZONING: PLANNED UNIT DEVELOPMENT		PARKING DATA	
SITE AREA: +146.53 ACRES (AC)		SPACES REQUIRED: 1 SPA/1.5 EMPLOYEE x 35 (IN ONE SHIFT) = 53	
DEVELOPMENT AREA: +5.3 AC		SPACES PROVIDED:	
DISTURBANCE/DRAINAGE AREA (DA) THIS PROJECT: +4.89 AC		REGULAR: 69	
IMPERVIOUS AREA WITHIN DA: +3.39 AC		HANDICAP: 3	
INTERIOR GREENSPACE: 1364 SF = 7% OF 19500SF PARKING AREA		TOTAL: 72	
PROPOSED BLDG HEIGHT (H): 26'			




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716 876 1467
NYS Cert. of Auth. # 018880

Signature & Seal: 

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Client: 11580 Walden Ave LLC

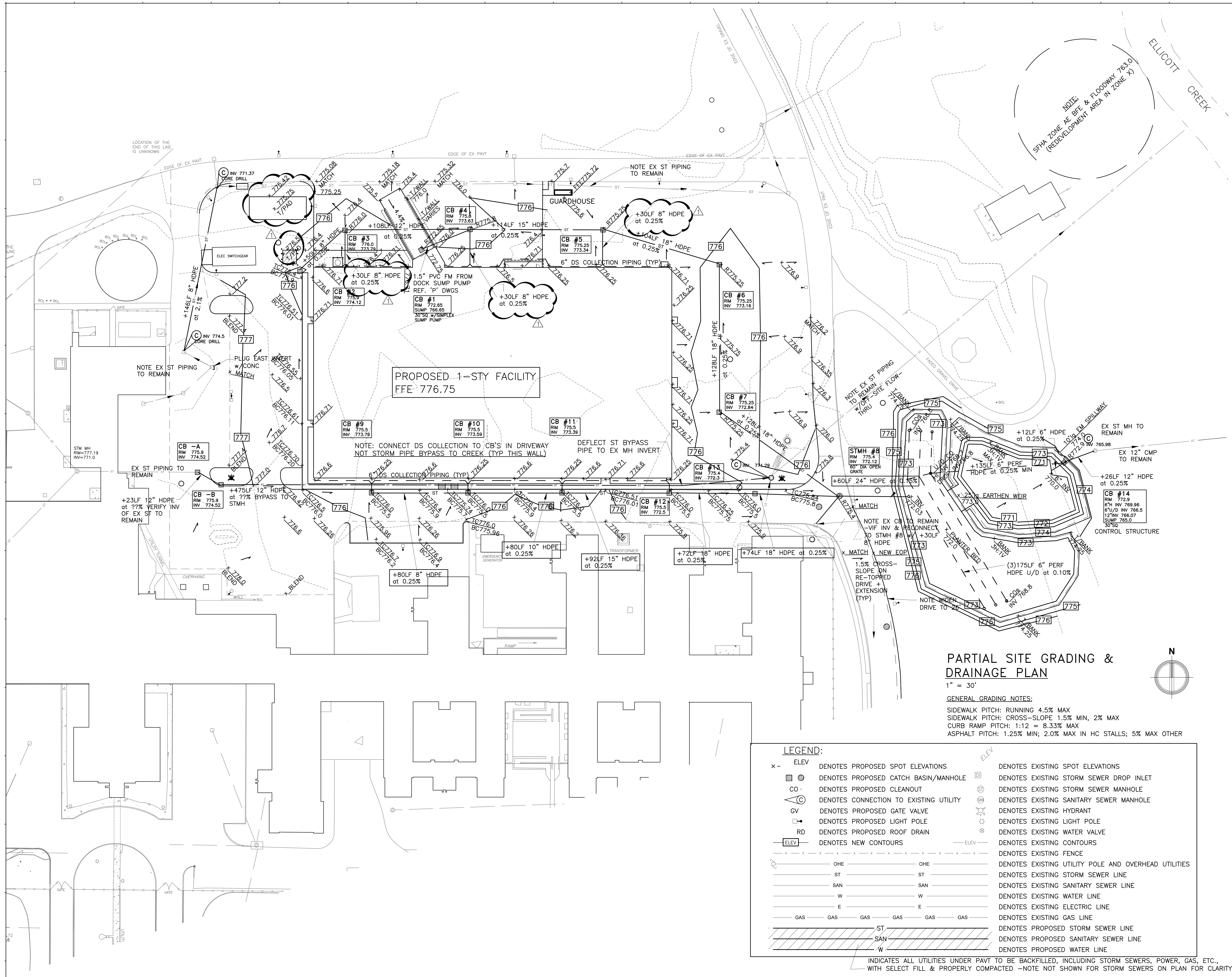
Project: Alden Green House

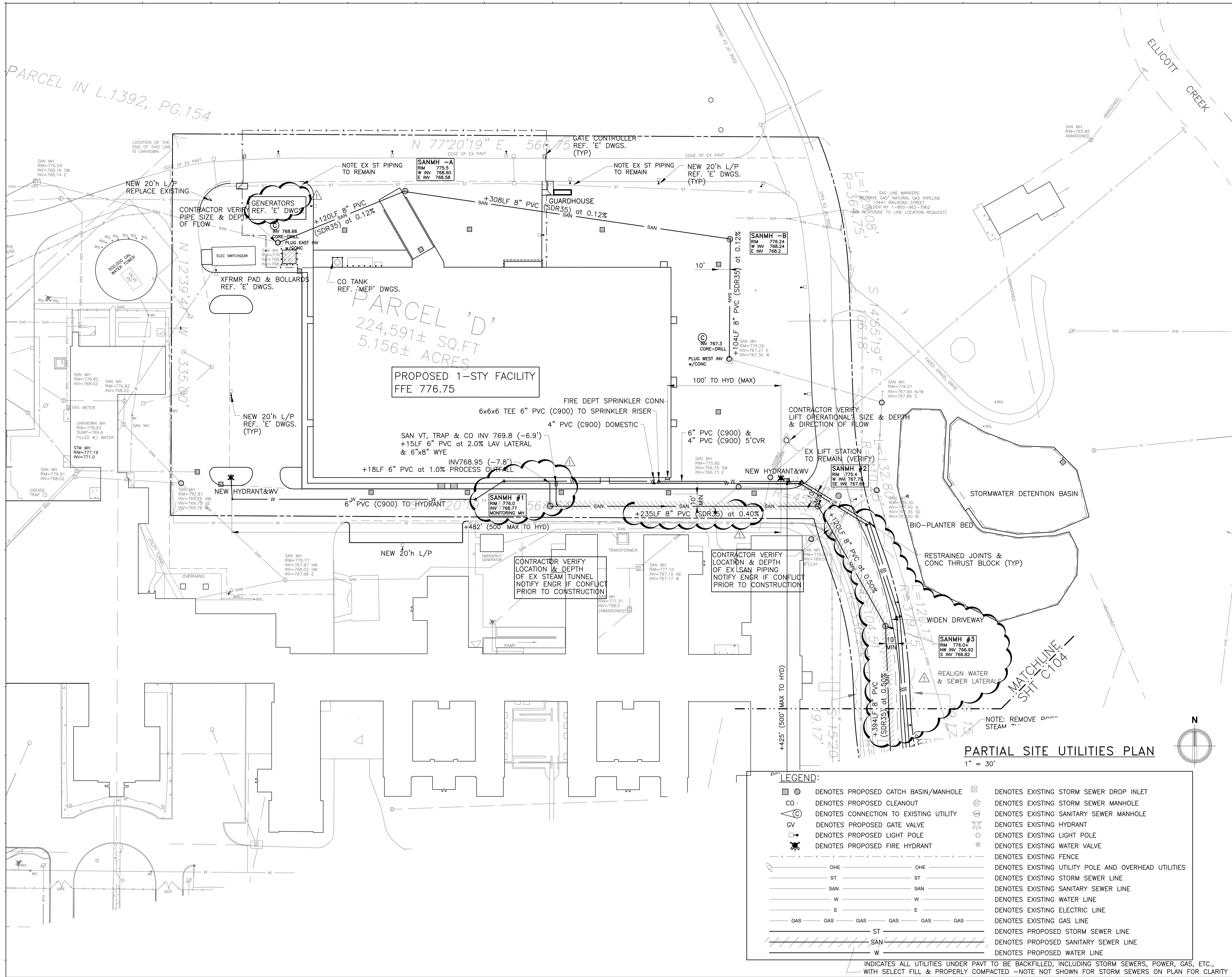
Project Address: 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

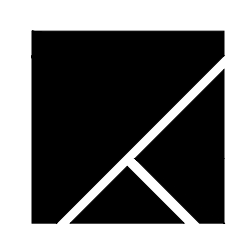
Drawing History:	#	Date	Description
	1	12/01/25	REVISED

Date: 09/29/25
Project Number: TAP 24003
Sheet Title: **PARTIAL SITE LAYOUT & LANDSCAPE PLAN**

Sheet Number: **C101**







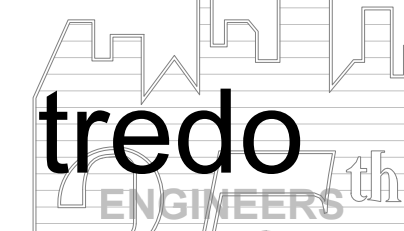
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Client: 11580 Walden Ave
LLC

Project: Alden Green House

Project Address: 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

Drawing History:

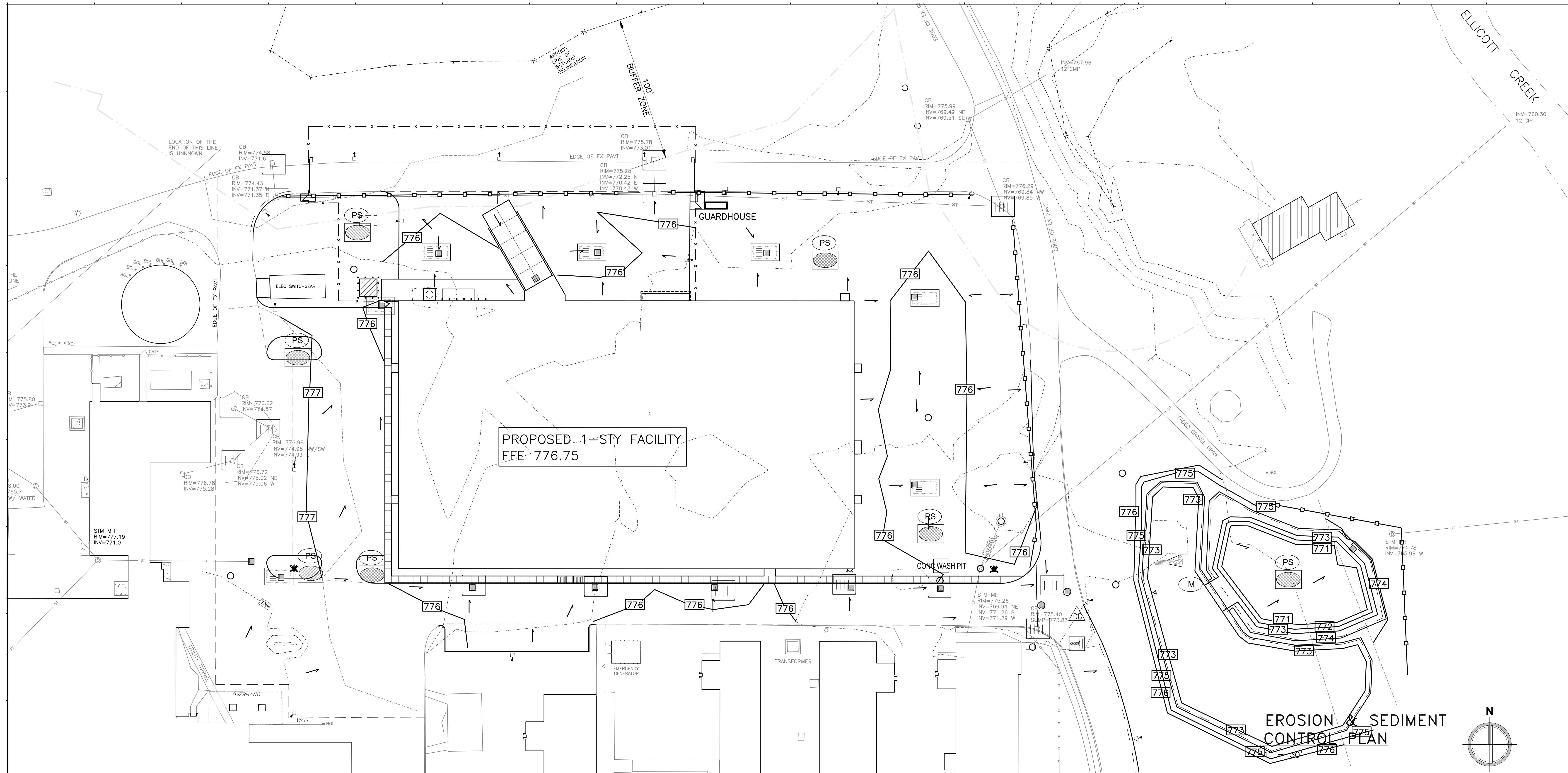
#	Date	Description
1	12/01/25	REVISED

Date: 10/10/25
Project Number: TAF 24003
Sheet Title:

PARTIAL SITE
UTILITIES &
DRAINAGE PLAN

Sheet Number:

C103



SEQUENCE OF OPERATIONS:

1. NOTIFY THE TOWN OF ALDEN (MS4) (24) HOURS PRIOR TO THE START OF OPERATIONS.
2. REMOVE BRUSH AND TREES FROM FROM AREAS TO BE STRIPPED. TREE STUMPS ARE TO BE REMOVED FROM THE SITE FOR DISPOSAL AT A SUITABLE DISPOSAL AREA.
3. INSTALL FABRIC SILT FENCE OR COMPOST FILTER SOCK WHERE SHOWN ON PLANS.
4. INSTALL ORANGE CONSTRUCTION FENCE AT EXTENTS OF WETLAND AREA TO REMAIN UNDISTURBED
5. STRIP TOPSOIL FROM LIMITED AREAS TO BE DISTURBED AND STOCKPILE AT DESIGNATED LOCATIONS.
6. CONSTRUCT TEMPORARY STABILIZED CONSTRUCTION ENTRANCE FROM EXISTING PAVED DRIVEWAY. INSTALL WHEEL WASH STATION IF REQUIRED TO MAINTAIN DRIVEWAY CLEANLINESS.
7. INSTALL STORM SEWERS AND CATCH BASINS AND DETENTION BASIN(S).
8. INSTALL DROP INLET AND PIPE END PROTECTIONS WHERE SHOWN.
9. GRADE AND SEED BARREN SOILS TO BE LEFT UNWORKED WITHIN 15-DAYS OF EXPOSURE, AND COVER w/ 2"thk STRAW MULCH.
10. EXCAVATE ROAD BOX AND BUILDING PAD AND INSTALL BUILDING FOUNDATIONS.
11. INSTALL COMPACTED LAYERS OF SUBBASE STONE OVER GEO-FABRIC IN SECTIONS TO COVER BARREN SOILS WITHIN 15-DAYS OF EXPOSURE. PHASE EXCAVATION AND BACKFILL TO LIMIT BARE SOIL EXPOSURE ACCORDINGLY.
12. INSTALL BIO-FILTER MEDIA IN PLANTERS, AND LANDSCAPING AFTER PAVT BINDER INSTALLED. INSTALL COMPOST FILTER SOCK UPSLOPE OF PLANTER UNTIL PLANTER BED STABILIZED
13. FINISH GRADE, TOPSOIL, SEED & MULCH DISTURBED AREAS. REMOVE REMAINING EROSION CONTROL MEASURES WHEN SITE IS PERMANENTLY STABILIZED.

GENERAL MAINTENANCE:

1. REFER TO PROJECT SWPPP MANUAL FOR OPERATIONS AND MAINTENANCE OF STORMWATER SYSTEMS SHOWN. OWNER SHALL MAINTAIN THE STORMWATER MANAGEMENT PLANS, FIELD REPORTS, AND SWPPP MANUAL FOR A PERIOD OF 5-YEARS FROM THE DATE OF SITE STABILIZATION, AT WHICH TIME THE OWNER SHALL ENGAGE A CERTIFIED EROSION CONTROL INSPECTOR TO PERFORM A SITE ASSESSMENT AND REPORT FOR REVIEW BY THE TOWNSHIP (MS4).
2. OWNER SHALL PROVIDE REGULAR MAINTENANCE AND CLEANING AS REQUIRED TO PREVENT MIS-OPERATION OF STORMWATER SYSTEMS.
3. SUMPS OF ALL DRAINAGE STRUCTURES SHALL BE CLEANED REGULARLY TO PREVENT ACCUMULATION OF SEDIMENTS AND DEBRIS.
4. LAWNS, INCLUDING WITHIN DRAINAGE SWALES AND BASINS, SHALL BE MOWED REGULARLY TO PREVENT TWIGGY GROWTH, EXCEPT IN BIO-PLANTER BEDS WHICH MAY BE LEFT TO THEMSELVES THRU THE GROWING SEASON AND/OR CUT 4-INCH TO 6-INCH HEIGHT WHEN DESIRED.
5. LAWN COVER SHALL BE MAINTAINED IN SPRING/SUMMER/ AUTUMN WITH BARREN SOILS PATCHED WITH TOPSOIL AND SEED AS NECESSARY.

**SOIL RESTORATION
SEQUENCE OF OPERATIONS:**

1. STRIP EXISTING TOPSOIL & STOCKPILE
2. ROUGH GRADE to -6" OF FINAL GRADE
3. APPLY 3-INCHES OF COMPOST OVER SUBSOIL
4. TILL COMPOST INTO SUBSOIL TO A MINIMUM DEPTH OF 12-INCHES
5. ROCK-PICK AND REMOVE MATERIAL > 4"
6. APPLY 6" MINIMUM TOPSOIL & SEED

LAWN SEED SCHEDULE

Mixtures		Rate per Acre (lbs)	Rate per 1,000 sq. ft. (lbs)
A.	Birdsfoot trefoil or lodi clover	8	0.20
	Tall fescue or smooth bromegrass	20	0.45
	Redtop	2	0.05
		30	0.70
OR			
B.	Kentucky bluegrass	25	0.60
	Creeping red fescue	20	0.50
	Perennial ryegrass	10	0.20
		55	1.30

EROSION CONTROL LEGEND

- SILT FENCE OR 12"DIA COMPOST FILTER SOCK STAKED-IN
- △ DC DUST CONTROL/WHEEL WASH STATION (IF REQUIRED)/CONC WASH PIT
- STABILIZED CONSTRUCTION ENTRANCE (EX PAVED DRIVEWAY)
- EXCAVATED DROP INLET PROTECTION
- 12"DIA COMPOST FILTER SOCK SURROUND INLET
- M MULCHING -2"thk STRAW OVER
- PS PERMANENT SEEDING
- TS TEMPORARY SEEDING
- SR SOIL RESTORATION -SEE NOTES THIS SHT.
- TOPSOILING
- LIGHT STONE RIP-RAP: 3"dp BED ON WEED FABRIC x 3'

RIP-RAP BED SIZE

PIPE DIA.	X	Y
≤15"	6'	9'
18", 12"	10'	13'
≥24"	12'	15'

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Project: Alden Green House

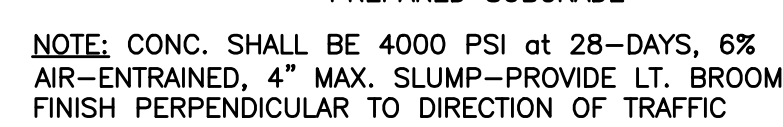
Project Address: 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

Drawing History: # Date Description

Date: 10/10/2025
Project Number: TAP 24003
Sheet Title:

**EROSION &
SEDIMENT
CONTROL PLAN**

Sheet Number: **C105**



1
2
5

TACK COAT BETWEEN COURSES (6)

1.5"
3"
16" MIN

GEOTEXTILE FABRIC (MIRA1 6001 OR APPROVED EQUIVALENT)

No. 2 CRUSHER RUN STONE (NYSDOT ITEM 304.12)

PREPARED SUBGRADE

1.5"

2.5"

12" MIN

GEOTEXTILE

GEOTEXTILE FABRIC (MIRAFLEX 60 OR APPROVED EQUIVALENT)

No. 2 CRUSHER RUN STONE (NYSDOT ITEM 304.12)

PREPARED SUBGRADE

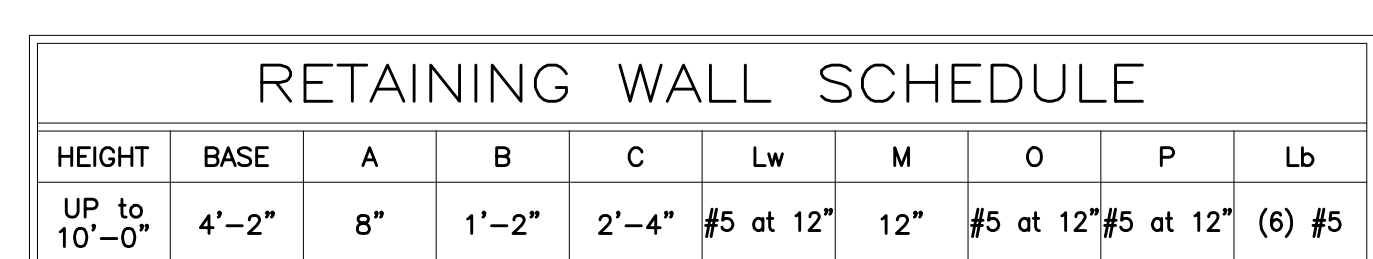
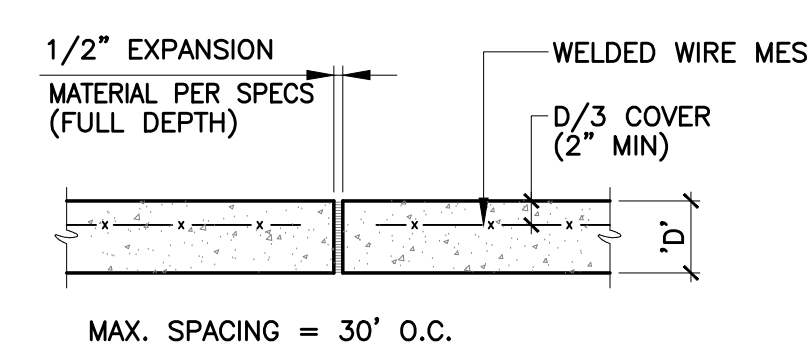
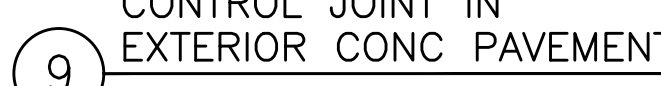
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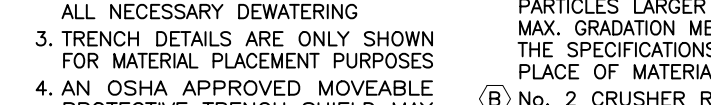
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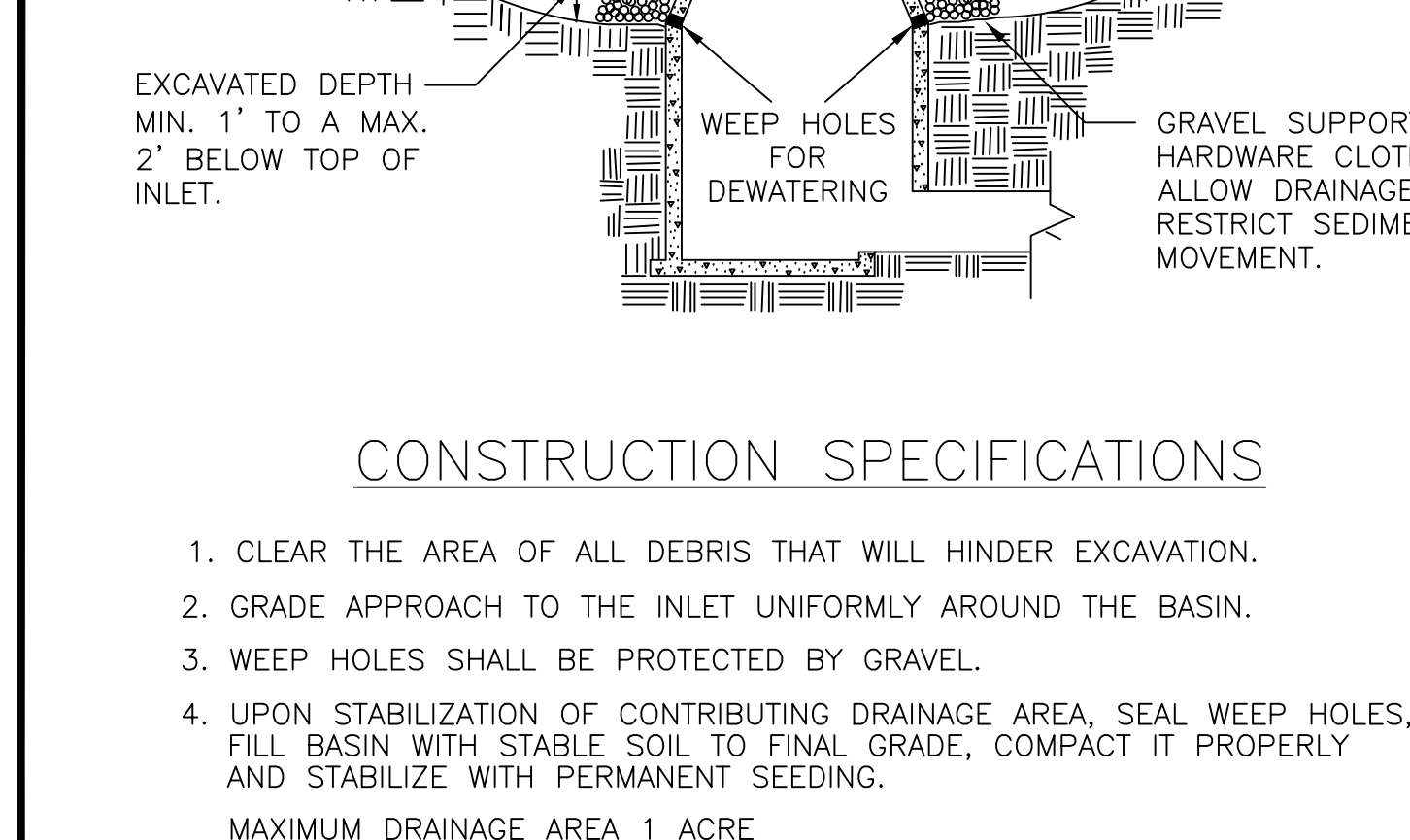
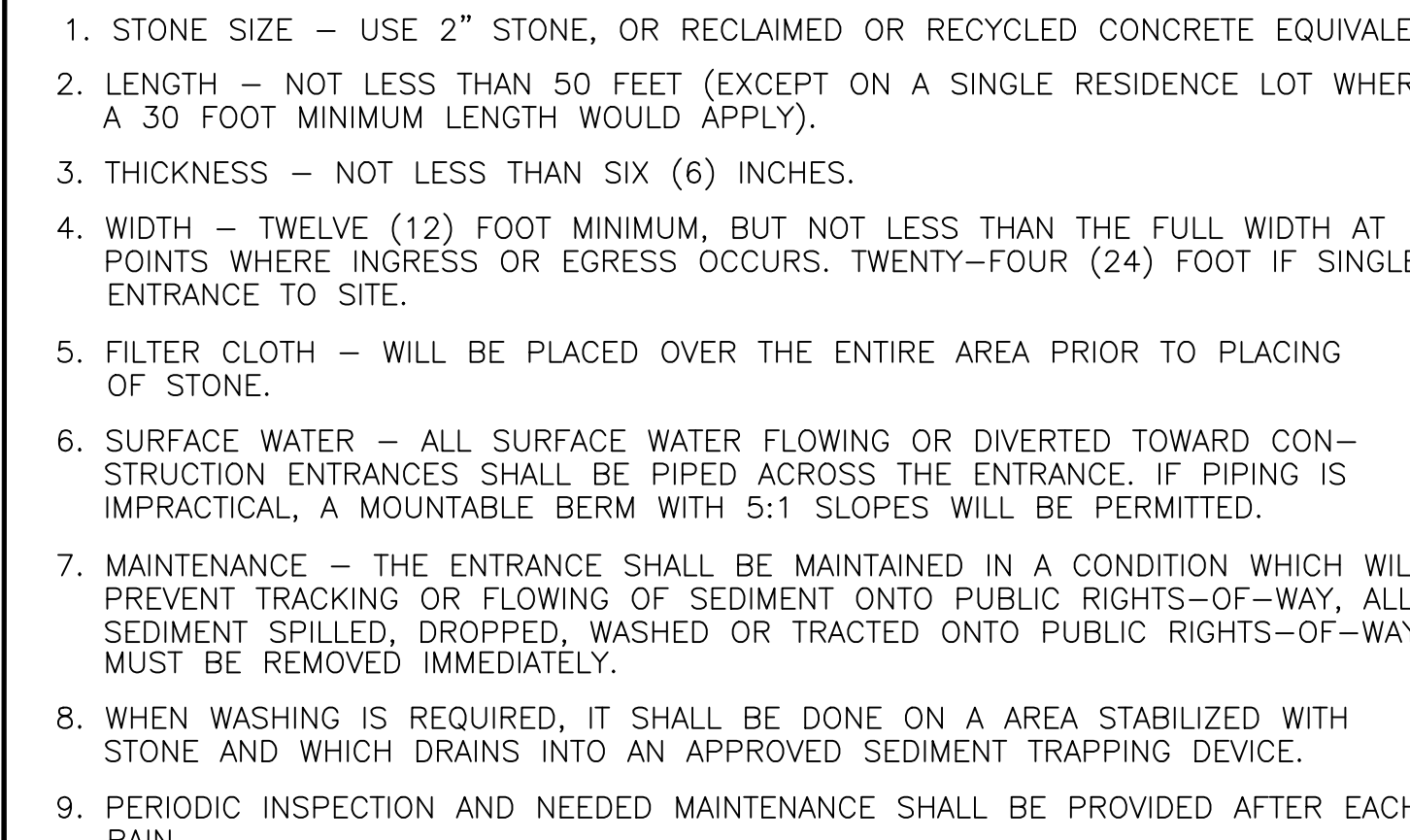
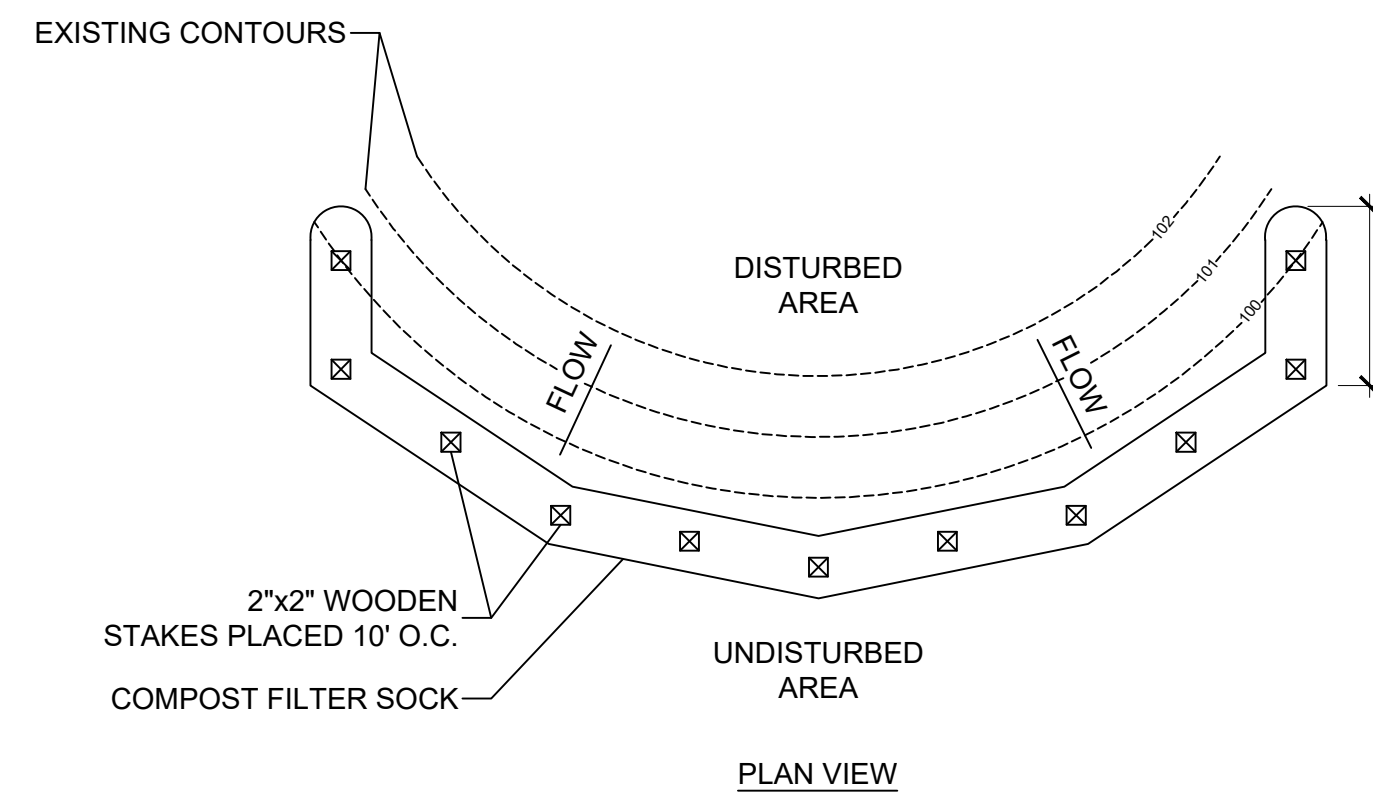
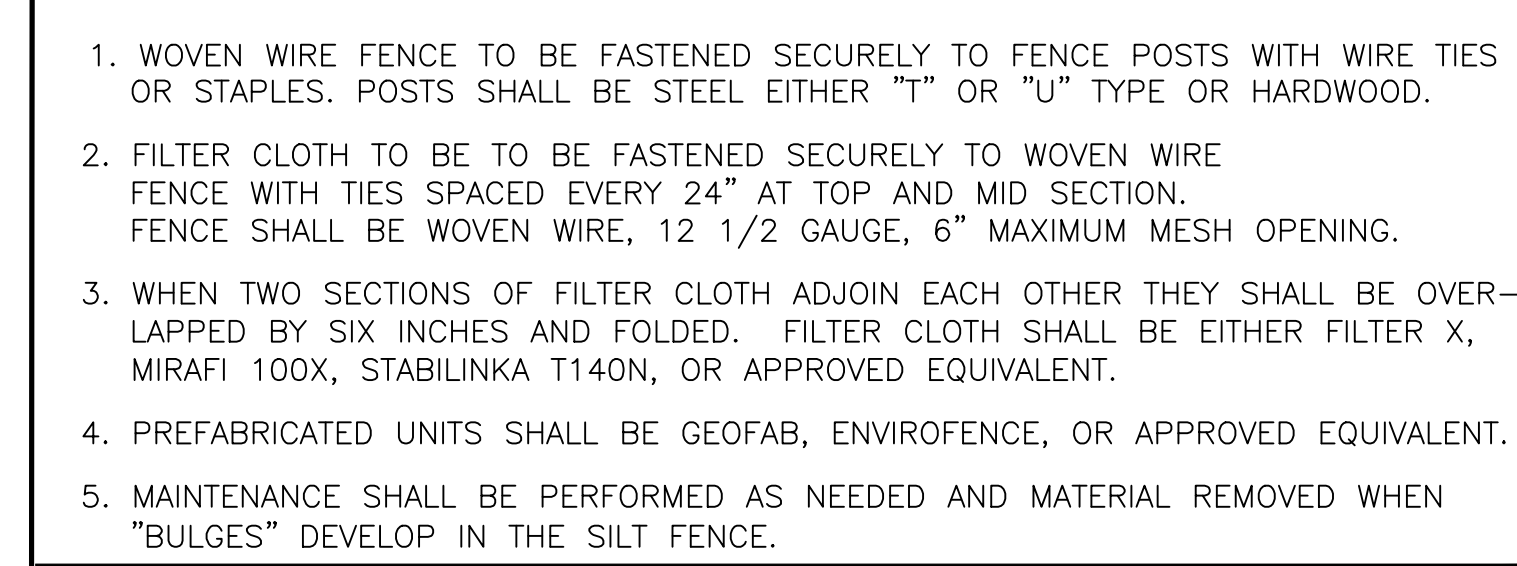
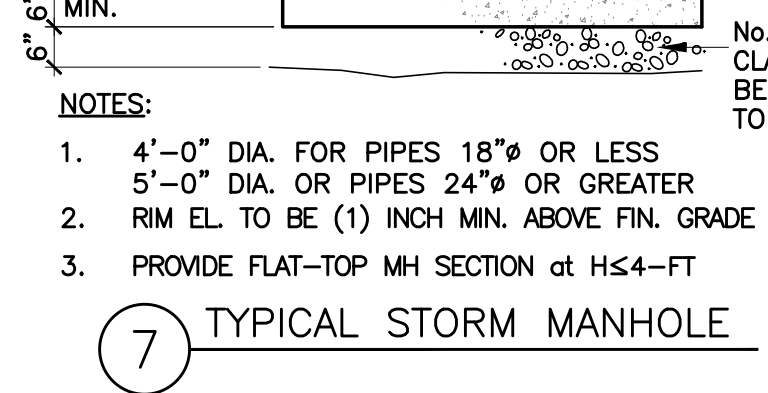
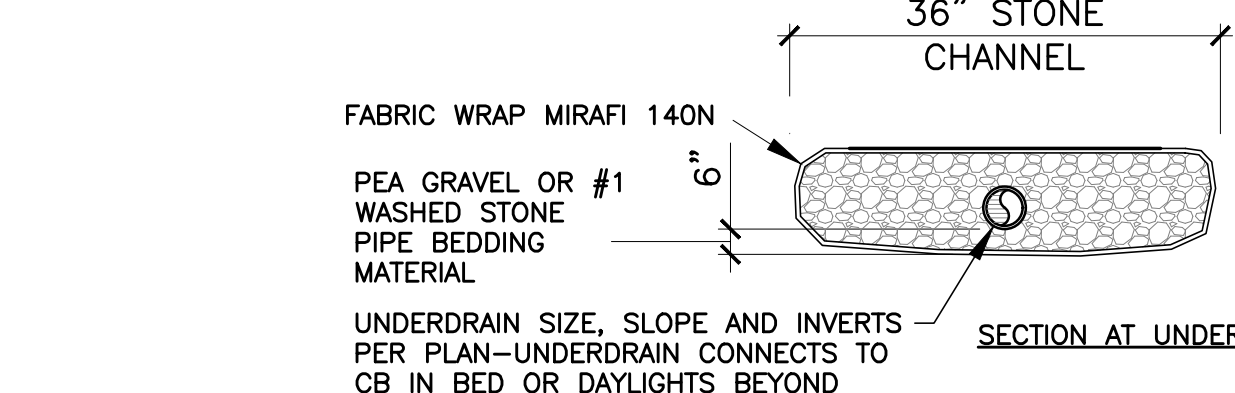
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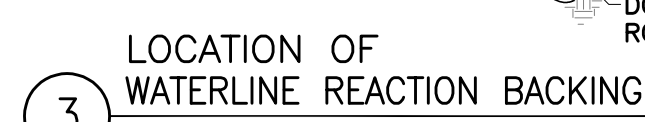
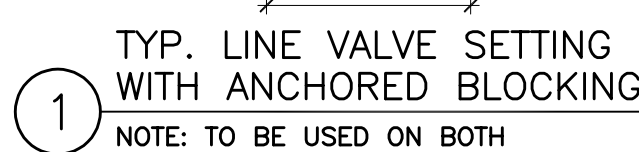
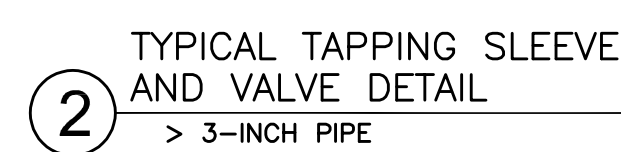
TACK COAT BETWEEN COURSES (6)



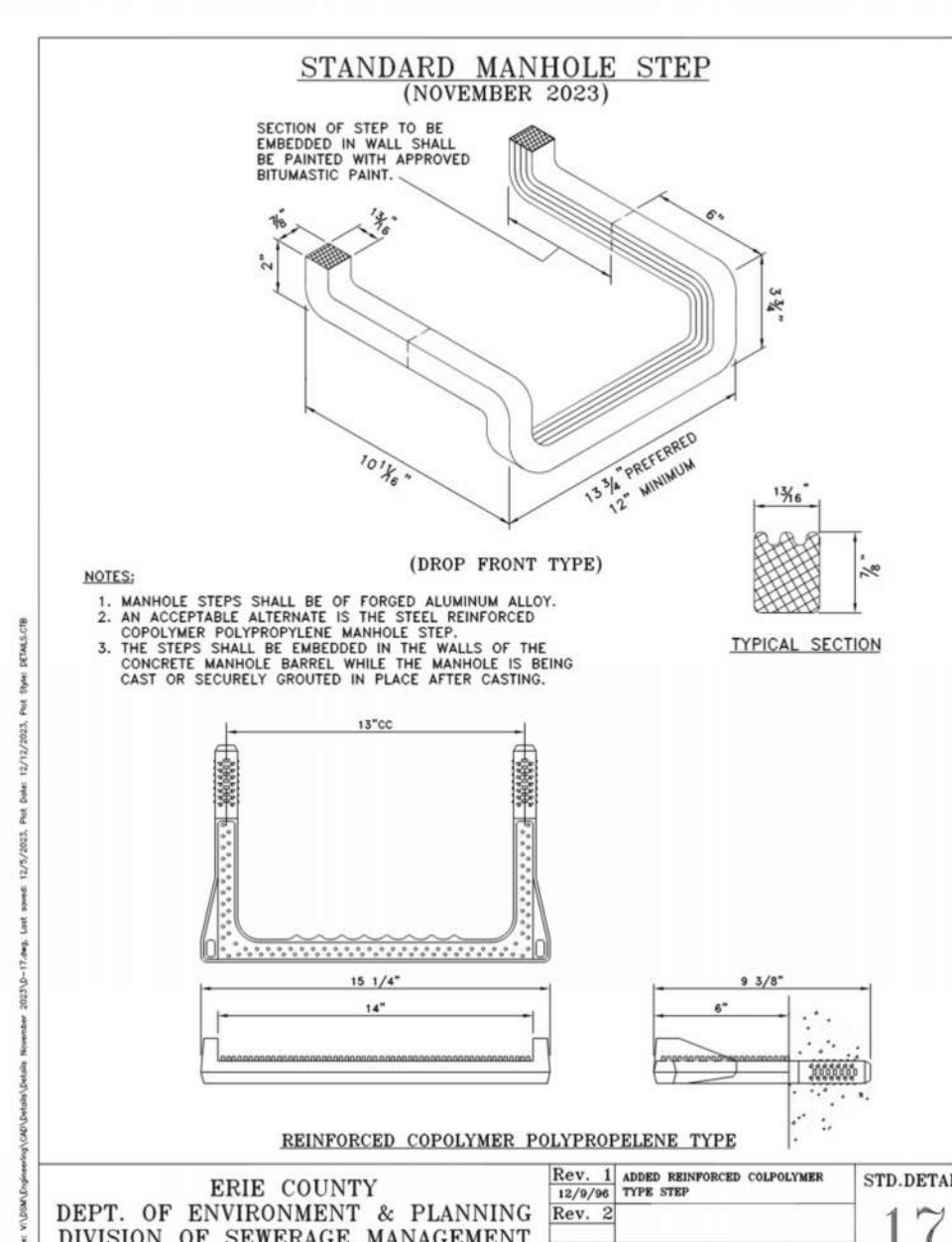
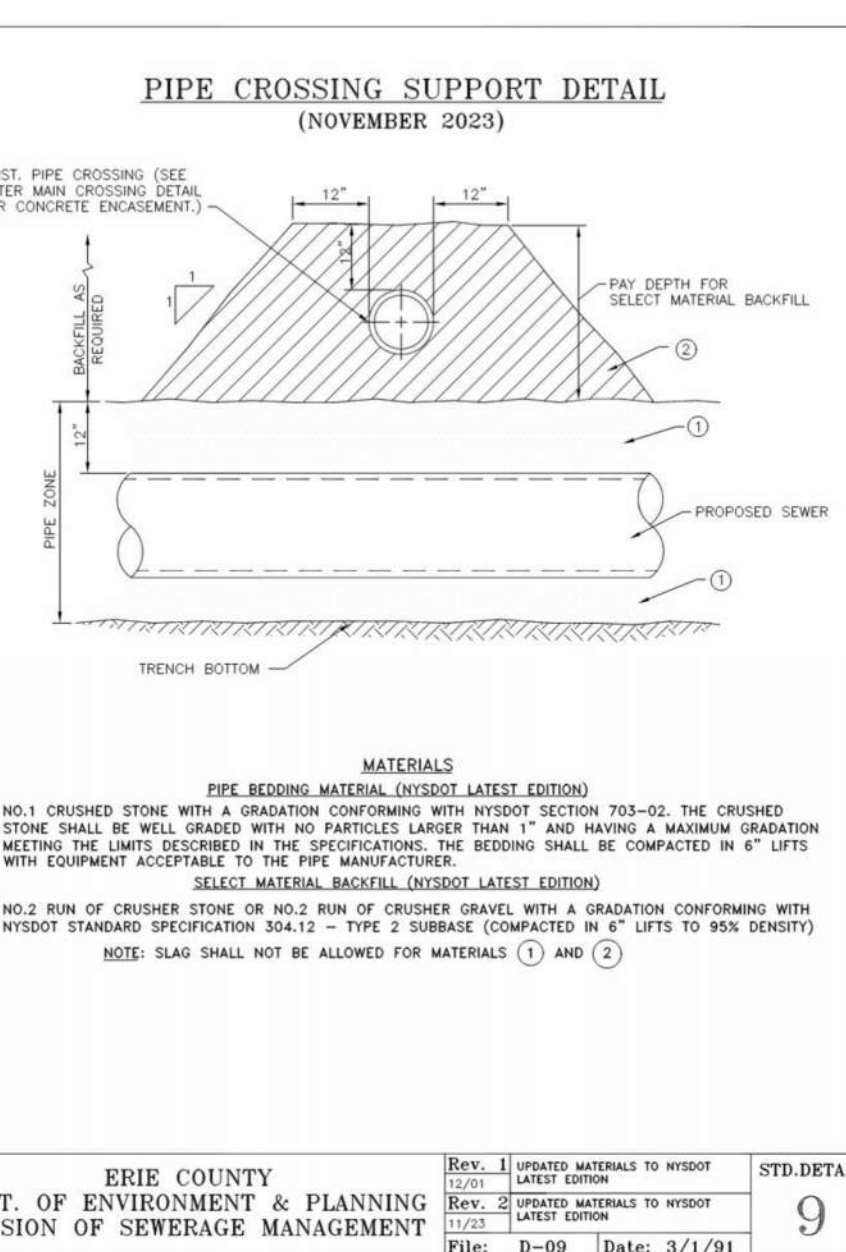
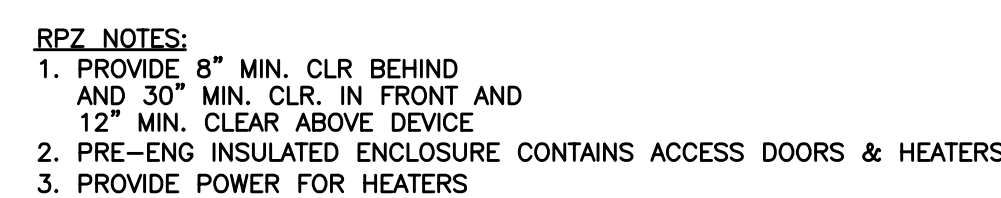


COMMON NAME, BOTANICAL NAME, PLIS, OZ
VIRGINIA WILD RYE ELYMUS VIRGINICUS 4.375
BIG BLUE STEM ANDPOOPOON GERARDI 3.125
BOTTLEBRUSH GRASS ELYMUS HYSTRIX 0.313
PRAIRIE CORN GRASS SPARGANIA PECTINATA 0.313
SHALLLOW SEDGE CAREX LURIDA 0.563
BLUNT BROWN SEDGE CAREX SCOPULORUM 0.438
SQUARROUSE SEDGE CAREX SQUARROSA 0.438
PATH RUSH JUNCUS TENUISS 0.188
WOOL GRASS SCIRPUS CYPERINUS 0.125
RATTLESNAKE GRASS GLYCERIA CANADENSIS 0.125
SMOOTH BEARD TONGUE PENSTEMON DIGITALIS 0.398
OHIO SPIDER WOOD TRIDACTENA OHIENSIS 0.195
SPIKED BLAZING STAR IATRIS SPICATA 1.073
OHIO ANTSLIPPER PEPLOPS
BONE SET EUPATORIUM PERFORIOLATUM 0.101
SEED BOX LUDWIGIA ALTERNIFOLIA 0.156
BLUE VERVAIN VERBENA HASTATA 0.369
SLENDER MOUNTAIN MINT PNYCNANTHEMUM TENUIFOLIUM 0.038
SWAMP MILKWEED ASCLEPIAS INCARNATA 0.188
SHOWY TICKSEED BIDENS ARISTATA 1.372
SNEEZEWEED HELENUM AUTUMNALE 0.176
MONKEY FLOWER MIMULUS RIVINUS 0.263
YELLOW WINGSTEM VERBESINA ALTERNIFOLIA 1.209
OUTLEAF CONEFLOWER RUBROCKIA LACINIATA 0.150
SPOTTED JOE PEE WYDE EUPATORIUM MACULATUM 0.075
NEW YORK IRONWEED VERNONIA NOVEBORACENSIS 0.150





1. ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW WATERLINE. COST SHALL BE INCLUDED IN THE PIPE PRICE.
2. WHEN CROSSING A SEWERLINE WITH A NEW WATERLINE, ONE FULL PIPE LENGTH (18 FEET MIN) SHALL BE USED AT THE POINT OF CROSSING. THE PIPE LINE SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWERLINE.



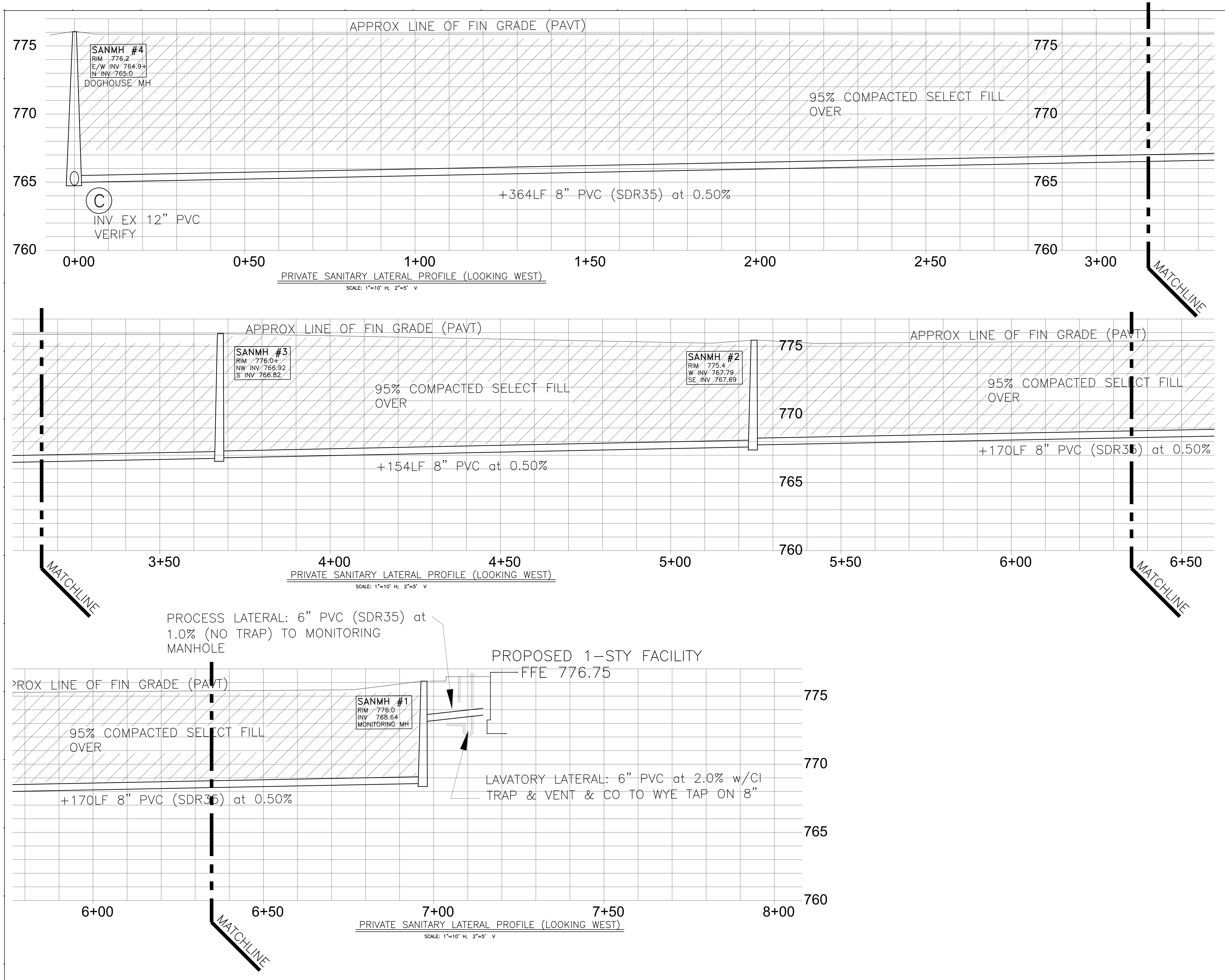
A "The contractor is advised a trench shall open and/or excavations designed in accordance with OSHA Standards shall be used all open trench shoring."

B "Any contractor and/or plumber working in a confined space (6" manholes, wetwells, chambers) owned by an Erie County Sewer District, must certify to the County that they have their own Confined Space Entry Program that meets or exceeds OSHA's regulations. Certification must be notarized by a notary public."

C "Construction shall conform to the Rules and Regulations for Erie County Sewer Districts."

D "If any proposed sewer lateral runs under paved area and has less than four (4) feet of cover, then concrete encasement is required. Attach Detail No. 616 plans. On site plans and profile hatchmark and/or label "concrete encasement" in affected area."

- G. If any proposed sewer lateral runs under paved areas and has **more** than four (4) feet of cover, then on site plan and profile hatchmark and label, "select fill required" in affected areas.
- H. The contractor must contact the District Office 48 hours in advance of construction.
- F. Vents must be installed six (6) inches above grade, in a grassy area with a mushroom cap. If the vent is in a road, on paved area, then protect with bollards (3 minimum).
- G. Cleanouts (c-o) are required every one hundred feet (100') and at change of direction.
- H. Abandonment survey sewer connections from the site, if any, require proof of a District Permit for Disconnection prior to the new connection being made.
- I. Euse of existing building sewerage shall conform to the Rules and Regulations for EUSD, Article III, Section 304



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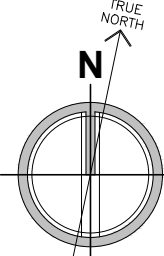
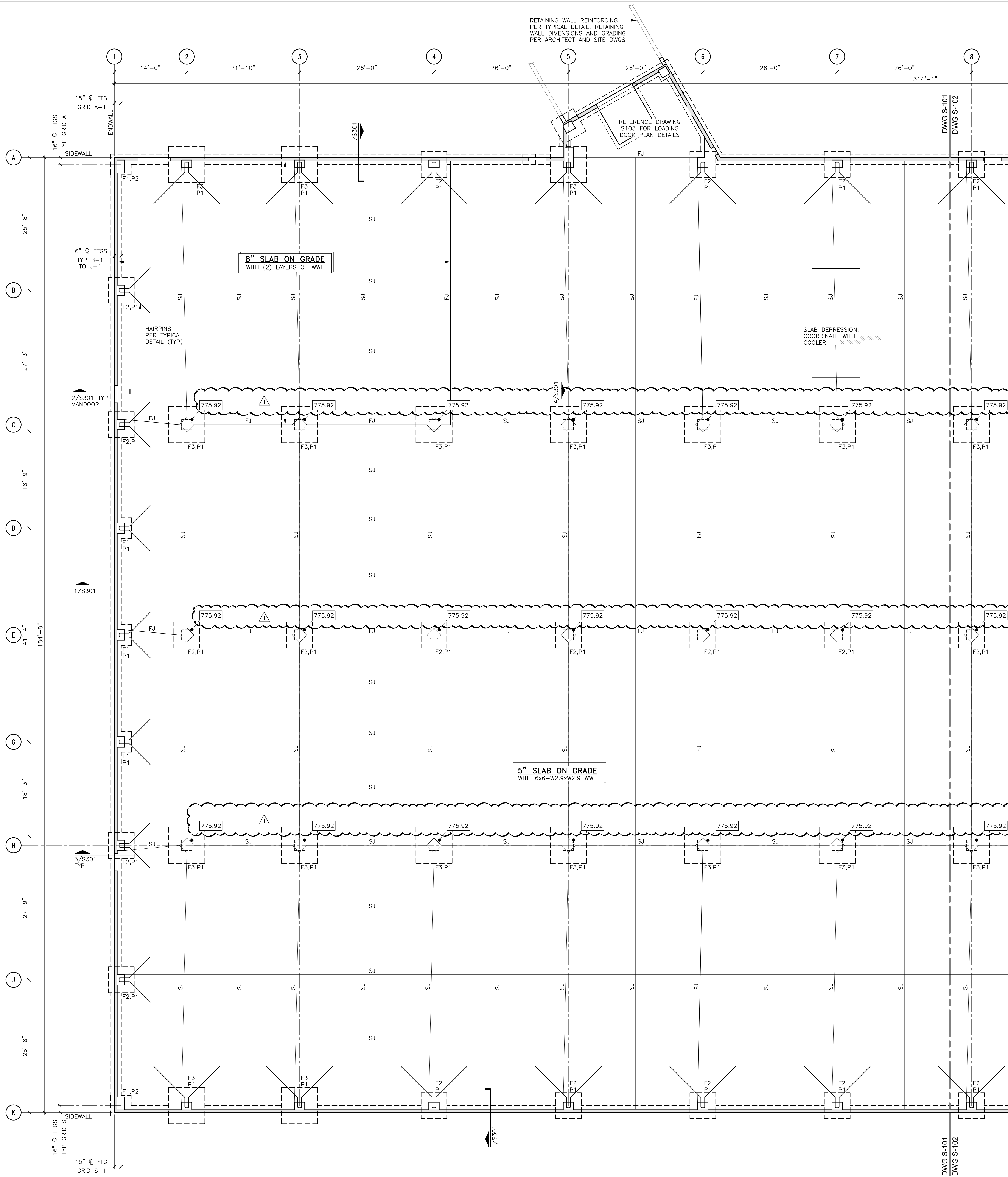
Project: Alden Green House

Project Address: 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

Drawing History: # Date Description

Date: 10/10/2025
Project Number: TAP 24003
Sheet Title: **SANITARY SEWER PROFILE**

Sheet Number: **C203**



FOUNDATION/FLOOR PLAN

- 1/8" = 1'-0"
1. TOP OF FINISHED FLOOR SLAB EL. 776.75'
UNION (+) OR (-) FROM EL. 776.75'
 2. INDICATES TOP OF CONCRETE FOUNDATION WALL EL. 777.42' (+8" A.F.F.)
 3. BOTTOM OF FOOTING EL. 771.75' (-5'-0")
UNLESS NOTED THUS:
 4. TOP OF COLUMN PIER EL. 776.75' (0'-0")
UNLESS NOTED THUS:
 5. SJ AND FJ INDICATE SLAB CONTROL JOINTS AS PER TYPICAL DETAILS
 6. FS INDICATES STEPPED WALL FOOTING AS PER TYPICAL DETAIL
 7. ADDITIONAL SLAB REINFORCING at PERIMETER PIERS NOT ILLUSTRATED ON PLAN: REF. TYPICAL DETAILS
 8. PREFABRICATED METAL BUILDING (PMB) STRUCTURE IS NOT DESIGNED BY TREDO ENGINEERS. PMB SHALL BE DESIGNED BY A CURRENTLY LICENSED PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF NEW YORK. PMB CONTRACTOR (PMB-C) SHALL SUBMIT STAMPED DRAWINGS AND CALCULATIONS FOR BUILDING DEPARTMENT REVIEW.
 9. FOUNDATION AND ANCHOR BOLT DESIGN AND LOCATION ARE BASED ON PRELIMINARY PMB MANUFACTURER'S DRAWINGS AND BASE REACTIONS, AND ARE SUBJECT TO CHANGE UPON RECEIPT OF FINAL STAMPED DRAWINGS AND CALCULATIONS. FOUNDATIONS INSTALLED PRIOR TO RECEIPT OF THESE DRAWINGS AND CALCULATIONS SHALL BE AT THE CONTRACTOR'S OWN RISK.
 10. INDICATES THICKENED SLAB PER TYPICAL DETAILS BENEATH STAIR LANDING OR CMU PARTITION; COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS
 11. INDICATES APPROXIMATE LOCATIONS OF UTILITY CROSSINGS. COORDINATE WITH CIVIL AND MEP DWGS: REFERENCE TYPICAL DETAIL ON DRAWING S-202

FOOTING SCHEDULE

MARK	SIZE			REINFORCING - TOP & BOTTOM EACH WAY (UON)	REMARKS
	w	L	t		
F1	4'-0"	4'-0"	1'-0"	#5 at 12" MAX	--
F2	5'-0"	5'-0"	1'-4"	#5 at 10" MAX	--
F3	7'-0"	7'-0"	1'-8"	#5 at 8" MAX	--

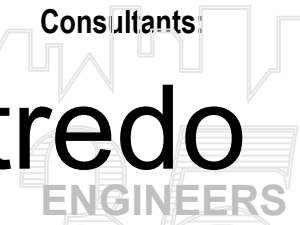
PIER SCHEDULE

MARK	SIZE		VERTICAL REINFORCING	TIES	TIE LAYOUT
	w	L			
P1	24"	24"	(8) #8	#4 at 10"	
P2	24"	36"	(10) #8	#4 at 10"	

PIER DIMENSIONS ARE FROM EXTERIOR FACE OF CONCRETE FOUNDATION at PERIMETER



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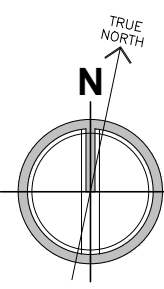
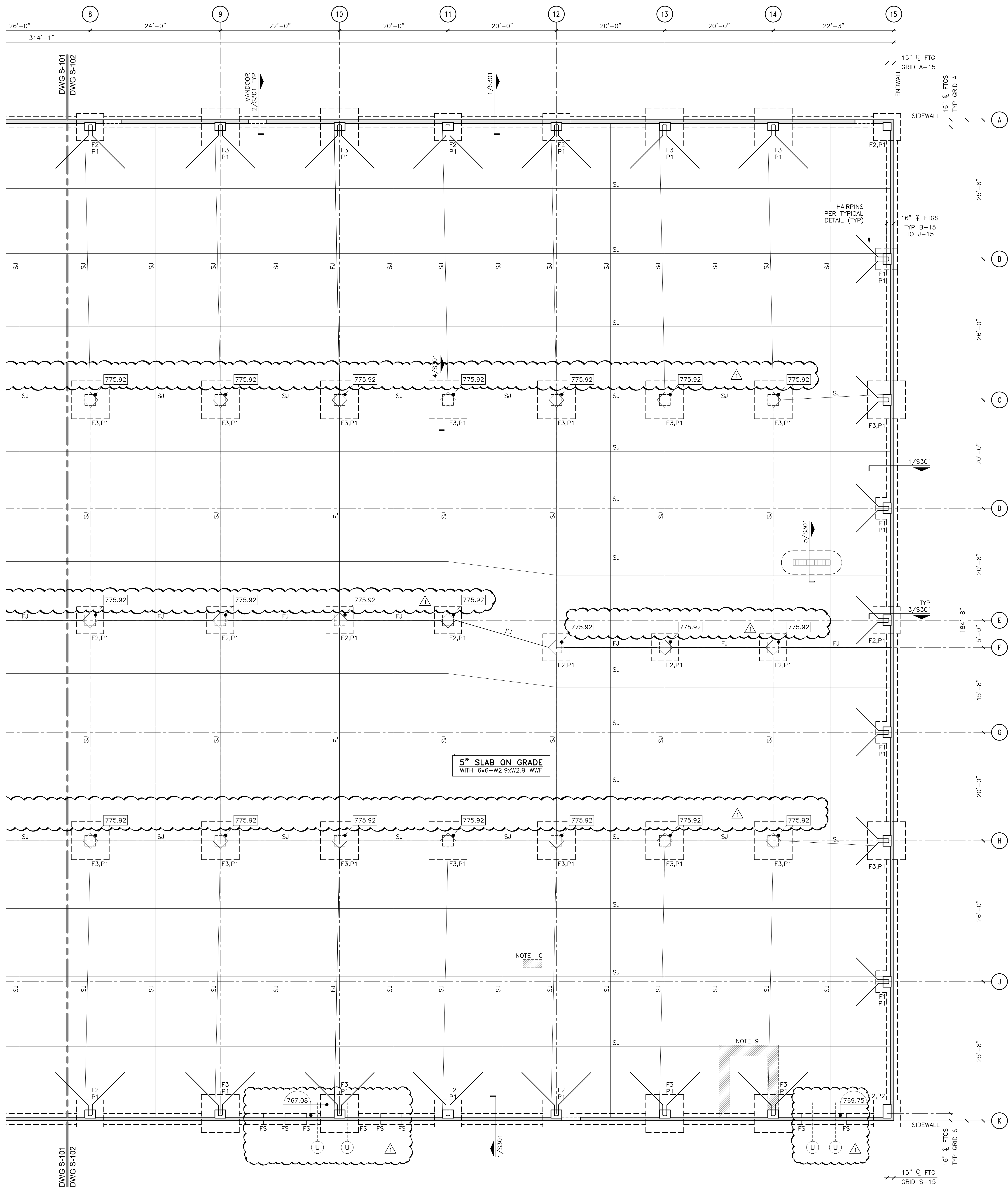
Project: Alden Grow House

Project Address: 11580 Walden Ave
Alden, NY

Drawing History: # Date Description
1 12/1/2025 Pre Bid Revisions

Project Status:

Date: 10.10.2025
Project Number: TAA# 24003 (T.E. Job #25-50)
Sheet Title: PARTIAL FOUNDATION / FLOOR PLAN



FOUNDATION/FLOOR PLAN

1. TOP OF FINISHED FLOOR SLAB EL. 776.75' (UON 1/4" OR 1" FROM EL. 776.75)
2. INDICATES TOP OF CONCRETE FOUNDATION WALL EL. 777.42' (+8" A.F.F.)
3. BOTTOM OF FOOTING EL. 771.75' (-5'-0") UNLESS NOTED THUS:
4. TOP OF COLUMN PIER EL. 776.75' (0'-0") UNLESS NOTED THUS:
5. SJ AND FJ INDICATE SLAB CONTROL JOINTS AS PER TYPICAL DETAILS
6. FS INDICATES STEPPED WALL FOOTING AS PER TYPICAL DETAIL
7. ADDITIONAL SLAB REINFORCING AT PERIMETER PIERS NOT ILLUSTRATED ON PLAN: REF. TYPICAL DETAILS
8. PREFABRICATED METAL BUILDING (PMB) STRUCTURE IS NOT DESIGNED BY TREDO ENGINEERS. PMB SHALL BE DESIGNED BY A CURRENTLY LICENSED PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF NEW YORK. PMB CONTRACTOR (PMB-C) SHALL SUBMIT STAMPED DRAWINGS AND CALCULATIONS FOR BUILDING DEPARTMENT REVIEW.
9. FOUNDATION AND ANCHOR BOLT DESIGN AND LOCATION ARE BASED ON PRELIMINARY PMB MANUFACTURER'S DRAWINGS AND BASE REACTIONS, AND ARE SUBJECT TO CHANGE UPON RECEIPT OF FINAL STAMPED DRAWINGS AND CALCULATIONS. FOUNDATIONS INSTALLED PRIOR TO RECEIPT OF THESE DRAWINGS AND CALCULATIONS SHALL BE AT THE CONTRACTOR'S OWN RISK.
10. INDICATES THICKENED SLAB PER TYPICAL DETAILS BENEATH STAIR LANDING OR CMU PARTITION: COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS
11. INDICATES APPROXIMATE LOCATIONS OF UTILITY CROSSINGS. COORDINATE WITH CIVIL AND MEP DWGS: REFERENCE TYPICAL DETAIL ON DRAWING S-202

FOOTING SCHEDULE

MARK	SIZE			REINFORCING - TOP & BOTTOM EACH WAY (UON)	REMARKS
	W	L	t		
F1	4'-0"	4'-0"	1'-0"	#5 at 12" MAX	--
F2	5'-0"	5'-0"	1'-4"	#5 at 10" MAX	--
F3	7'-0"	7'-0"	1'-8"	#5 at 8" MAX	--

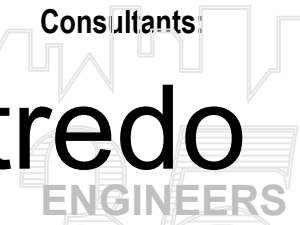
PIER SCHEDULE

MARK	SIZE		VERTICAL REINFORCING	TIES	TIE LAYOUT
	W	L			
P1	24"	24"	(8) #8	#4 at 10"	
P2	24"	36"	(10) #8	#4 at 10"	

PIER DIMENSIONS ARE FROM EXTERIOR FACE OF CONCRETE FOUNDATION AT PERIMETER



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Client: 11580 Walden Ave
LLC

Project: Alden Grow House

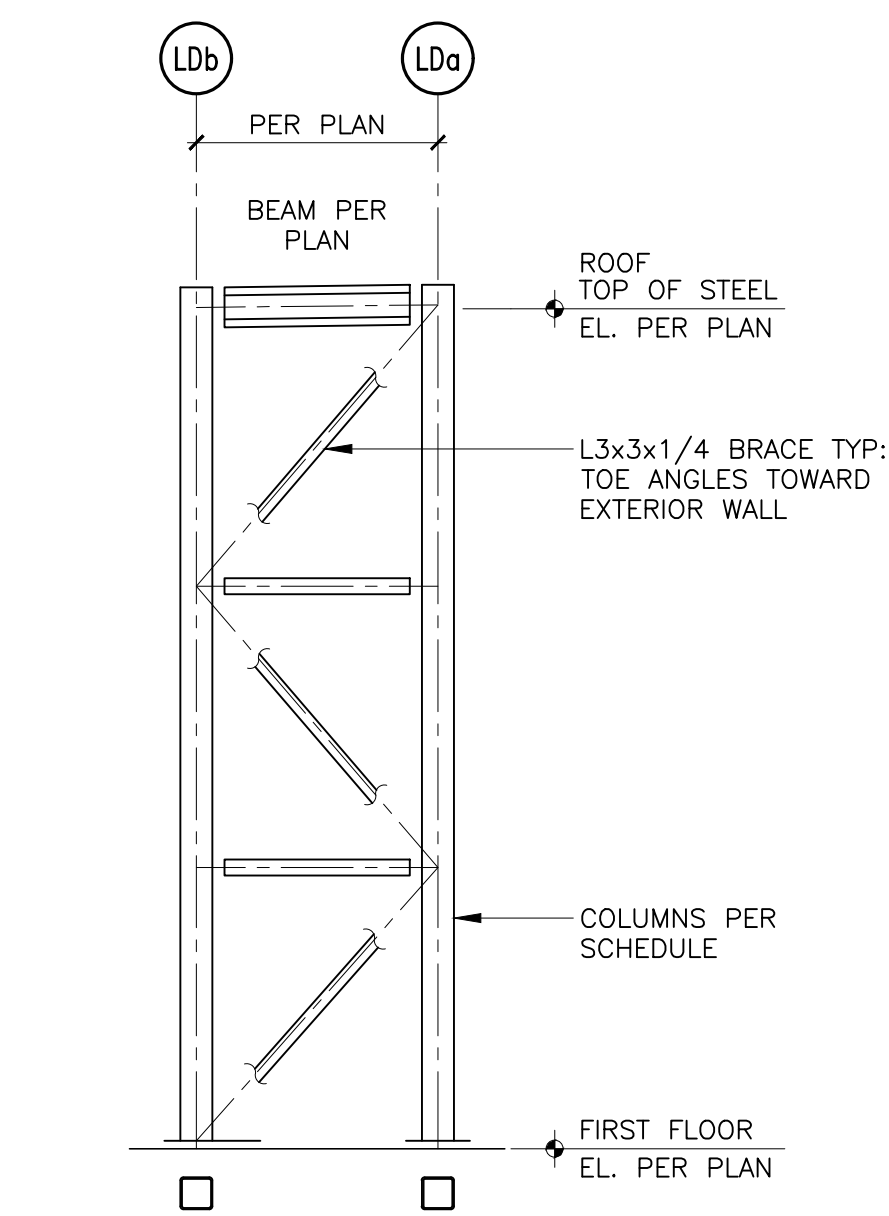
Project Address: 11580 Walden Ave
Alden, NY

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1 12/1/2025 Pre Bid Revisions

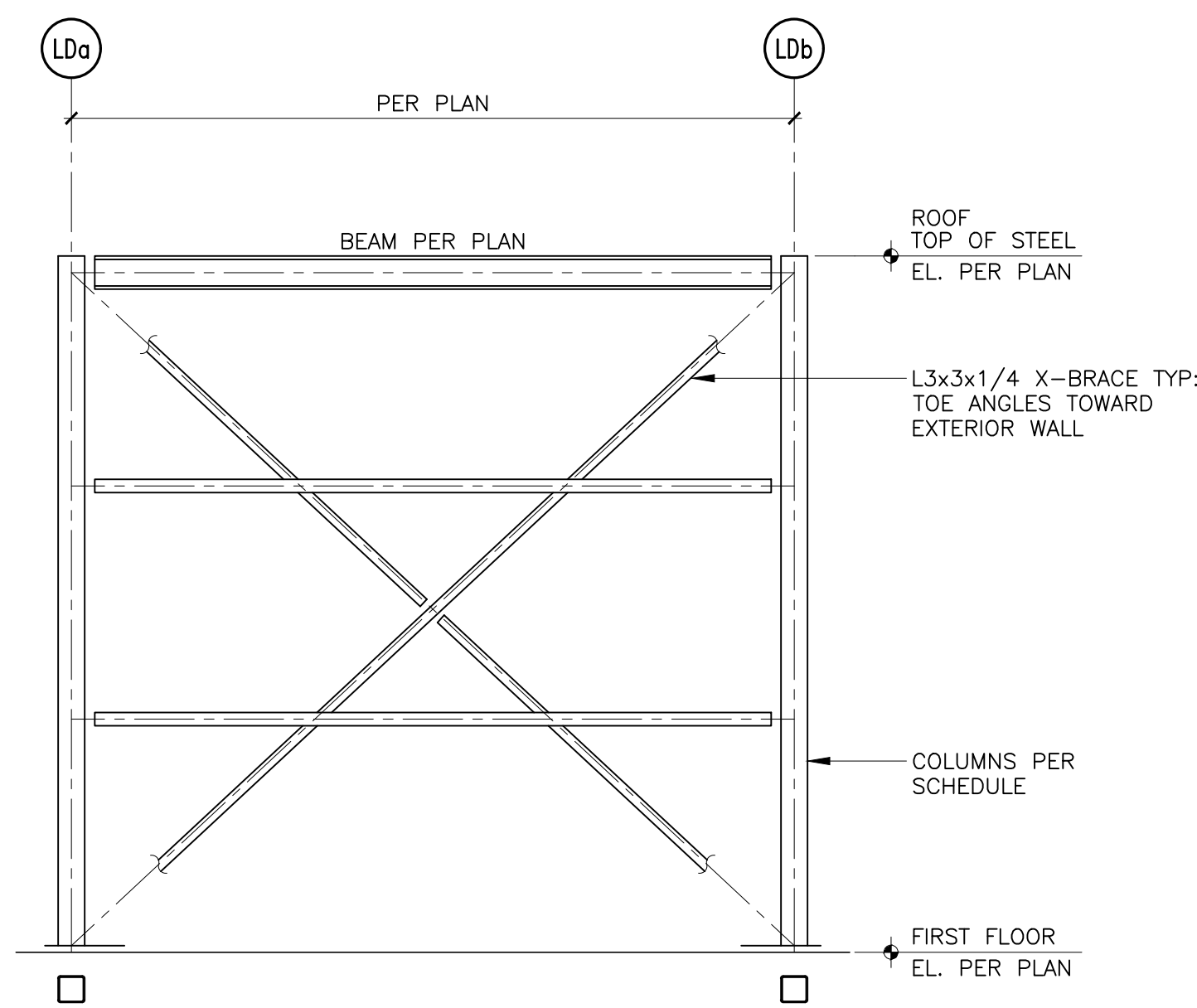
Project Status:

Date: 10.10.2025
Project Number: TAE# 24093 (T.E. Job #25-50)
Sheet Title: PARTIAL FOUNDATION / FLOOR PLAN

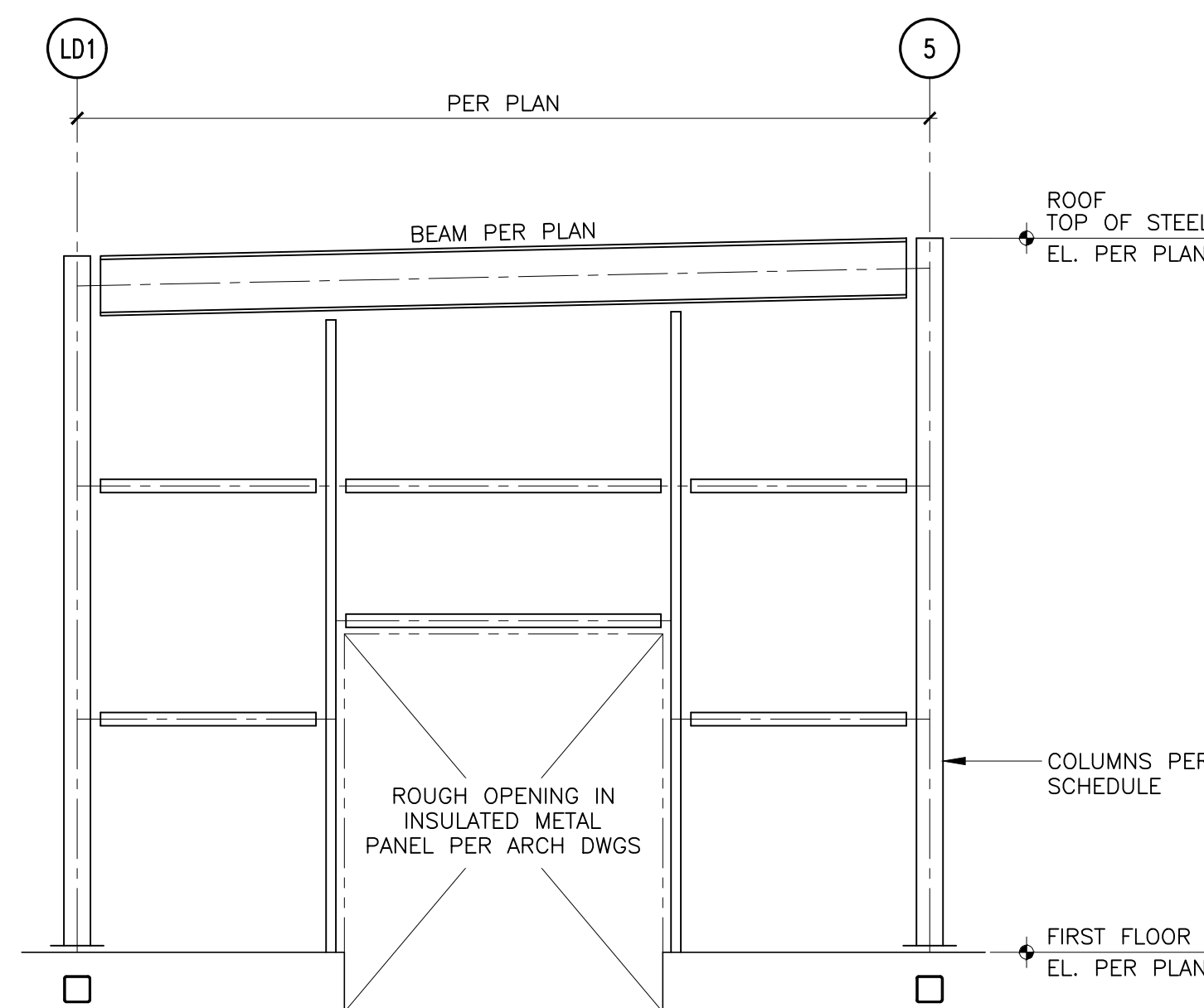
Sheet Number: S102



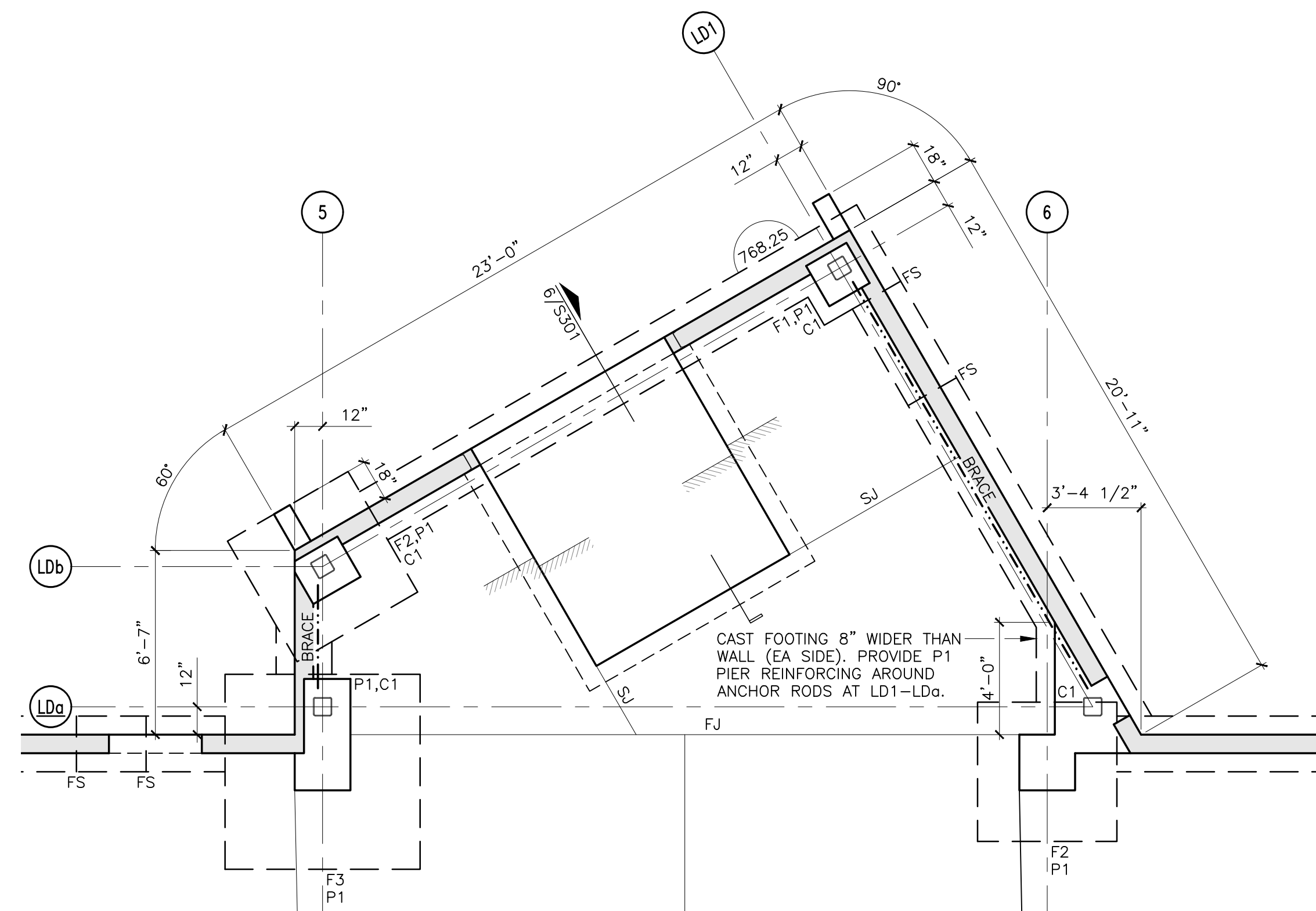
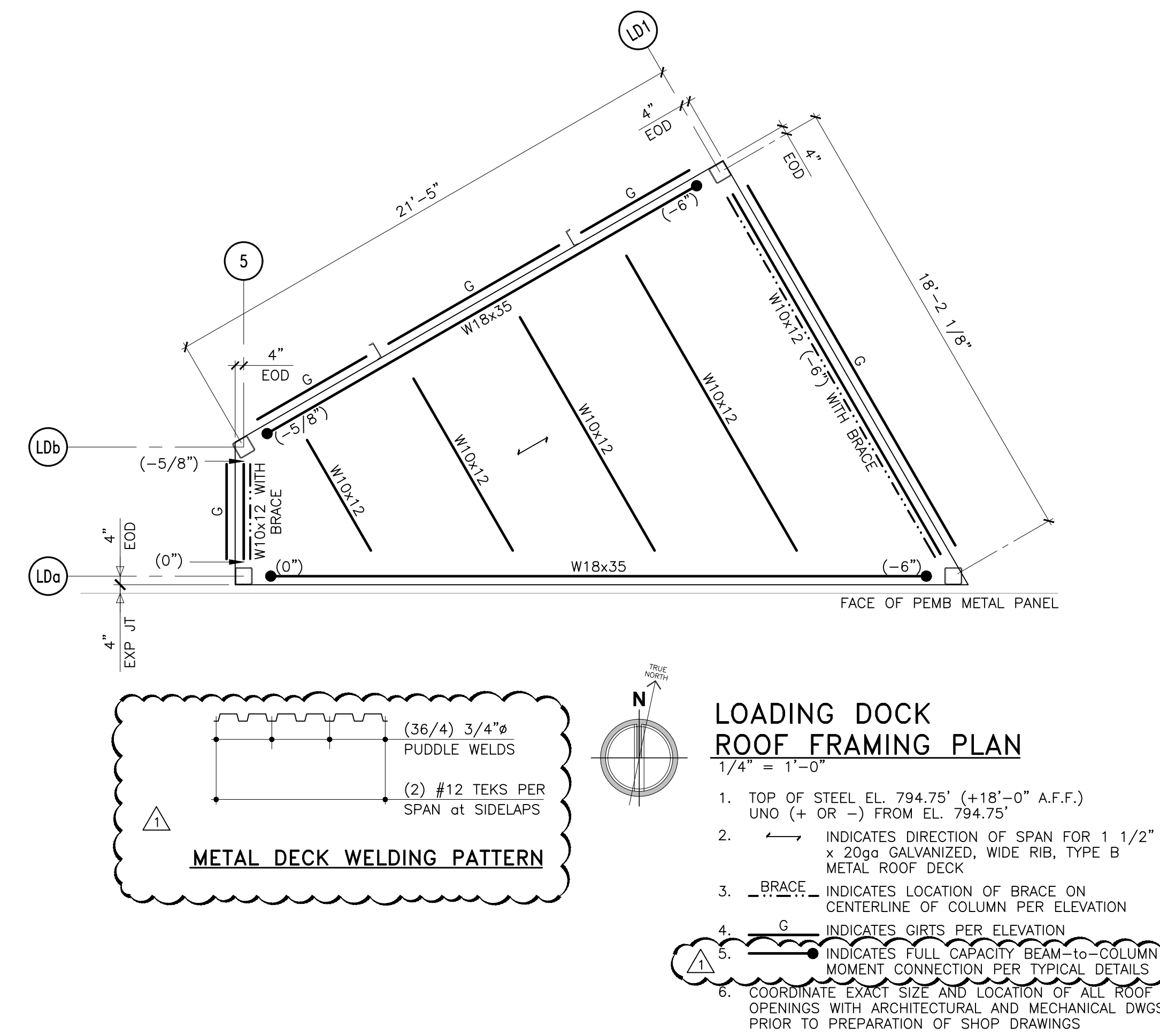
3 BRACE AND GIRT ELEVATION
1/4" = 1'-0" at GRID 5



2 BRACE AND GIRT ELEVATION
1/4" = 1'-0" at GRID LD1



1 GIRT AND WIND POST ELEVATION
1/4" = 1'-0" at GRID LD1



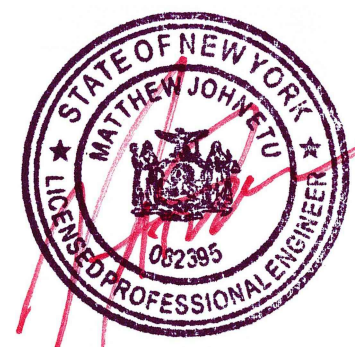
FOOTING SCHEDULE				
MARK	SIZE		REINFORCING - TOP & BOTTOM EACH WAY (UON)	REMARKS
	W	L	t	
F1	4'-0"	4'-0"	1'-0"	#5 at 12" MAX --
F2	5'-0"	5'-0"	1'-4"	#5 at 10" MAX --
F3	7'-0"	7'-0"	1'-8"	#5 at 8" MAX --

PIER SCHEDULE					
MARK	SIZE		VERTICAL REINFORCING	TIES	TIE LAYOUT
	W	L			
P1	24"	24"	(8) #8	#4 at 10"	
P2	24"	36"	(10) #8	#4 at 10"	

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	GR. 36 ANC. RODS	REMARKS
C1	HSS8x8x1/4	14x14x3/4"	(4) 3/4"	--

- LOADING DOCK FOUNDATION/FLOOR PLAN
1/4" = 1'-0"
- TOP OF FINISHED FLOOR SLAB EL. 776.75' UNO (+ OR -) FROM EL. 776.75'
 - BOTTOM OF FOOTING EL. 773.25' (-3'-6") UNLESS NOTED THUS: [Symbol]
 - TOP OF COLUMN PIER EL. 776.75' (0'-0") UNLESS NOTED THUS: [Symbol]
 - SLAB ON GRADE TO BE 5"thk REINFORCED WITH 6x6-W2.9xW2.9 WWF
 - SJ AND FJ INDICATE SLAB CONTROL JOINTS AS PER TYPICAL DETAILS
 - FS INDICATES STEPPED WALL FOOTING AS PER TYPICAL DETAILS
 - BRACE - INDICATES LOCATION OF BRACE ON CENTERLINE OF COLUMN PER ELEVATION
 - ADDITIONAL SLAB REINFORCING AT PERIMETER PIERS NOT ILLUSTRATED ON PLAN: REF. TYPICAL DETAILS

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Client: 11580 Walden Ave LLC

Project: Alden Grow House

Project Address: 11580 Walden Ave
Alden, NY

Drawing History: # Date Description
1 12/1/2025 Pre Bid Revisions

Project Status:

Date: 10.10.2025
Project Number: T4#24003 (T.E. Job #25-50)
Sheet Title: **LOADING DOCK PLANS and BRACE ELEVATIONS**

Sheet Number: **S103**

FOUNDATIONS		REINFORCING		POST-INSTALLED ANCHORS		MISCELLANEOUS	
F1	IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN NOT LESS THAN FOUR FEET BELOW FINISHED EXTERIOR GRADE.	R1	ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM 615, GRADE 60.	P11	EXCEPT WHERE INDICATED ON THE DRAWINGS, POST INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AND INSTALLED IN ACCORDANCE WITH THEIR RESPECTIVE ICC-ES REPORT AND MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.	M1	CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB. VERIFICATION OF EXISTING DIMENSIONS AND CONDITIONS SHALL BE DONE PRIOR TO PREPARATION OF SHOP DRAWINGS.
F2	ALL SOIL SUPPORTED FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SUBGRADE MATERIAL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 4.0 KIPS PER SQUARE FOOT (1 KIP = 1000 LBS.), PER THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION AND REPORT PREPARED BY WHITESTONE ASSOCIATES, INC. DATED SEPTEMBER 5, 2025.	R2	WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.			M2	ALL OPENINGS THROUGH SLABS AND WALLS ARE NOT SHOWN. PROVIDE UNIT PRICES FOR ADDITIONAL FRAMING AND REINFORCING.
F3	NO FOOTINGS OR SLABS SHALL BE PLACED IN WATER OR ON FROZEN GROUND.					M3	CONSULT THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
F4	ALL FOOTING EXCAVATIONS ARE TO BE FINISHED BY HAND. COMPACT FOOTING SUBGRADES TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT. PLACE FOOTING CONCRETE SAME DAY OF EXCAVATION OR PROTECT SUBGRADE BY IMMEDIATELY PLACING A 3-INCH LEAN CONCRETE MUD MAT.					M4	ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE OF NEW YORK STATE, THE AISC CODE, THE ACI BUILDING CODE (ACI 318, ACI 530), THE AMERICAN WELDING SOCIETY CODE AND ALL OTHER APPLICABLE ASTM STANDARDS. IN CASES OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
F5	ALL FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE OWNER'S SOIL TESTING AGENCY BEFORE ANY CONCRETE IS PLACED.					M5	TYPICAL DETAILS APPLY TO ALL DRAWINGS AND SHALL BE USED EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
F6	ALL STRUCTURAL FILL UNDER ANY PORTION OF THE BUILDING SHALL BE COMPACTED IN 8-INCH LIFTS. SEE SPECIFICATIONS FOR THE ACCEPTABLE GRADATIONS AND COMPACTION REQUIREMENTS.					DESIGN LOADS	
F7	THE ARCHITECT/ENGINEER ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS, TEST BORINGS OR TEST PITS. THESE DATA REPRESENT CONDITIONS ONLY AT THESE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.					COMMONS AREAS, STAIRS, AND LOBBIES 100 PSF	
F8	BACKFILL AGAINST FOUNDATION WALLS BELOW GRADE SO THAT THE DIFFERENCE IN FILL LEVEL ON OPPOSITE SIDES DOES NOT EXCEED 1.0" AT ANY TIME.					OFFICE AREAS 50 PSF	
F9	ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATION OF BACKFILLING AND COMPACTION. BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS ARE EFFECTIVE. BACKFILL NO FOUNDATION WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF ADEQUATE STRENGTH TO WITHSTAND THE APPLIED LATERAL PRESSURES.					MECHANICAL AREAS 150 PSF	
F10	NOTE REQUIREMENTS IN PLANS AND SPECIFICATIONS FOR UNDERPINNING AND PROTECTION OF ADJACENT STRUCTURES.					ELECTRICAL CLOSETS 100 PSF	
F11	LOCATE ALL EXISTING BELOW GRADE UTILITIES. PROVIDE UTILITIES WITH POSITIVE PROTECTION AGAINST DAMAGE DUE TO SETTLEMENT AND CONSTRUCTION OPERATIONS.					CEILING 5 PSF	
F12	USE SIDE FORMS FOR ALL FOOTINGS, PIERS, AND WALLS.					MECHANICAL ITEMS SUSPENDED FROM STRUCTURAL FRAMING 5 PSF	
F13	THE SUB-BASE FOR THE SLAB ON GRADE SHALL BE AS DETAILED ON THE DRAWINGS, PLACED AND COMPACTED IN LOOSE LAYERS NOT EXCEEDING 8 INCHES IN THICKNESS, TO 95% OF MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.					ROOF SNOW LOAD	
F14	THE EXPOSED SUBGRADE SOILS MAY BE SENSITIVE TO DISTURBANCE AND STRENGTH DEGRADATION WHEN HIGH MOISTURE CONTENTS ARE PRESENT. MINIMIZE CONSTRUCTION TRAFFIC OVER EXPOSED SUBGRADES AND DO NOT ALLOW WATER TO POND ON THESE SUBGRADES. CONTROL SURFACE AND GROUND WATER BY PROPER SITE GRADING, SURFACE DRAINAGE CHANNELS, PERIMETER CUTOFF TRENCHES AND SUMP PUMP METHODS UNTIL GROUND FLOOR SLABS, PERIMETER WALLS AND WATERPROOFING ARE INSTALLED AND THE PERMANENT BUILDING DRAINAGE SYSTEM IS FULLY OPERATIONAL.					GROUND SNOW LOAD, Pg = 50 PSF SNOW EXPOSURE FACTOR, Ce = 1.00 SNOW LOAD IMPORTANCE FACTOR, Is = 1.00 THERMAL FACTOR, Ct = 1.00 FLAT ROOF SNOW LOAD, P1 = 35 PSF	
F15	RETAIN THE PERIMETER OF THE GENERAL EXCAVATION WHERE NECESSARY AND AS RECOMMENDED BY THE OWNER'S SOILS TESTING AGENCY. THE DESIGN, INSTALLATION, MAINTENANCE AND REMOVAL ARE THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT AND MINIMIZE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE THE PROJECT LIMITS.					WIND LOAD	
F16	SEE SPECIFICATION SECTION 312000 - EARTH MOVING FOR ADDITIONAL REQUIREMENTS.					ULTIMATE DESIGN WIND SPEED 109 MPH RISK CATEGORY II WIND EXPOSURE C APPLICABLE INTERNAL PRESSURE COEFFICIENT +/-0.18 COMPONENTS AND CLADDING BY PEMB MNFR	
CONCRETE		STRUCTURAL STEEL				SEISMIC LOAD	
C1	ALL CONCRETE SHALL BE CONTROLLED CONCRETE.	S1	A QUALITY CONTROL PROGRAM OF SHOP AND FIELD TESTING AND INSPECTION WILL BE PERFORMED ON ALL STRUCTURAL STEEL FABRICATION, ERECTION AND CONNECTIONS IN ACCORDANCE WITH THE SPECIFICATIONS.	P15	THE DESIGN OF STRAIGHT POST-INSTALLED REINFORCING BARS TO CONCRETE MUST BE PERFORMED PER THE DEVELOPMENT AND SPlice REQUIREMENTS OF ACI 318. THE POST-INSTALLED REINFORCING BAR SYSTEM IS AN ALTERNATIVE TO CAST-IN-PLACE REINFORCING BARS GOVERNED BY ACI 318 AND BONY'S CHAPTER 19. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO USE. CONTRACTOR MUST PROVIDE SIGNED AND SEALED CALCULATIONS SEALED BY PROFESSIONAL ENGINEER. THE EPOXY SYSTEM MUST BE TESTED IN ACCORDANCE WITH THE ICC-ES ACCEPTANCE CRITERIA FOR POST-INSTALLED EPOXY ANCHORS IN CONCRETE ELEMENTS (AC308), TABLE 3.8. TECHNICAL DATA MUST BE PUBLISHED IN AN ICC-ES EVALUATION SERVICE REPORT SHOWING COMPLIANCE WITH IBC.	RISK CATEGORY II SEISMIC IMPORTANCE FACTOR, Ie = 1.00 MAPPED SPECTRAL RESPONSE COEFFICIENTS Ss= 0.190 S1= 0.074	
C2	A QUALITY CONTROL PROGRAM OF FIELD TESTING AND INSPECTION SHALL BE PERFORMED ON ALL STRUCTURAL CONCRETE WORK IN ACCORDANCE WITH THE SPECIFICATIONS.	S2	DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE AISC SPECIFICATIONS AND CODES, LATEST EDITIONS.	P16	CONTINUOUSLY THREADED CARBON STEEL ANCHOR ELEMENTS MUST BE HILTI ASTM F1554 COMPLIANT UNLESS NOTED OTHERWISE.	DESIGN SPECTRAL RESPONSE COEFFICIENTS Sds= 0.2027 SD1= 0.1194	
C3	CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28-DAYS:	S3	PERFORM ALL WELDING USING QUALIFIED WELDERS AND IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION. COMPLY WITH AISC SPECIFICATION SECTION J2.2 FOR MINIMUM FILLET WELD SIZE, BUT DO NOT USE LESS THAN 1/4 INCH UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.	P17	DRILL HOLES WITH ROTARY IMPACT HAMMER DRILLS USING HOLLOW DRILL BIT WITH INTEGRAL VACUUM CLEAN AS PERMITTED BY ICC-ESR. USE OF DIAMOND CORE BIT WITH ROUGHENING TOOL SHALL BE PERMITTED AFTER ENGINEERS OF RECORD APPROVAL. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, ALL HOLES MUST BE DRILLED PERPENDICULAR TO THE CONCRETE SURFACE.	SEISMIC DESIGN CATEGORY B BASIC SEISMIC FORCE RESISTING SYSTEM BY PEMB MNFR	
C4	ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A NOMINAL AIR DRY DENSITY OF 145 PCF.	S4	SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW. SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STRUCTURAL STEEL.	P18	INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING. THE CONTRACTOR MUST ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.	SEISMIC RESPONSE COEFFICIENT BY PEMB MNFR DESIGN BASE SHEAR, Vb BY PEMB MNFR	
C5	FOR AIR ENTRAINMENT AND OTHER CONCRETE CHARACTERISTICS - SEE SPECIFICATIONS.	S5	IN GENERAL, DESIGN ALL BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS AS SIMPLE SHEAR CONNECTIONS CAPABLE OF END ROTATION AS PER AISC SPECIFICATION SECTION J11.2 - UNRESTRAINED MEMBERS. PROVIDE HIGH-STRENGTH BOLTS IN BEARING TYPE CONNECTIONS WITH THE THREADS INCLUDED IN THE SHEAR PLANE. DESIGN ALL CONNECTIONS FOR THE MINIMUM SHEAR CAPACITIES AS SHOWN. IF SPECIFIC LOAD CRITERIA IS NOT GIVEN, BEAMS SHALL BE DESIGNED FOR AN END REACTION AS TABULATED IN THE AISC HANDBOOK, LATEST EDITION, PART 2.	P19	INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS MUST BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION MUST INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR APPROVED EQUIVALENT.	ANALYSIS PROCEDURE: BY PEMB MNFR	
C6	PROVIDE CONSTRUCTION JOINTS WHERE SHOWN. OMIT NONE AND ADD NONE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER. SUBMIT DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL PRIOR TO PREPARATION OF AFFECTED REINFORCEMENT SHOP DRAWINGS.	S6	PROVIDE 3/4" MINIMUM DIAMETER HIGH STRENGTH BOLTS WHICH CONFORM TO THE REQUIREMENTS OF ASTM A325 OR A490 FOR ALL BOLTED CONNECTIONS.	P110	ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.	BUILDING IS NOT DESIGNED FOR ADDITIONAL HORIZONTAL OR VERTICAL EXTENSIONS.	
C7	SIZES OF CONCRETE PLACEMENTS SHALL NOT EXCEED THE FOLLOWING:			METAL DECK			
	A. FOUNDATION WALLS - SECTION 60- FEET MAXIMUM LENGTH.			MD1	PROVIDE METAL DECKING OF THE TYPES AND GAGES INDICATED ON THE DRAWINGS.		
	B. SLABS ON GRADE - PLACE IN ACCORDANCE WITH JOINT PATTERNS INDICATED ON PLAN. PLACE IN LINEAR STRIPS NOT TO EXCEED 30 FT. PLACEMENTS AREA SHALL NOT EXCEED "FORMED JOINTS" AS INDICATED ON PLAN WITHOUT PRIOR ACCEPTANCE BY THE ARCHITECT/ENGINEER. BEGIN SAWCUTTING OF THE SLAB AS SOON AS THE SAW DOES NOT CAUSE THE SURFACE TO BE TORN OR DAMAGED, BUT IN NO CASE MORE THAN 12 HOURS AFTER SLAB FINISHING OPERATIONS.			MD2	FABRICATE METAL DECKING FROM STEEL WHICH CONFORMS TO ASTM A446, GRADE A, HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI. HOT DIP GALVANIZE ROOF DECK TO G60 REQUIREMENTS.		
C8	MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HOURS.			MD3	SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW INDICATING LOCATION, GAGE, AND SIZE OF EACH PIECE OF DECKING. SHOW WELDING DETAILS TO STRUCTURAL FRAMING, SIDE LAP CONNECTION DETAILS, LOCATION OF SHORING AND SUPPLEMENTARY SUPPORT STEEL AS REQUIRED.		
C9	CONCRETE SLABS SHALL BE CAST SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS.			MD4	PROVIDE CONTINUOUS DECK CLOSURES AT ALL DECK ENDS. PROVIDE SUPPLEMENTARY FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF METAL DECK.		
C10	CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER REVIEW 30-DAYS PRIOR TO PLACEMENT OF CONCRETE.			MD5	PLACE METAL DECK OVER A MINIMUM OF THREE (3) SPANS IN THE DIRECTION INDICATED; USE DOUBLE SPANS ONLY WHERE REQUIRED BY FRAMING GEOMETRY AND IDENTIFY LOCATIONS ON METAL DECK SHOP DRAWINGS. SINGLE SPANS NOT PERMITTED.		
C11	WIRE BRUSH CLEAN AND MOISTEN ALL CONSTRUCTION JOINTS IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.			MD6	WELD METAL DECK, USING PREQUALIFIED METHODS, AT 12 INCHES MAXIMUM ON CENTER TO THE SUPPORTING STEEL WITH 3/4" DIAMETER PUDDLE WELDS. FASTEN SIDE LAPS AT 30" MAXIMUM ON CENTER (FASTEN METAL DECK TO SUPPORTING STEEL LESS THAN 1/4" THICK USING #12 SELF-DRILLING FASTENERS AT SPACING ADEQUATE TO PROVIDE DIAPHRAGM STRENGTH EQUAL TO 3/4" PUDDLE WELDS).		
C12	NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.			MD7	DO NOT HANG LOADS EXCEEDING 50 LBS. FROM ANY METAL DECKING. HANG ALL DUCTWORK, PIPING, ETC., DIRECTLY FROM STRUCTURAL STEEL WORK OR SUPPLEMENTARY MEMBERS. SUBMIT ALL HANGING LOAD DETAILS FOR REVIEW.		
C13	REFER TO ACI 305 FOR HOT WEATHER CONCRETE REQUIREMENTS AND ACI 306 FOR COLD WEATHER CONCRETE REQUIREMENTS.			MD8	SEE SPECIFICATION SECTION 053000 - METAL DECKING FOR ADDITIONAL REQUIREMENTS.		
C14	SEE SPECIFICATION SECTION 033100 - CAST IN PLACE CONCRETE FOR CONCRETE MIX CRITERIA AND ADDITIONAL REQUIREMENTS.						

BAR SIZE	TENSION SPlice	COMPRESSION SPlice	COMP. DEVELOPMENT LENGTH
3	15	12	12
4	20	15	12
5	26	19	15
6	31	23	18
7	39	26	23
8	51	30	30
9	65	34	38
10	82	38	48
11	101	42	59

NOTES:

- LAPPED SPlice LENGTHS BASED ON ASTM A-615, GRADE 60, REBAR.
- LAP SPICES, WHETHER TENSION OR COMPRESSION, SHALL BEGIN IMMEDIATELY ABOVE THE FINISHED FLOOR, TOP OF PIER, OR TOP OF FOOTING. LAP SPICES SHALL BE SIDE LAPPED TO PROVIDE MAXIMUM MOMENT CAPACITY. INSIDE TO OUTSIDE LAPS ARE NOT PERMITTED.
- TIED COMPRESSION MEMBERS REQUIRED.
- ALL SPlice LENGTHS NOTED IN INCHES.

BEAM, SLAB, AND WALL REINFORCING LAP SPlice LENGTHS

BAR SIZE	TENSION SPlice		OTHER	DEVELOPMENT LENGTH
3	21	15	13	
4	29	20	17	
5	36	26	21	
6	43	31	25	
7	54	39	32	
8	71	51	42	
9	90	65	53	
10	115	82	68	
11	163	101	83	

LAP SPlice LENGTHS FOR REINFORCING IN 3000 PSI CONCRETE ARE AS FOLLOWS:

BAR SIZE	TENSION SPlice		OTHER	DEVELOPMENT LENGTH
3	21	15	13	
4	29	20	17	
5	36	26	21	
6	46	33	27	
7	63	45	37	
8	82	59	49	
9	104	75	61	
10	132	95	78	
11	163	116	96	

- NOTES:
- LAPPED SPlice LENGTHS BASED ON ASTM A-615, GRADE 60, REBAR.
 - REINFORCING BARS ARE CLASSED AS TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR.
 - COMPRESSION SPICES PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED ON THE DRAWINGS, DETAILS OR SCHEDULES.
 - TENSION SPICES SHALL BE USED IN ALL BEAMS, SLABS AND WALLS UNLESS OTHERWISE NOTED.
 - WHEN LAPPING LARGER BAR WITH SMALLER BAR, LAP LENGTH FOR SMALLER BAR SHALL GOVERN RESPECTIVE SPlice.
 - SPlice CONTINUOUS TOP REINFORCING BARS AT CENTER OF CLEAR SPAN WITH COMPRESSION SPICES.
 - SPlice CONTINUOUS BOTTOM REINFORCING BARS AT CENTER OF SUPPORTING ELEMENT WITH COMPRESSION SPICES.
 - ALL SPlice LENGTHS NOTED IN INCHES.



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NYS C of A #: 018960

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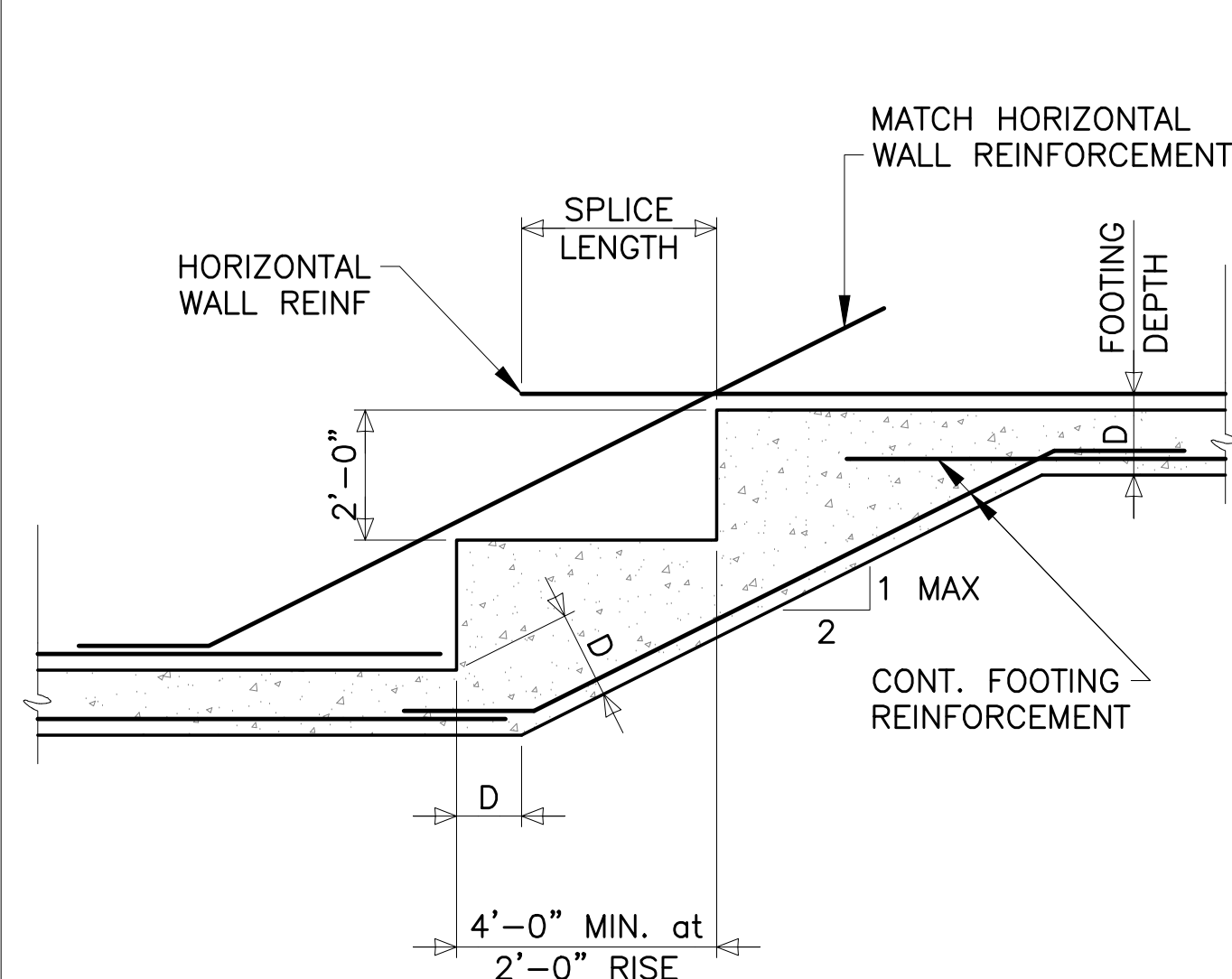


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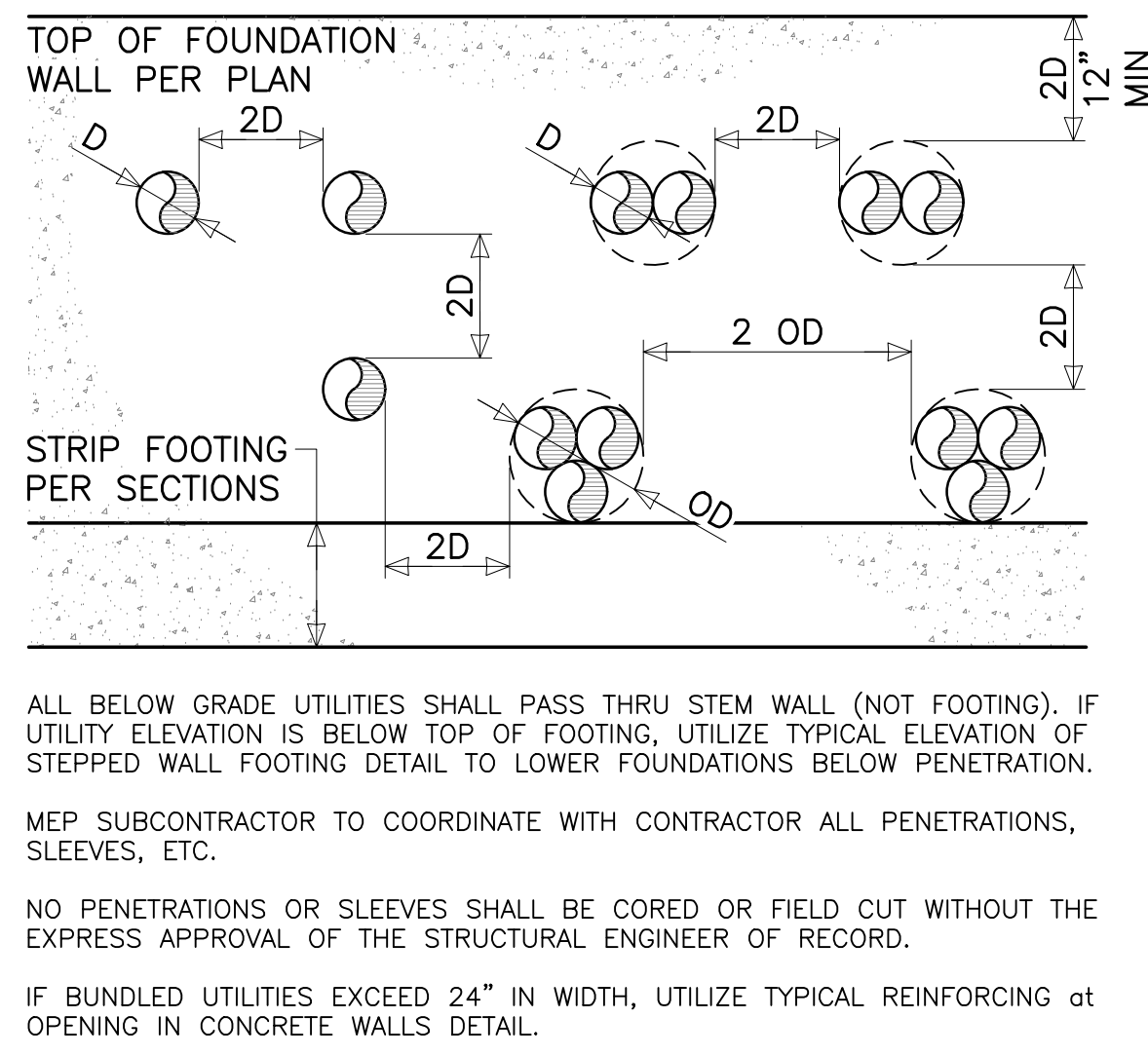
Client:	11580 Walden Ave LLC
Project:	Alden Grow House
Project Address:	11580 Walden Ave Alden, NY
Drawing History:	# Date Description

Project Status:	
Date:	10.10.2025
Project Number:	TAP 24003 (T.E. Job #25-50)
Sheet Title:	GENERAL NOTES

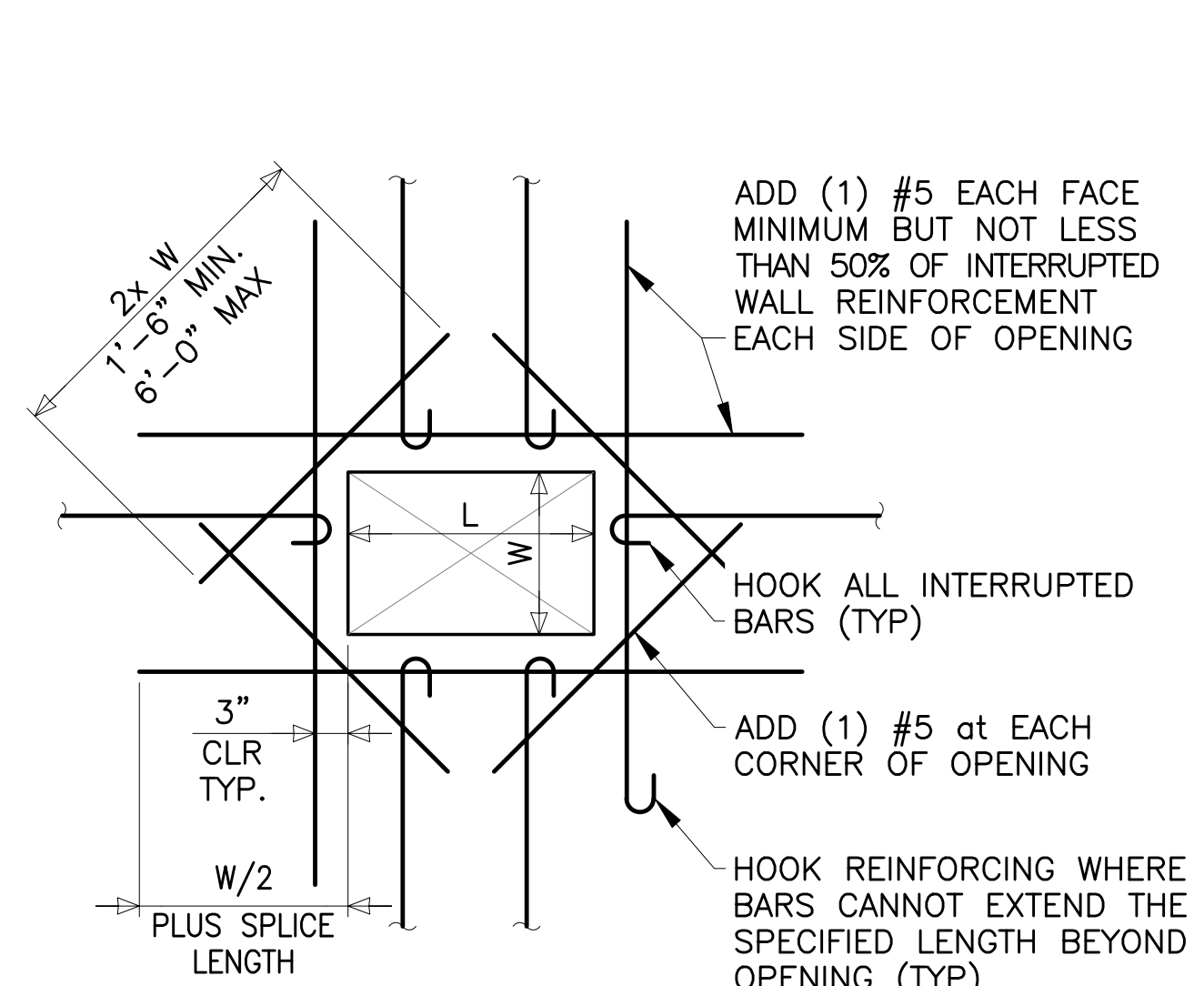
Sheet Number: **S201**



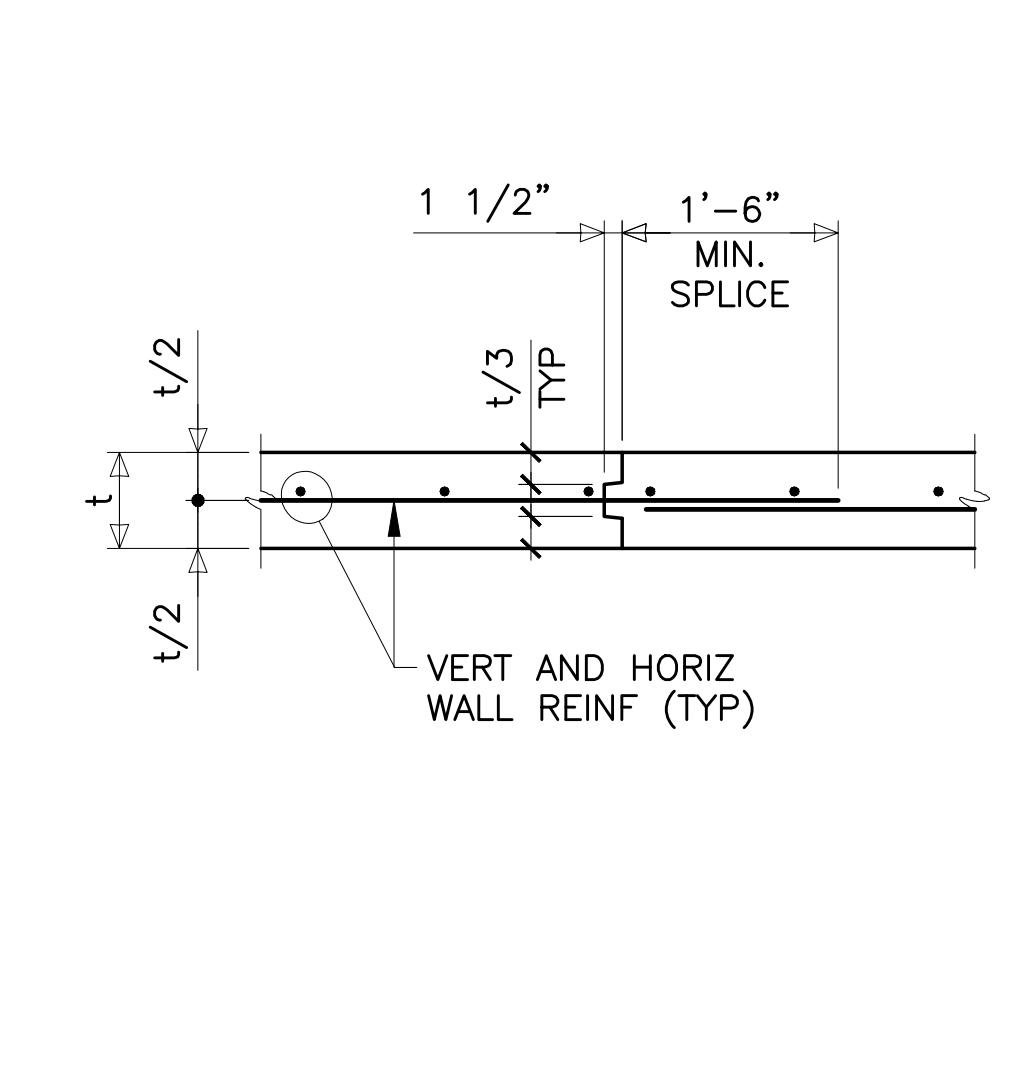
5 ELEVATION OF STEPPED WALL FOOTING



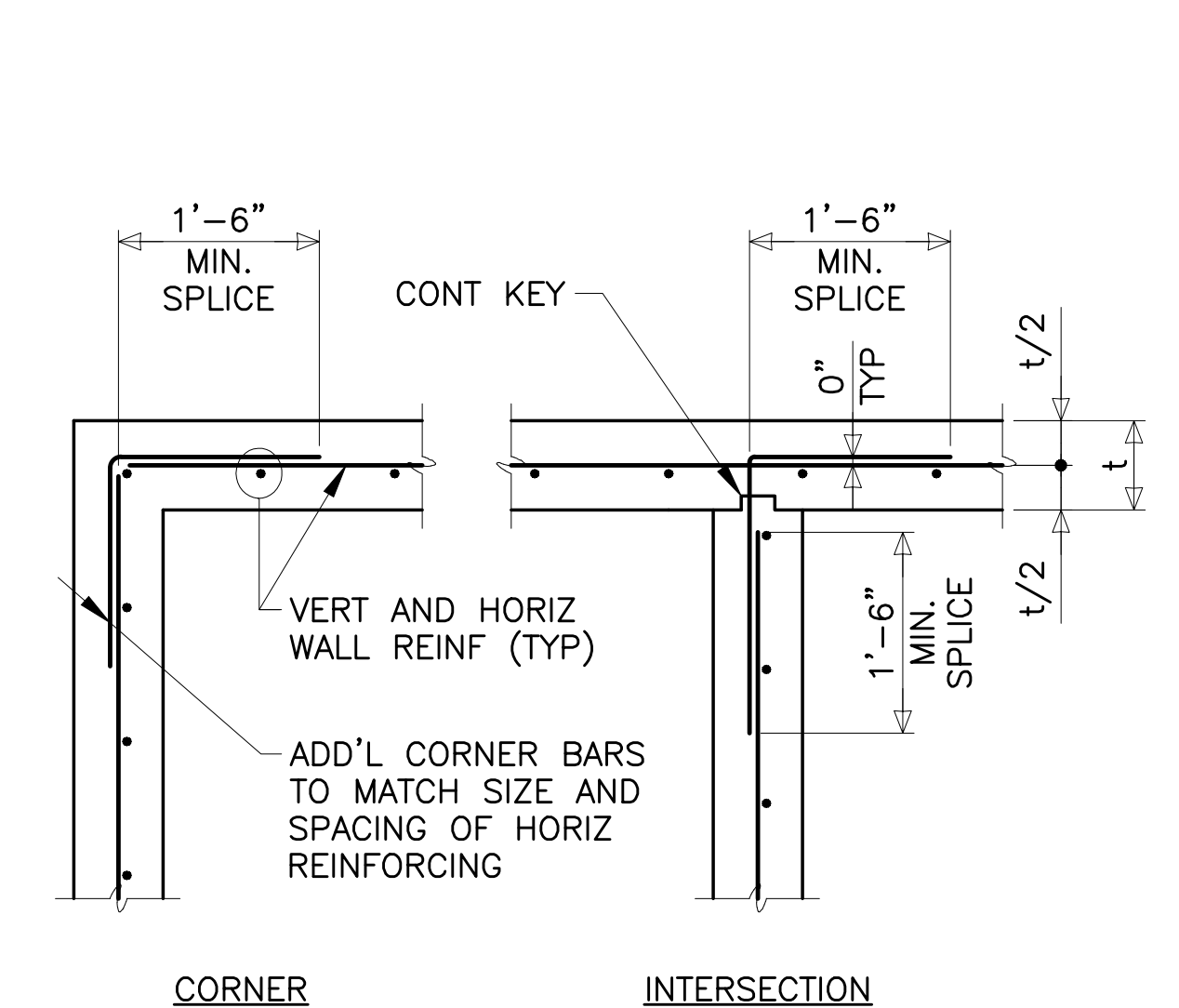
4 TYPICAL SLEEVE SPACE DETAIL IN FROST WALL



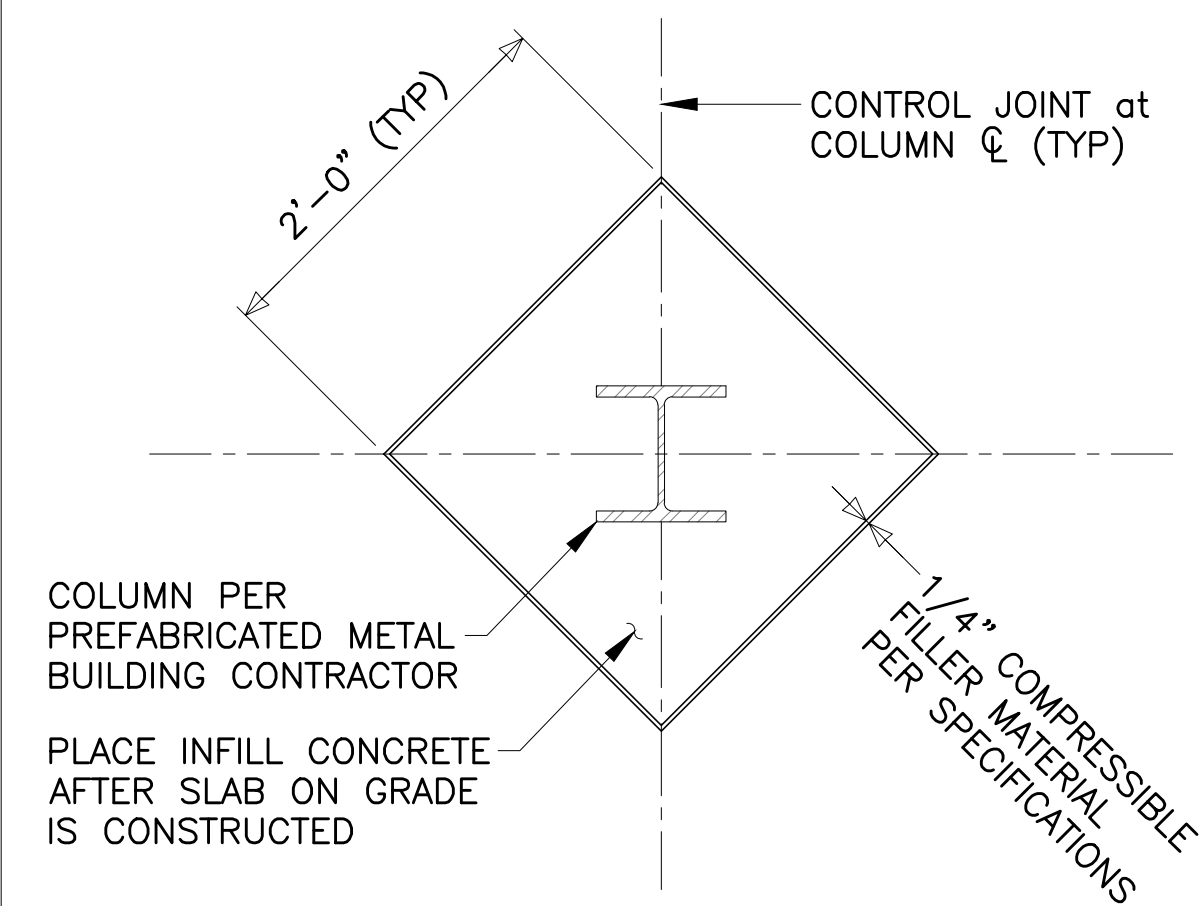
3 REINFORCING at OPENINGS IN CONCRETE WALLS (4'-0" SQ. MAXIMUM OPENING SIZE)



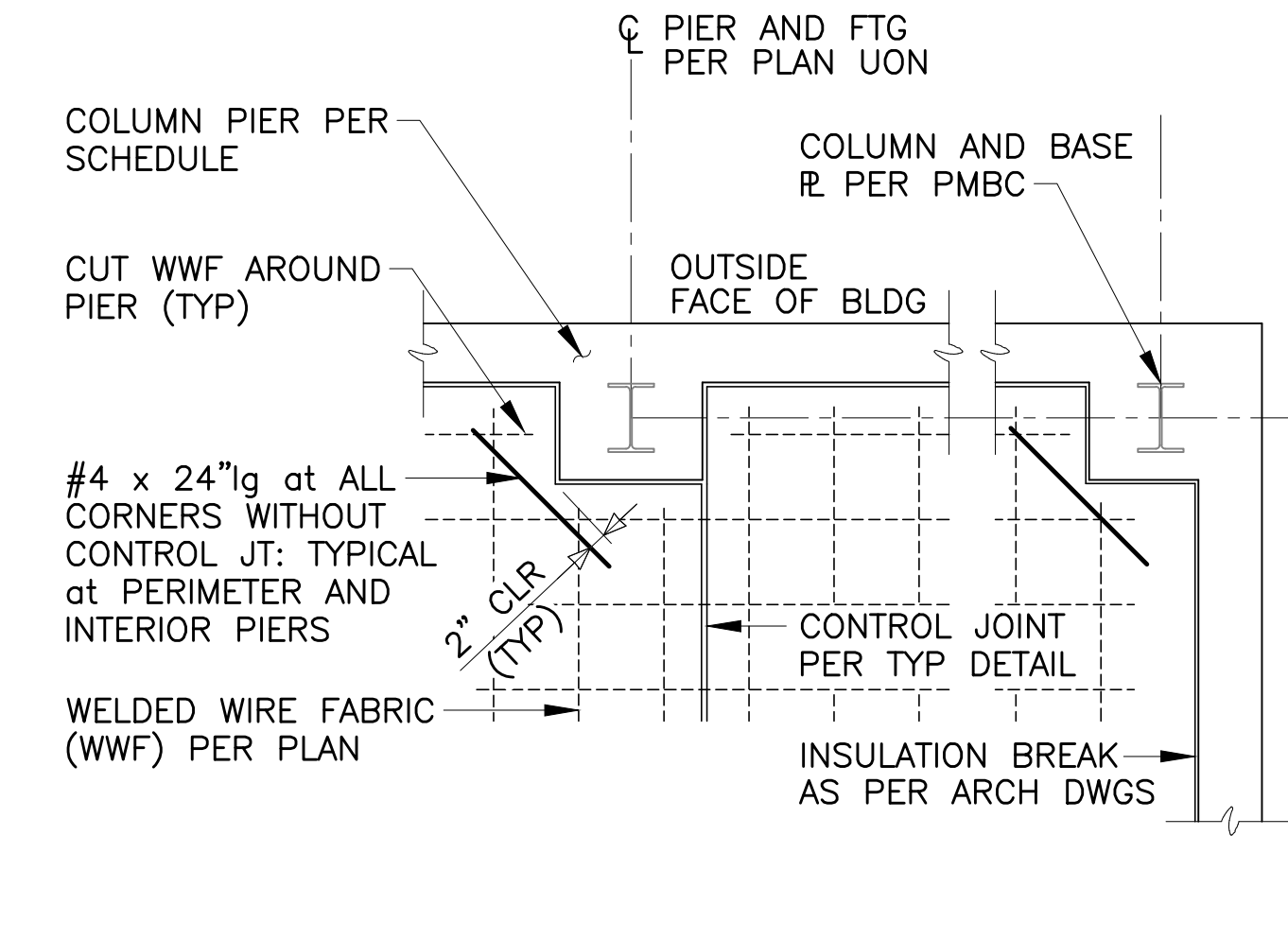
2 WALL CONSTRUCTION JOINT



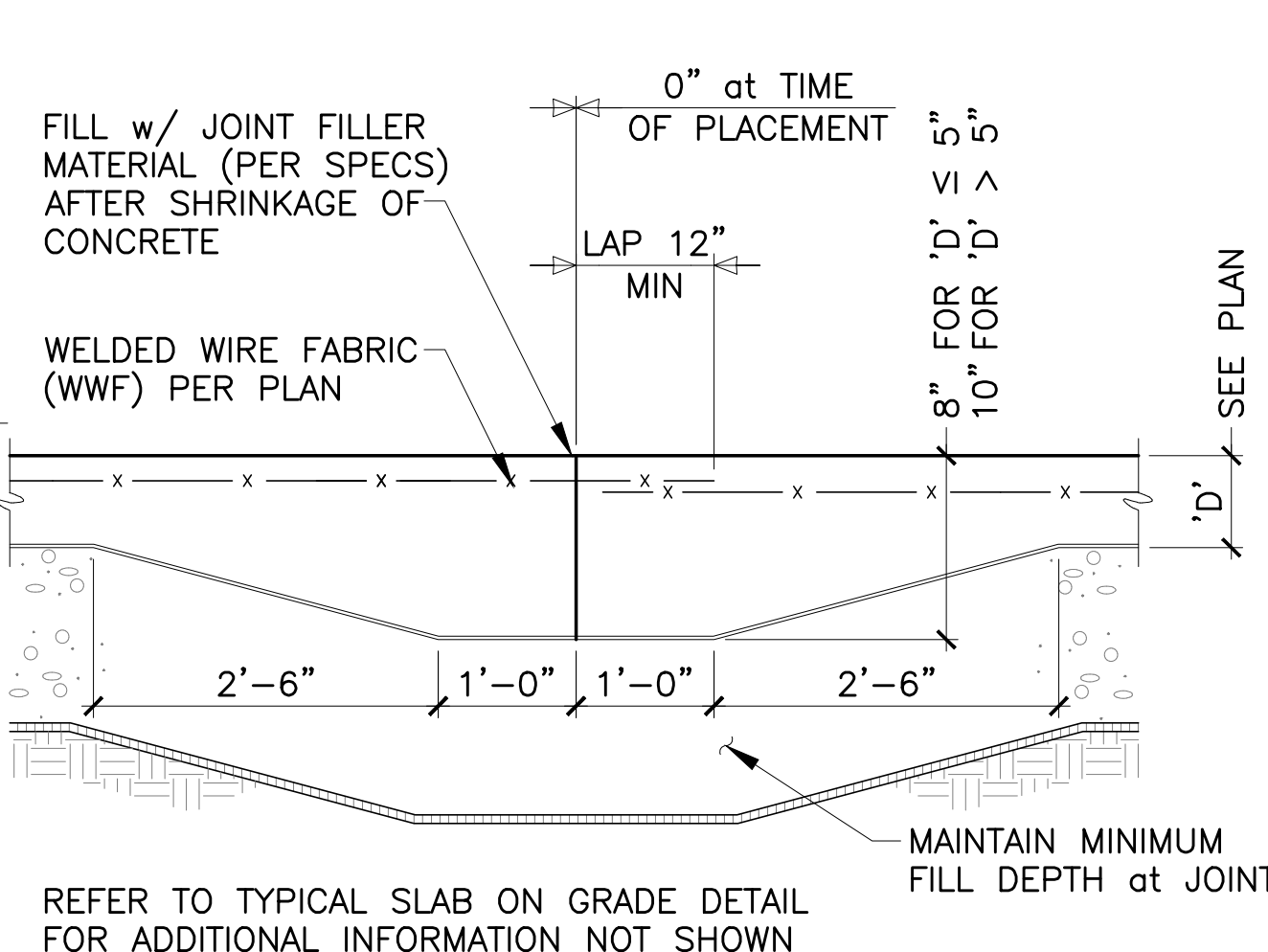
1 HORIZONTAL WALL REINFORCEMENT



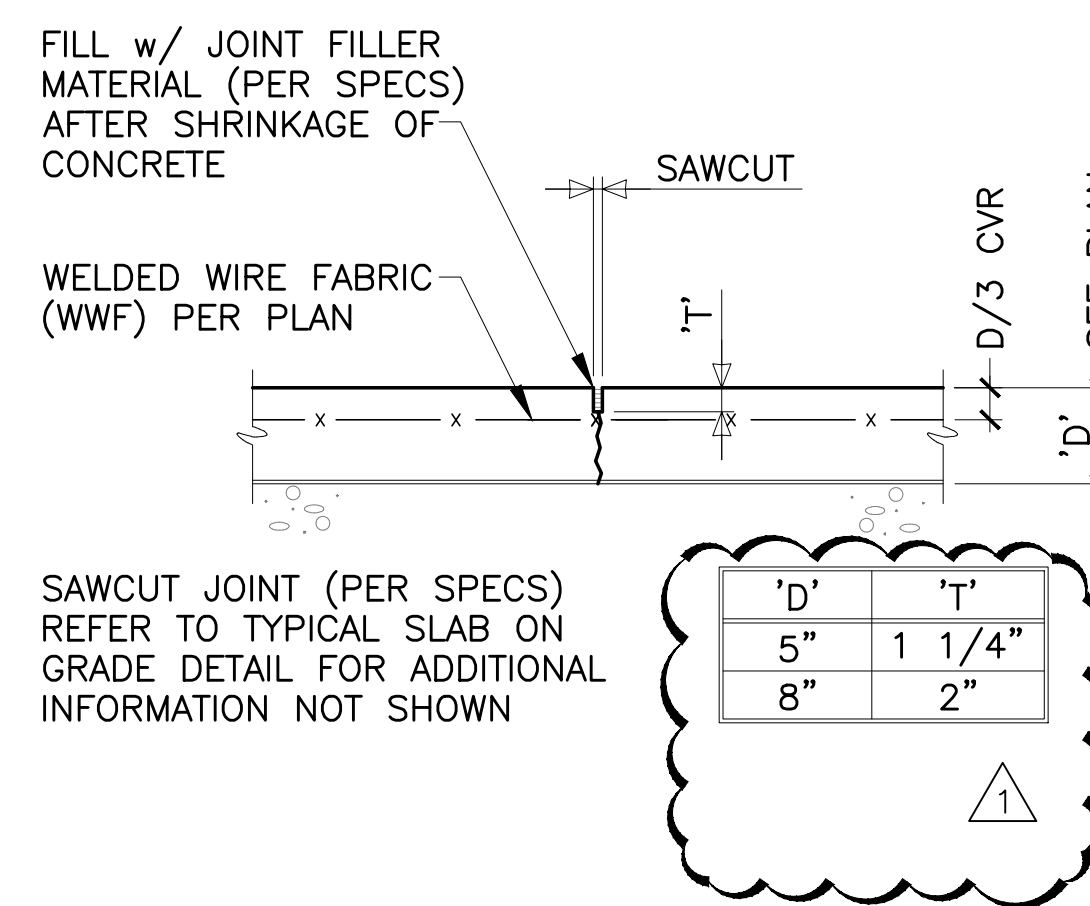
10 CONTROL JOINT DETAIL at COLUMN



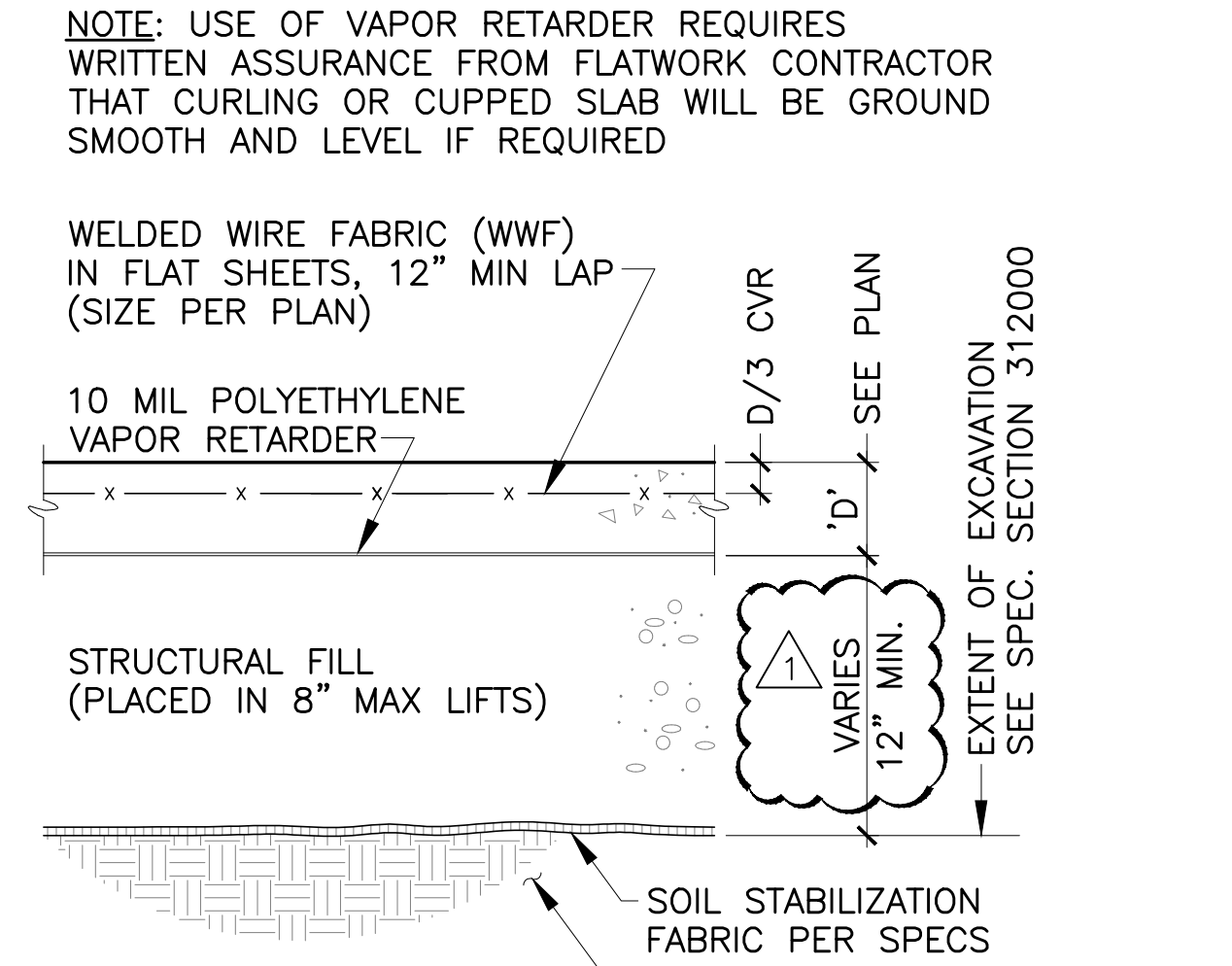
9 ISOLATION JOINT at PERIMETER COLUMN PIERS



8 FORMED JOINT DETAIL (FJ) at SLAB ON GRADE



7 SAWCUT JOINT DETAIL (SJ) at SLAB ON GRADE

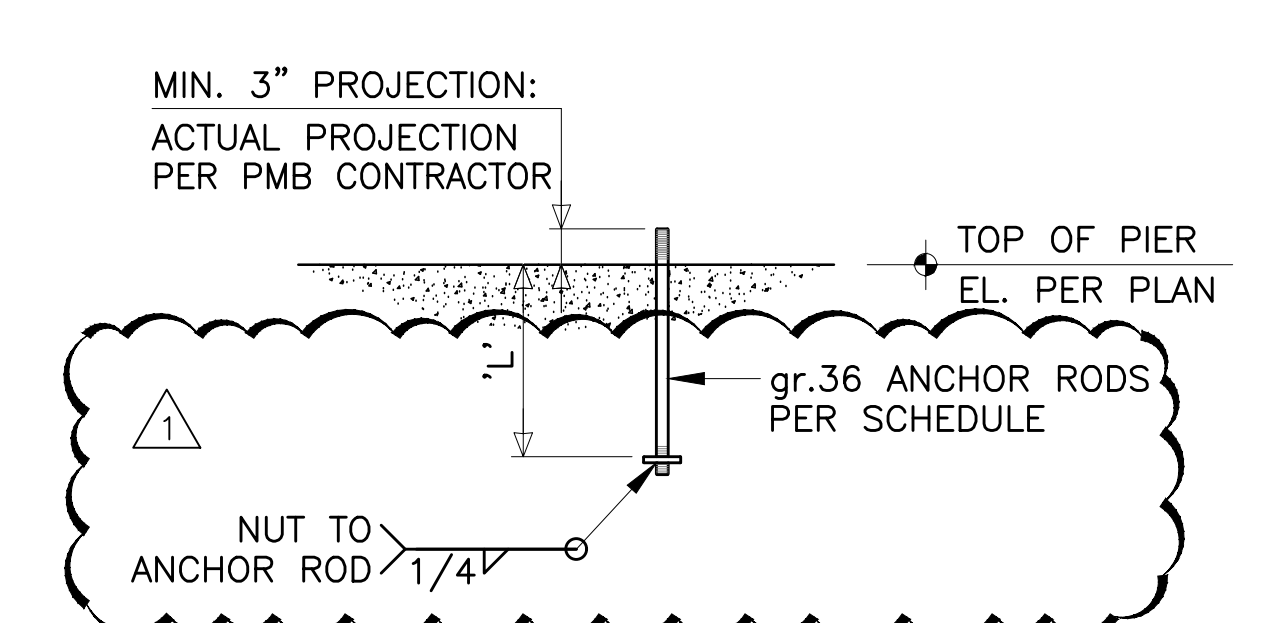


6 TYPICAL SLAB ON GRADE DETAIL

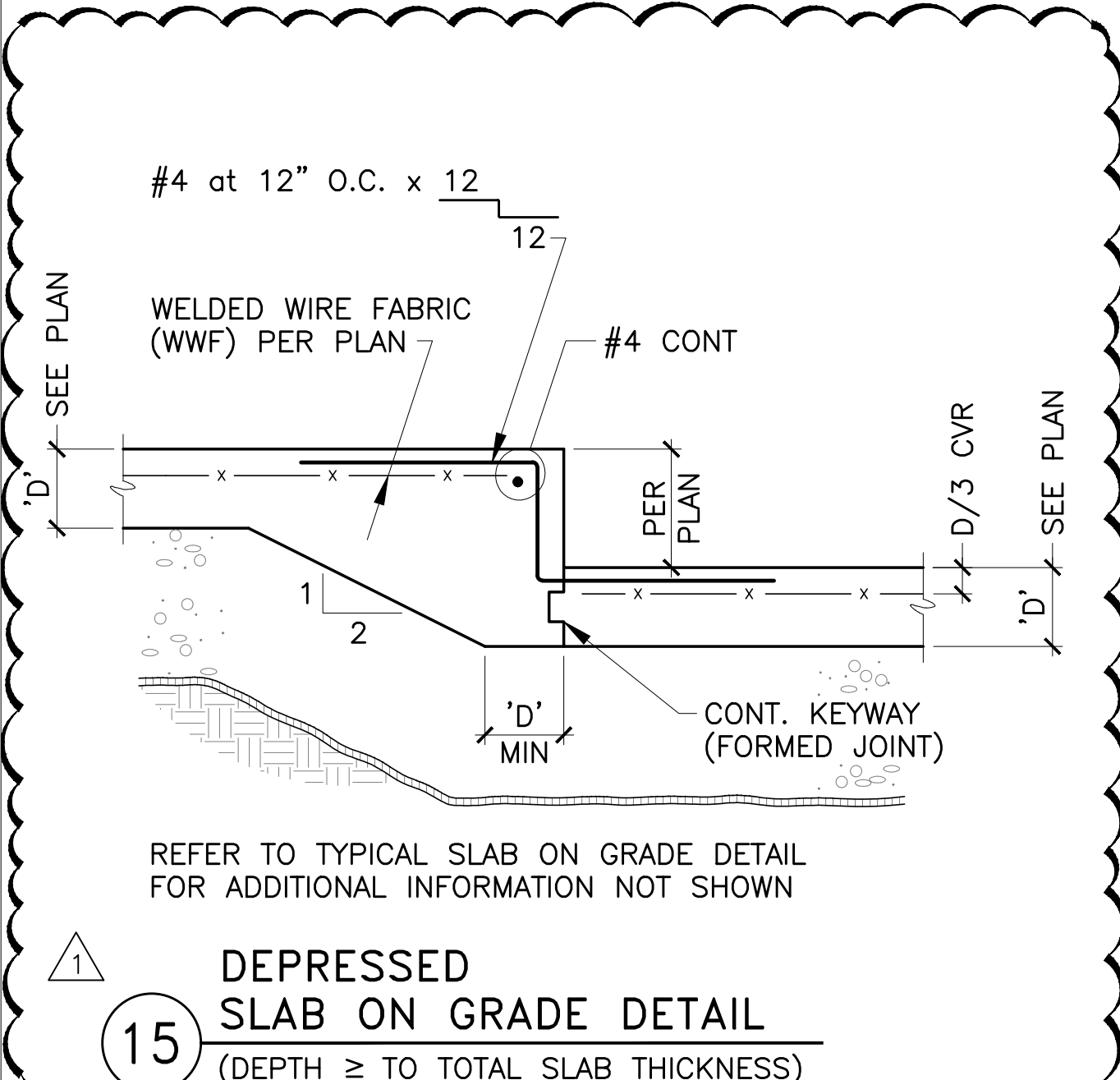
FOR AREAS WITH VCT, TILE OR CARPET COORDINATE WITH ARCH DRAWINGS

ROD DIA.	EMBEDMENT 'L'	END CONDITION
3/4"	1'-6"	WITH NUTS-WELDED
1"	1'-6"	WITH NUTS-WELDED

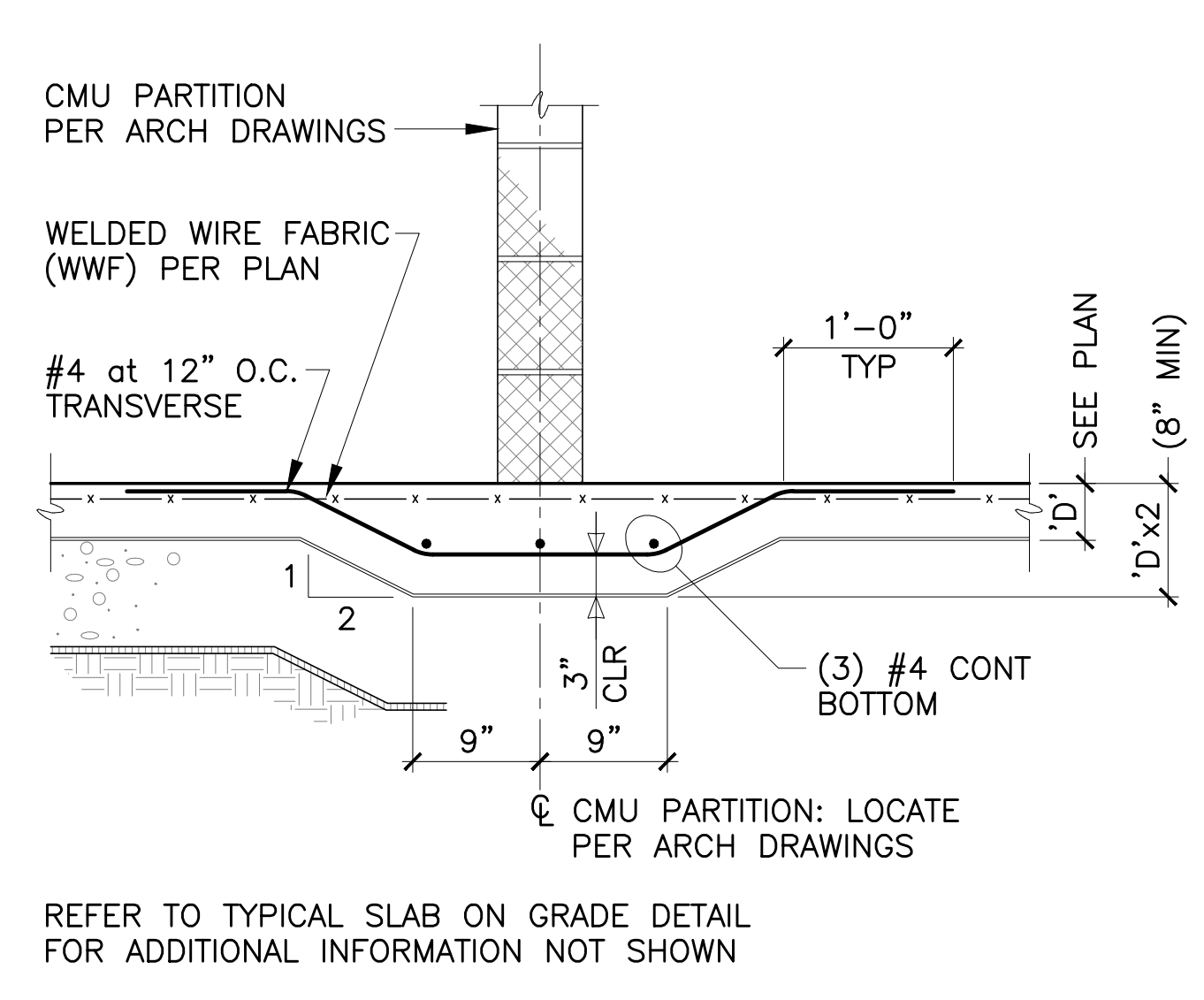
NOTE: COORDINATE QUANTITY, ROD DIAMETER REQUIREMENTS, AND LOCATION OF ANCHOR RODS WITH PMB MANUFACTURER. ALL ANCHOR RODS TO BE SET BY USE OF TEMPLATES.



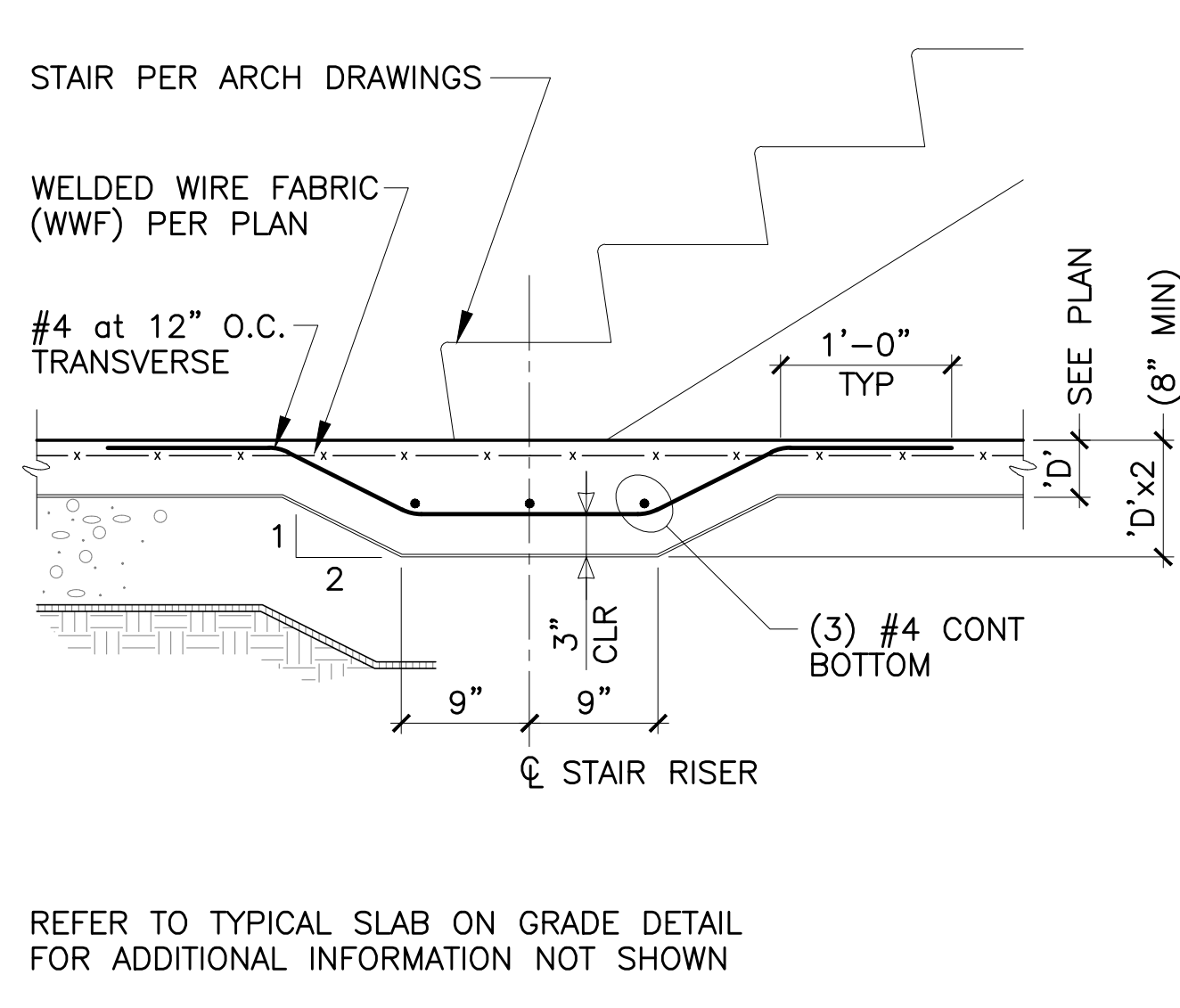
11 TYPICAL COLUMN ANCHOR ROD EMBEDMENT



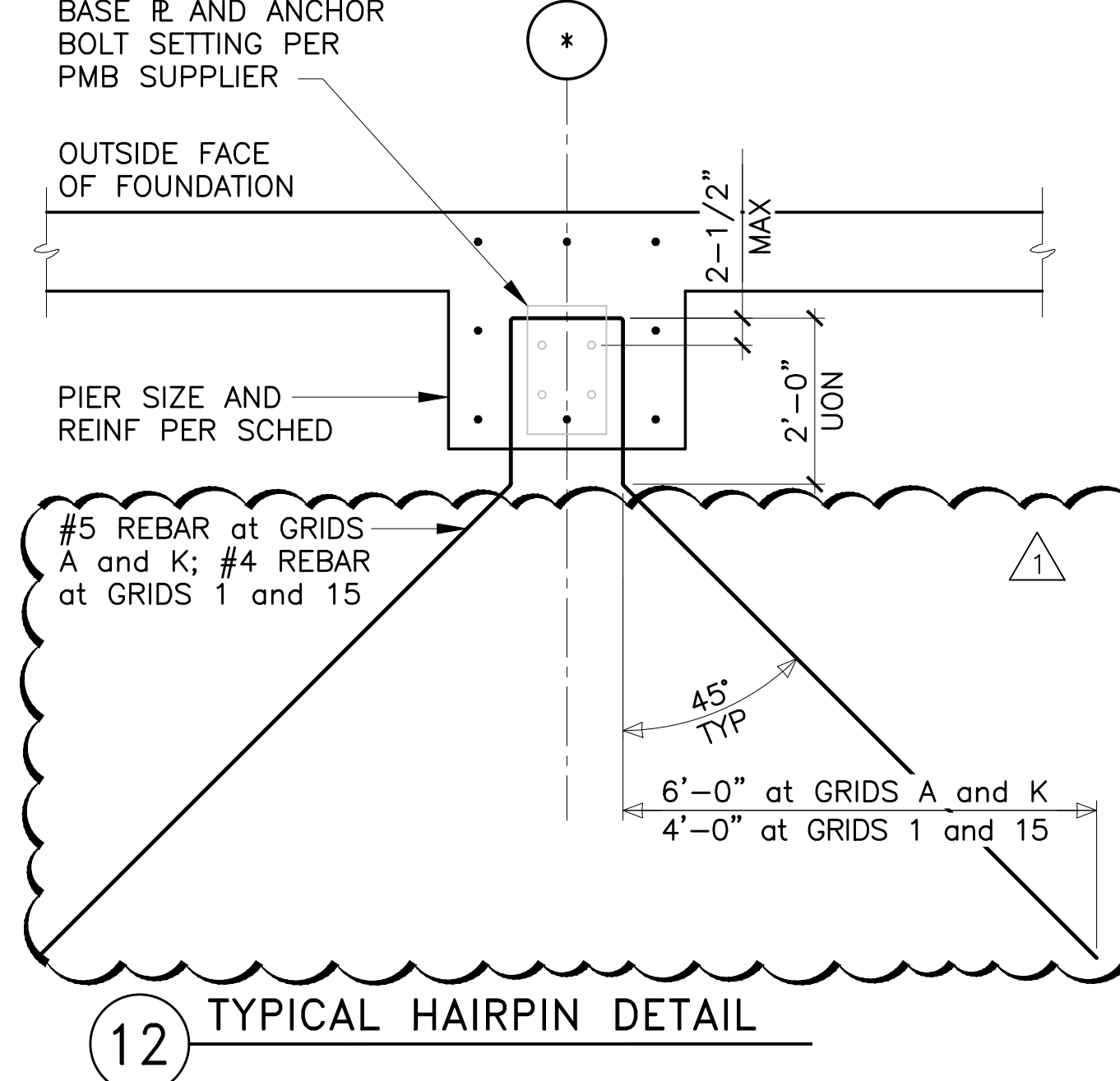
15 DEPRESSED SLAB ON GRADE DETAIL (DEPTH \geq TO TOTAL SLAB THICKNESS)



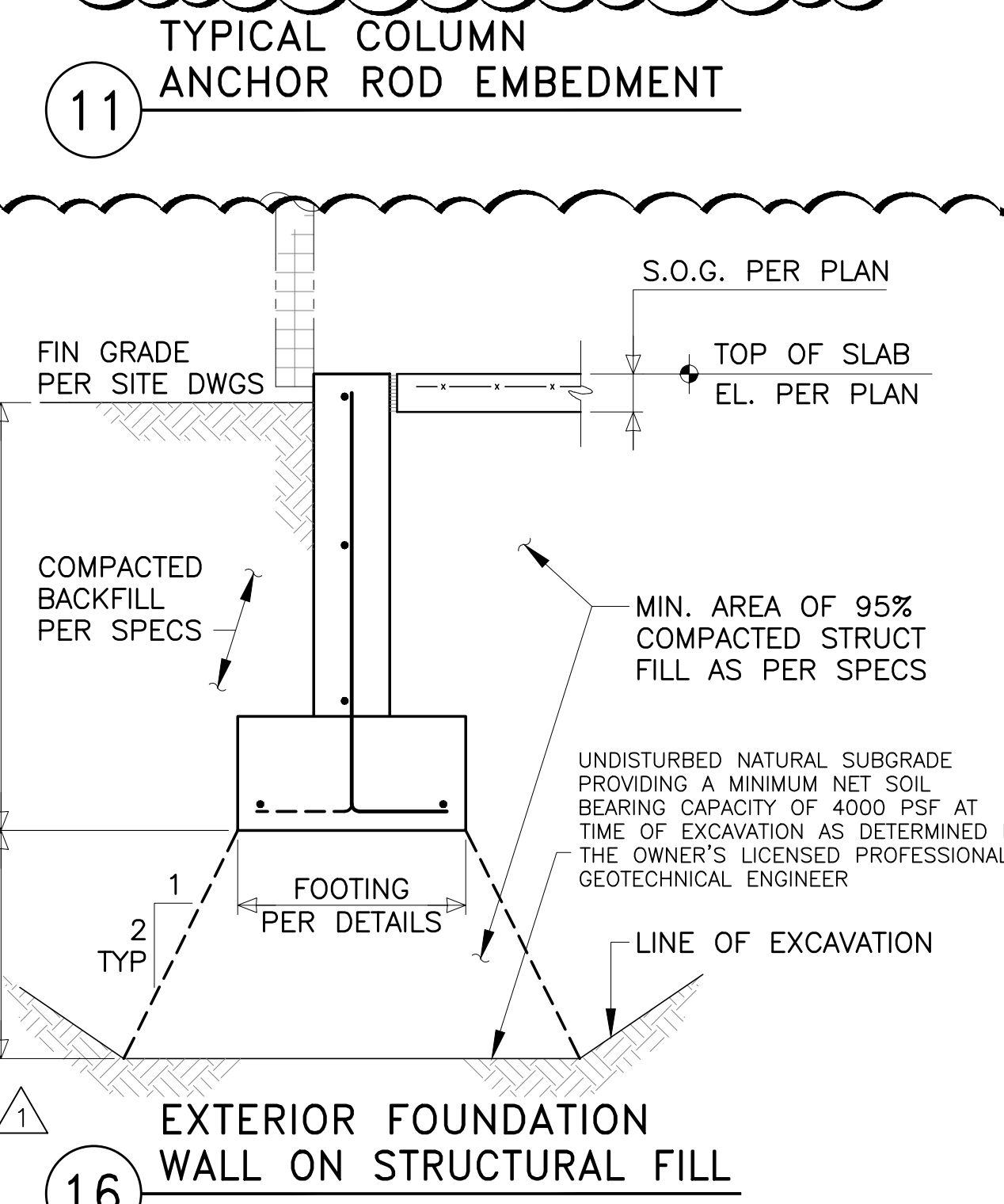
14 THICKENED SLAB at INTERIOR NON-LOAD BEARING MASONRY WALLS



13 THICKENED SLAB DETAIL at STAIR BASE

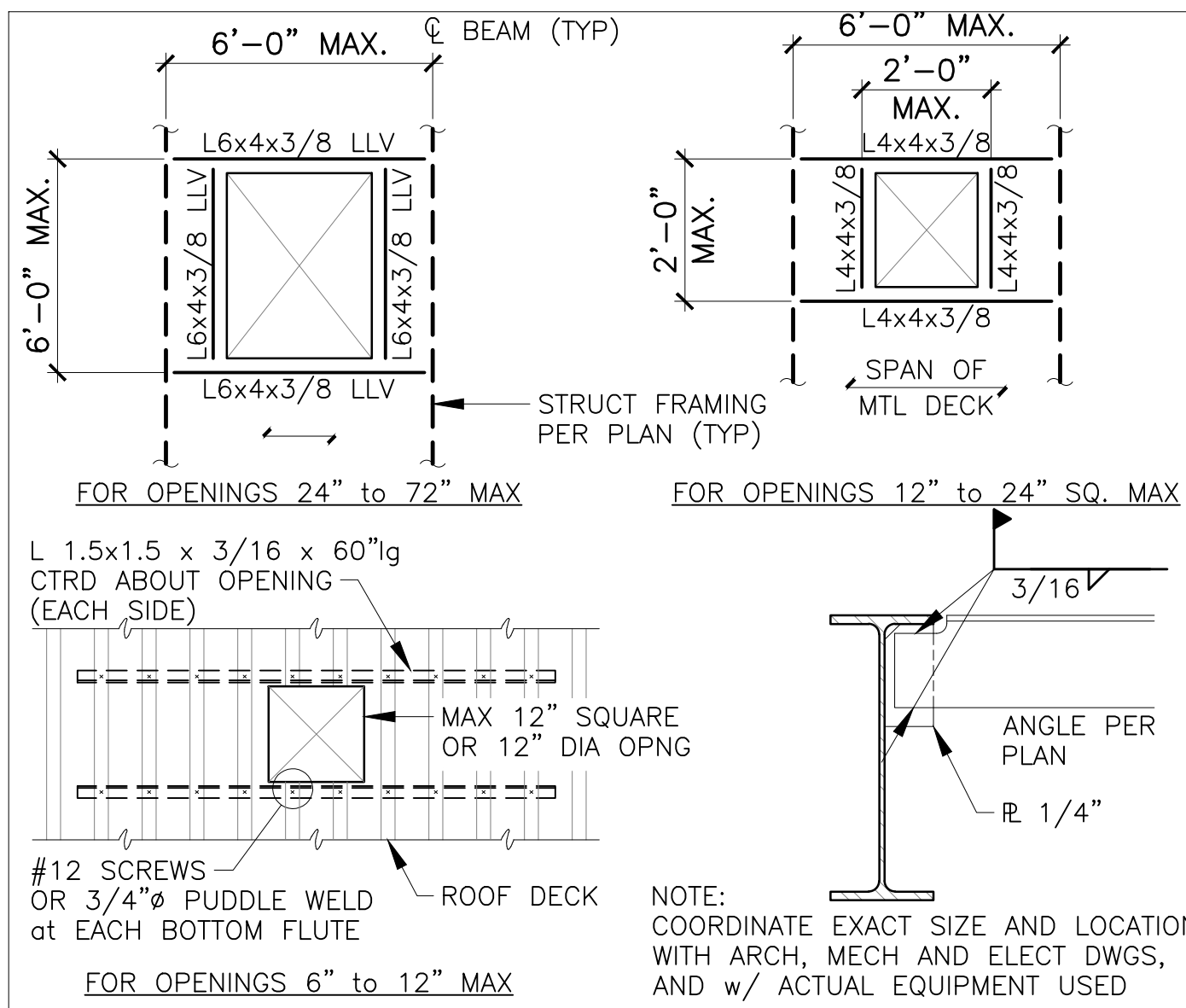


12 TYPICAL HAIRPIN DETAIL

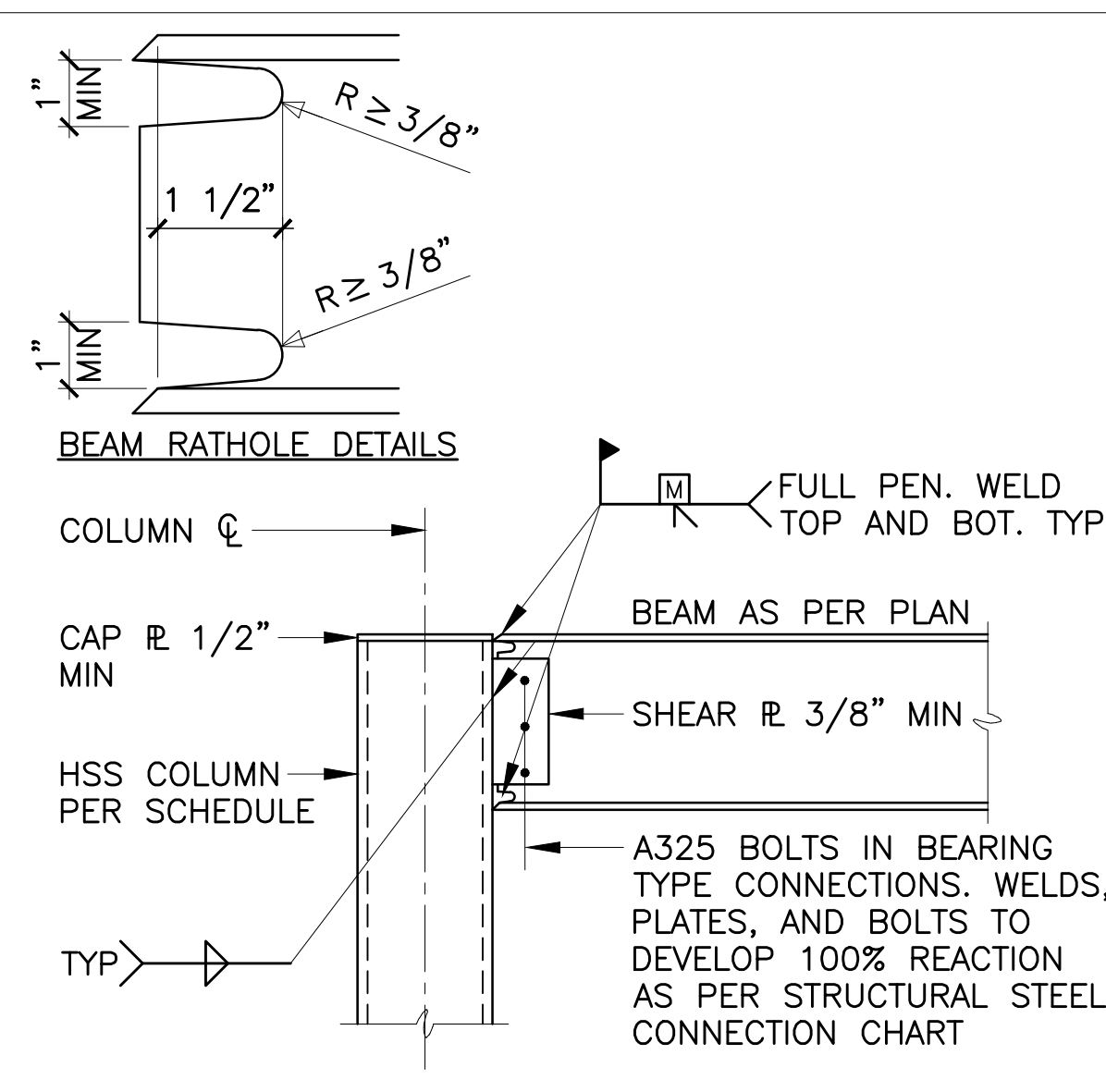


16 EXTERIOR FOUNDATION WALL ON STRUCTURAL FILL

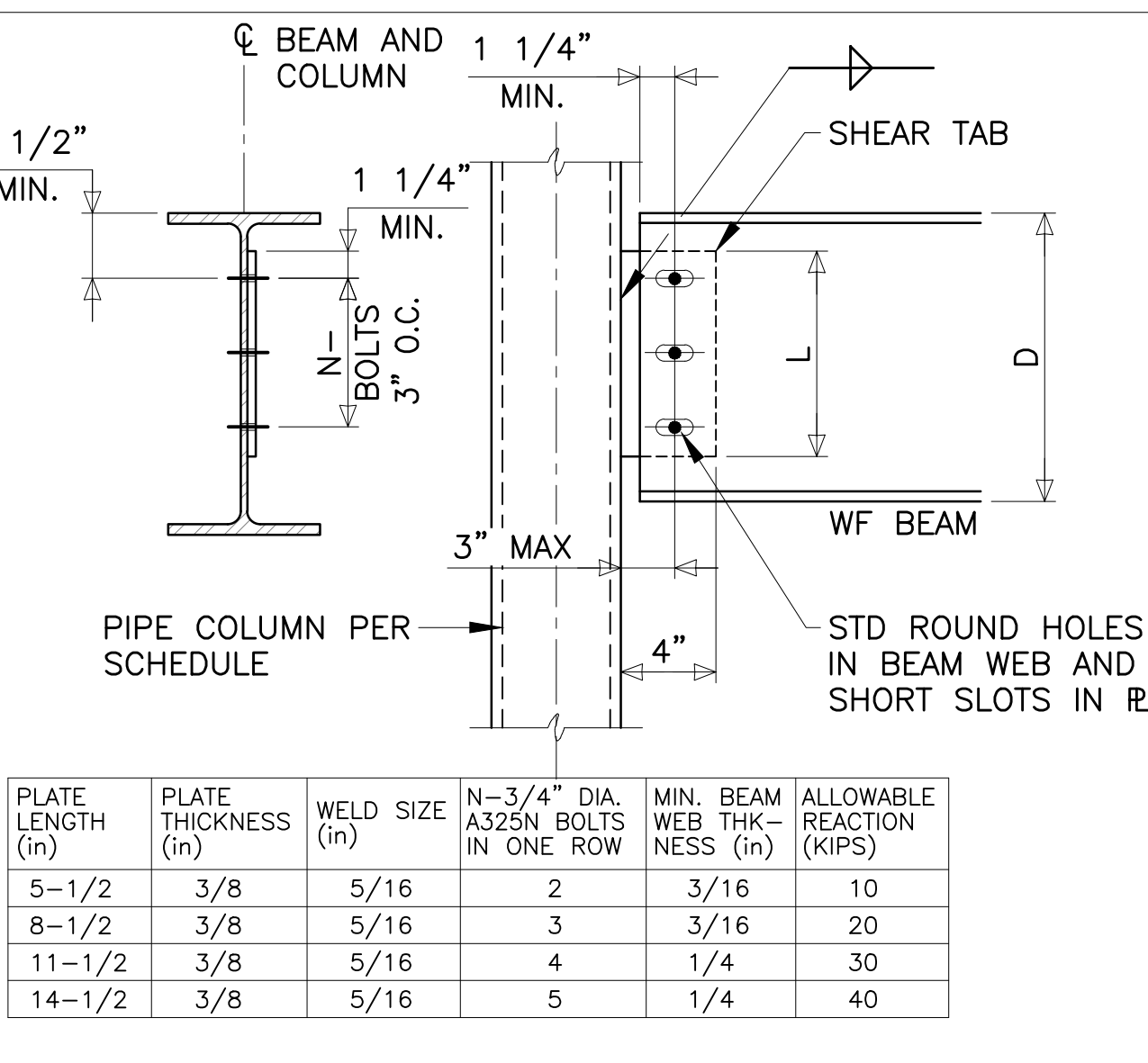




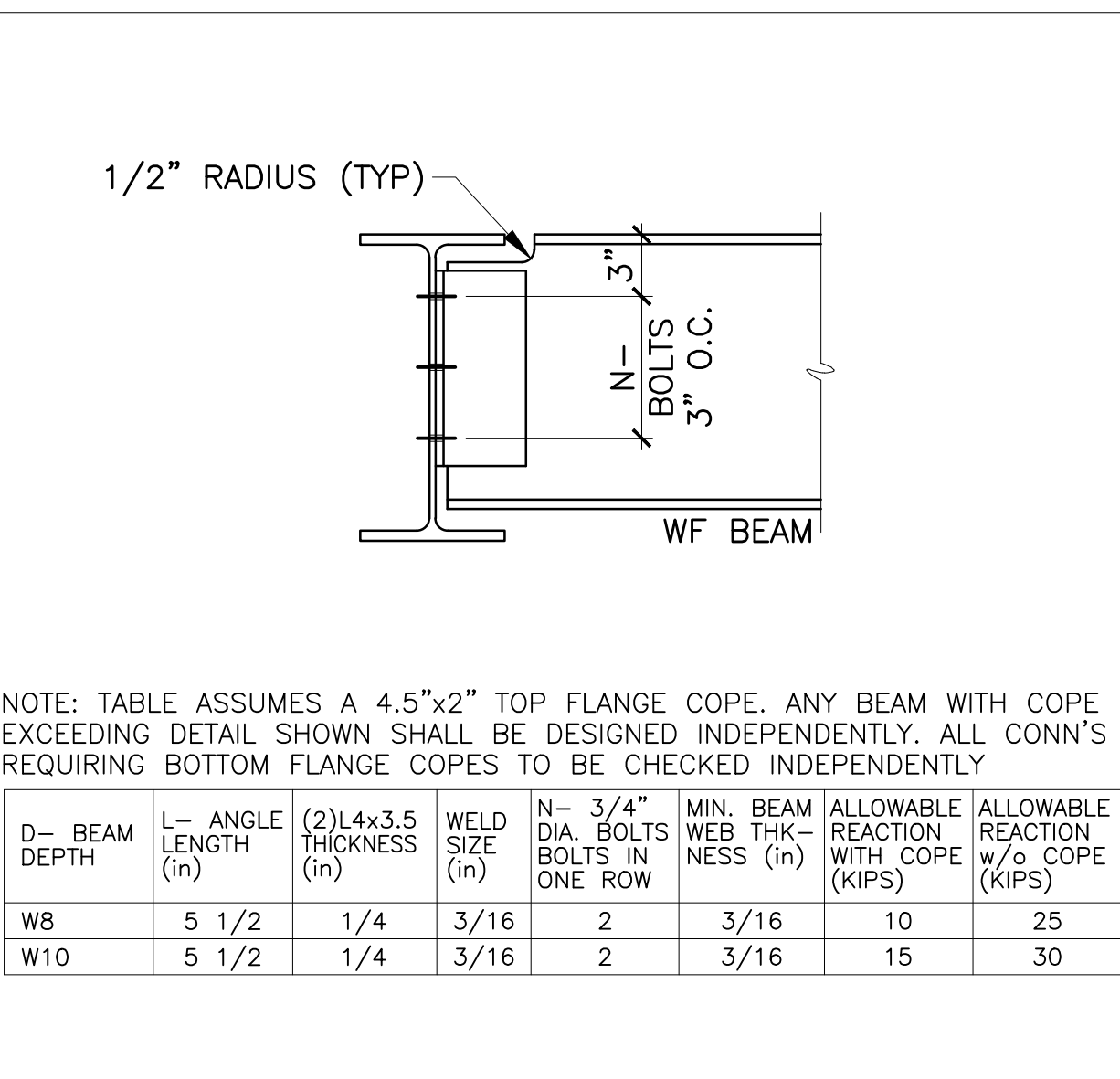
5 REINF. at OPENINGS IN METAL DECK at ROOF



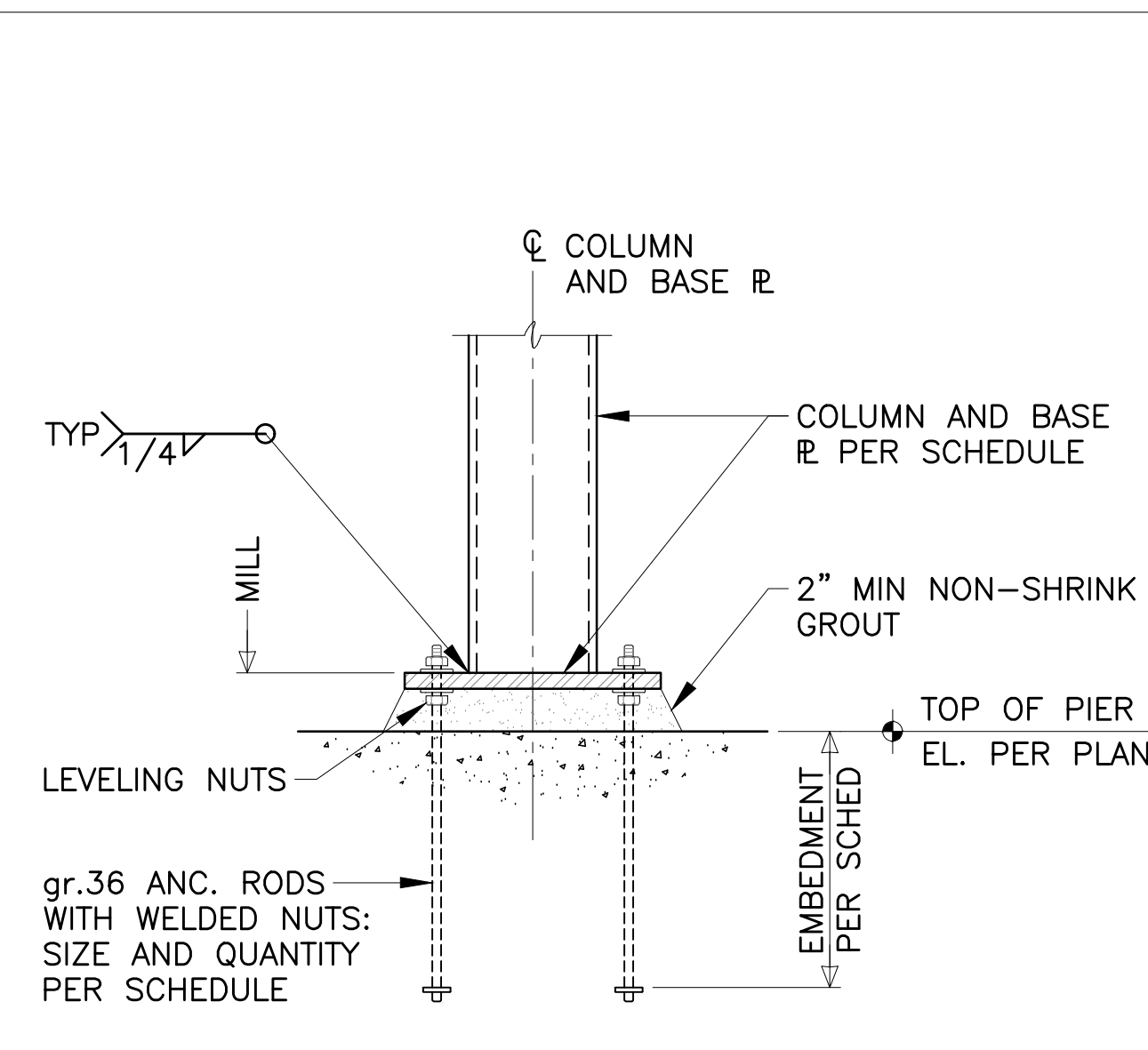
4 RIGID 'TYPE 1' BEAM-to-COLUMN MOMENT CONN. INDICATED THUS: ●



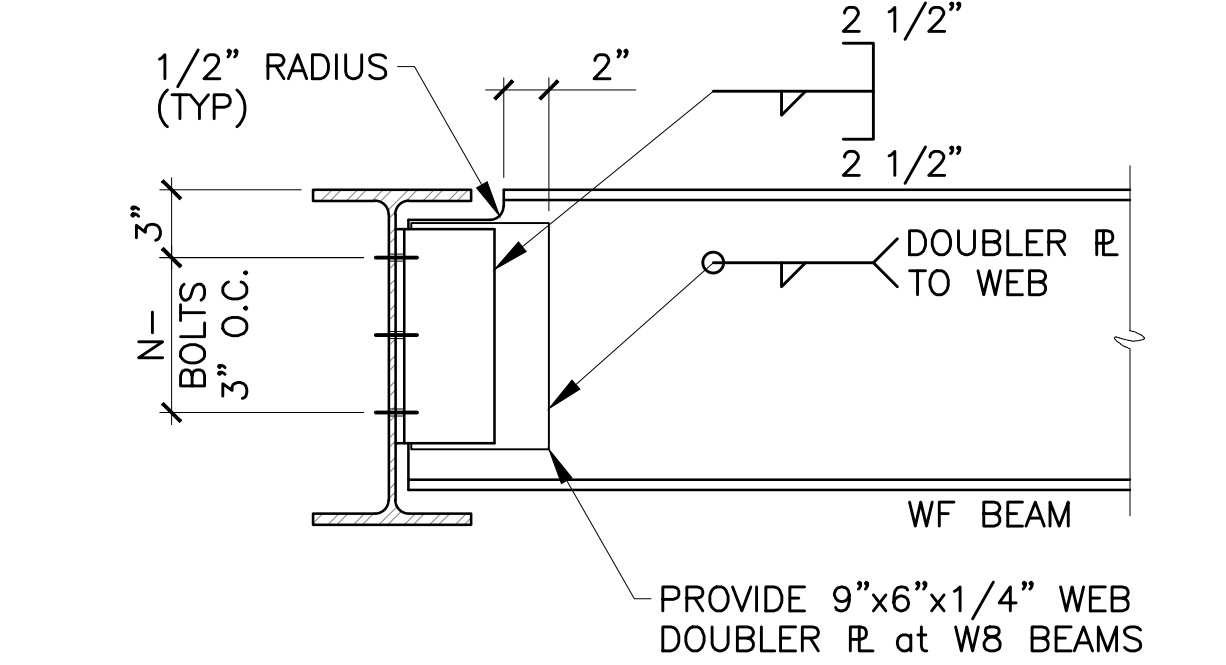
3 SIMPLE SHEAR TAB CONNECTION (BEAM-to-COL)



2 SIMPLE 'TYPE 2' BEAM-to-BEAM CONNECTION



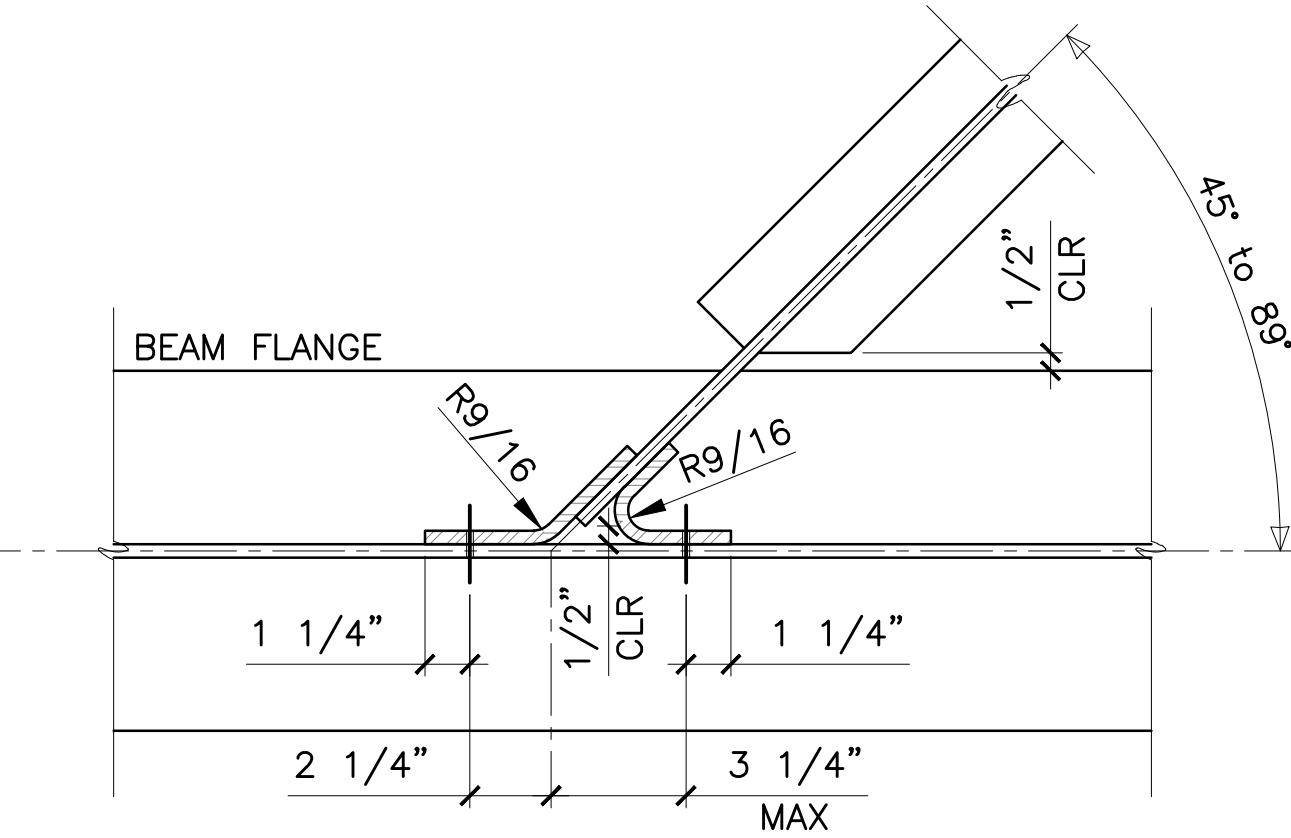
1 COLUMN BASE DETAIL



SECTION

D- BEAM DEPTH	L- ANGLE LENGTH (in)	BENT R THICKNESS (in)	WELD SIZE (in)	N- 3/4" DIA. BOLTS IN ONE ROW	ALLOWABLE REACTION WITH COPE (KIPS)	ALLOWABLE REACTION w/o COPE (KIPS)
W8	5 1/2	5/16	3/16	2	10	20
W10	8 1/2	5/16	3/16	3	15	30

NOTE: TABLE ASSUMES A SKEWED 6 5/8"x2" TOP FLANGE COPE. ANY BEAM WITH COPE EXCEEDING DETAIL SHOWN SHALL BE DESIGNED INDEPENDENTLY. ALL CONNECTIONS REQUIRING BOTTOM FLANGE COPES TO BE CHECKED INDEPENDENTLY



PLAN

6 SKEWED BEAM-to-BEAM CONNECTIONS

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Project: Alden Grow House

Project Address: 11580 Walden Ave
Alden, NY

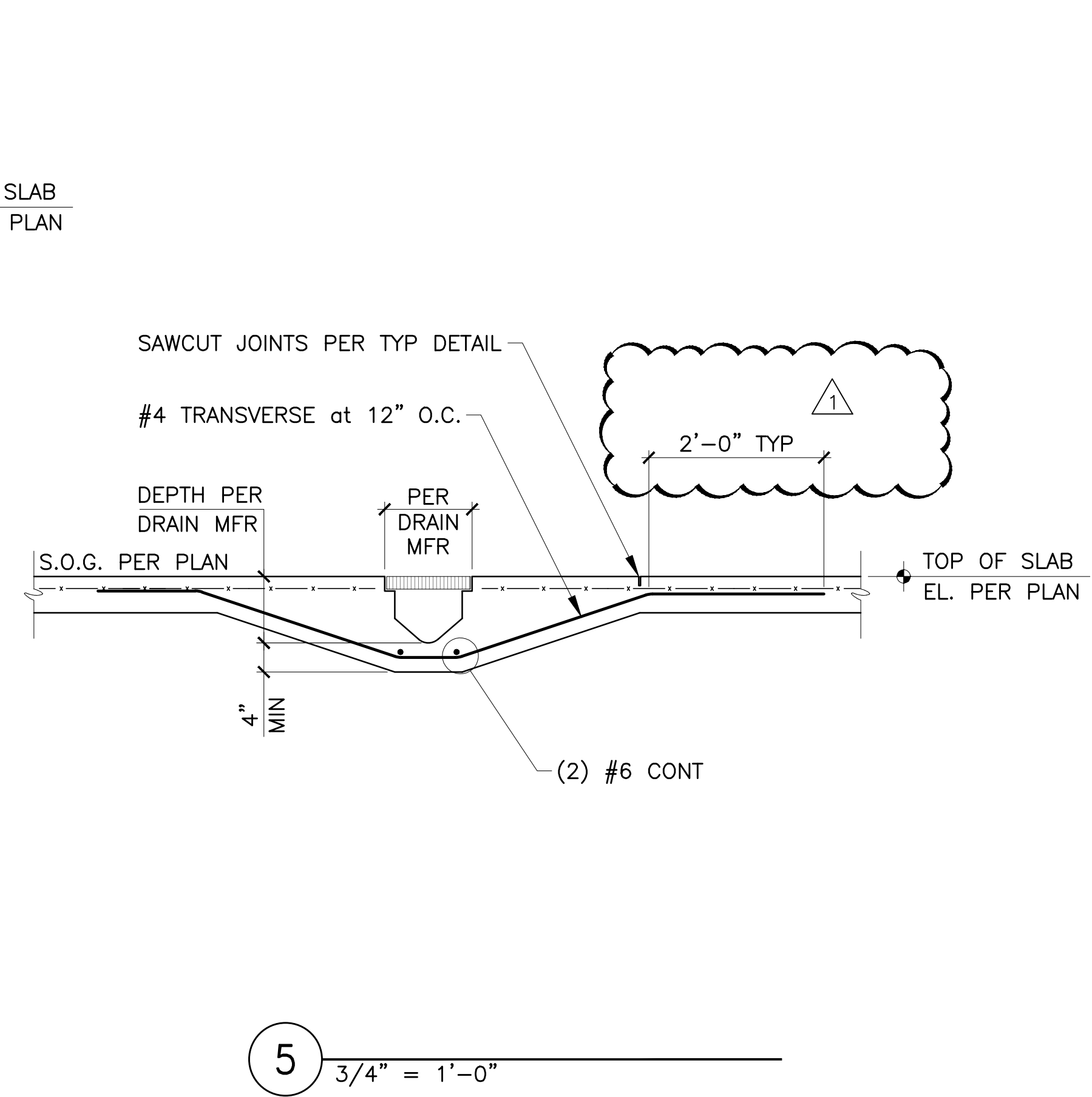
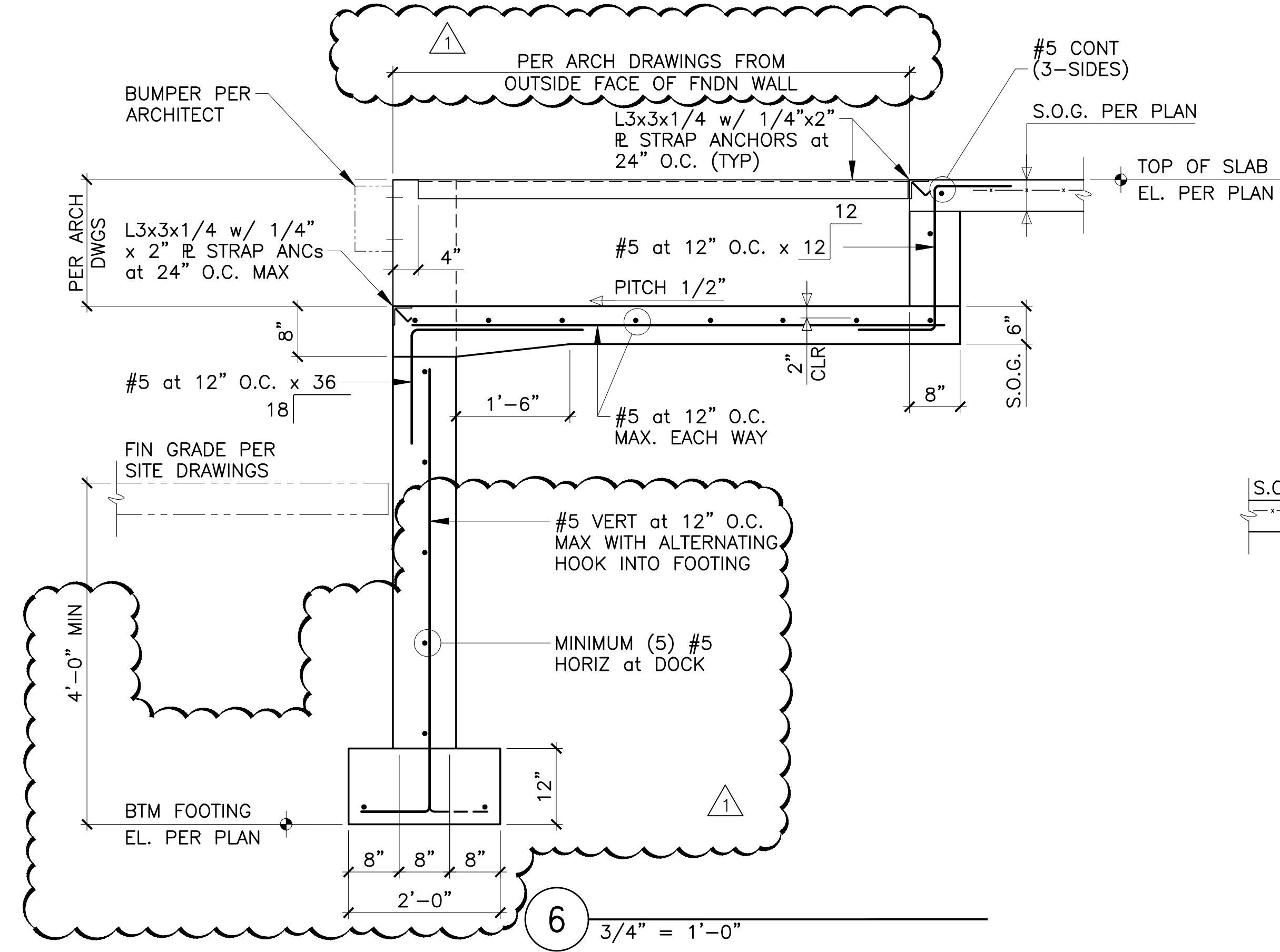
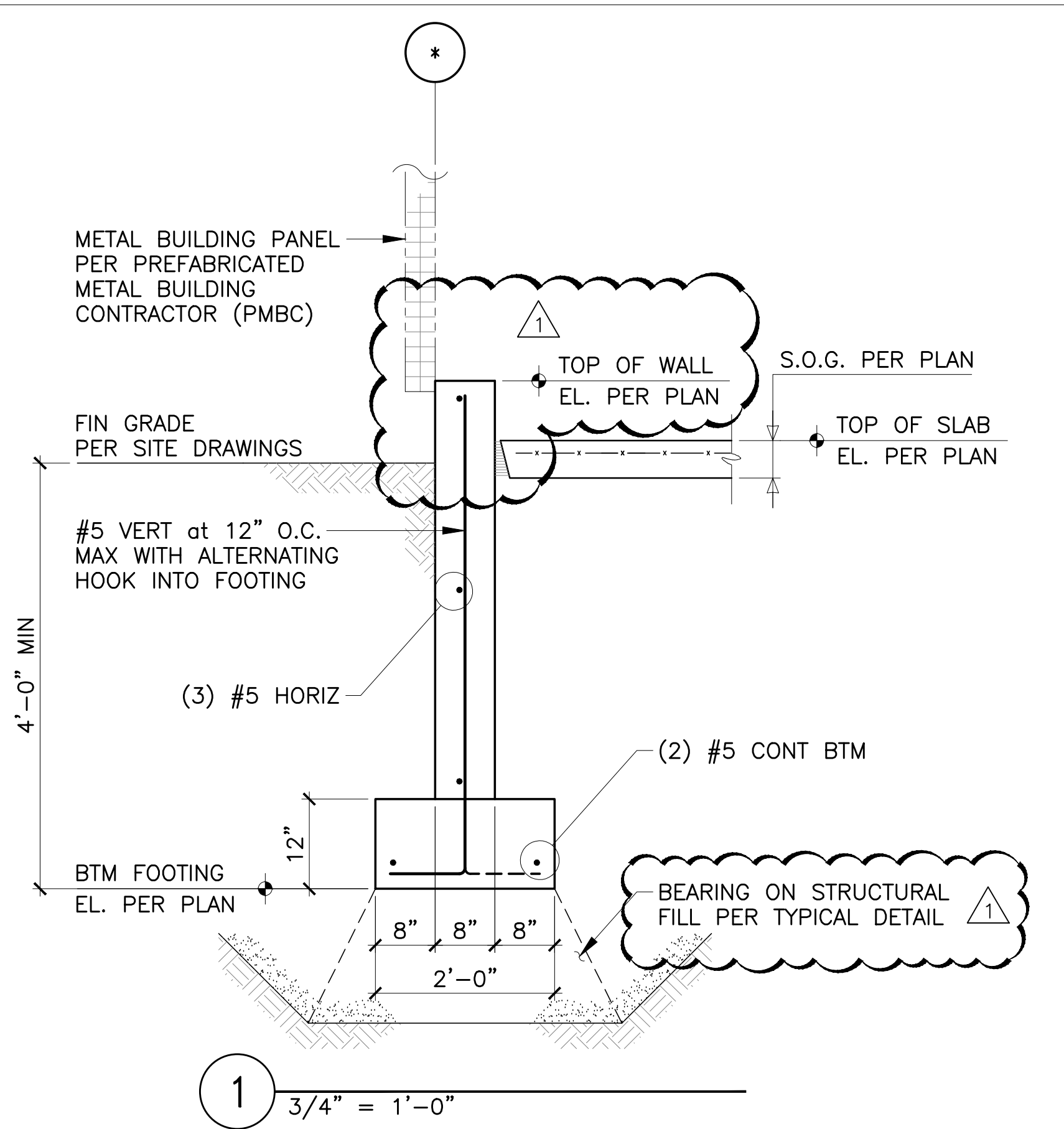
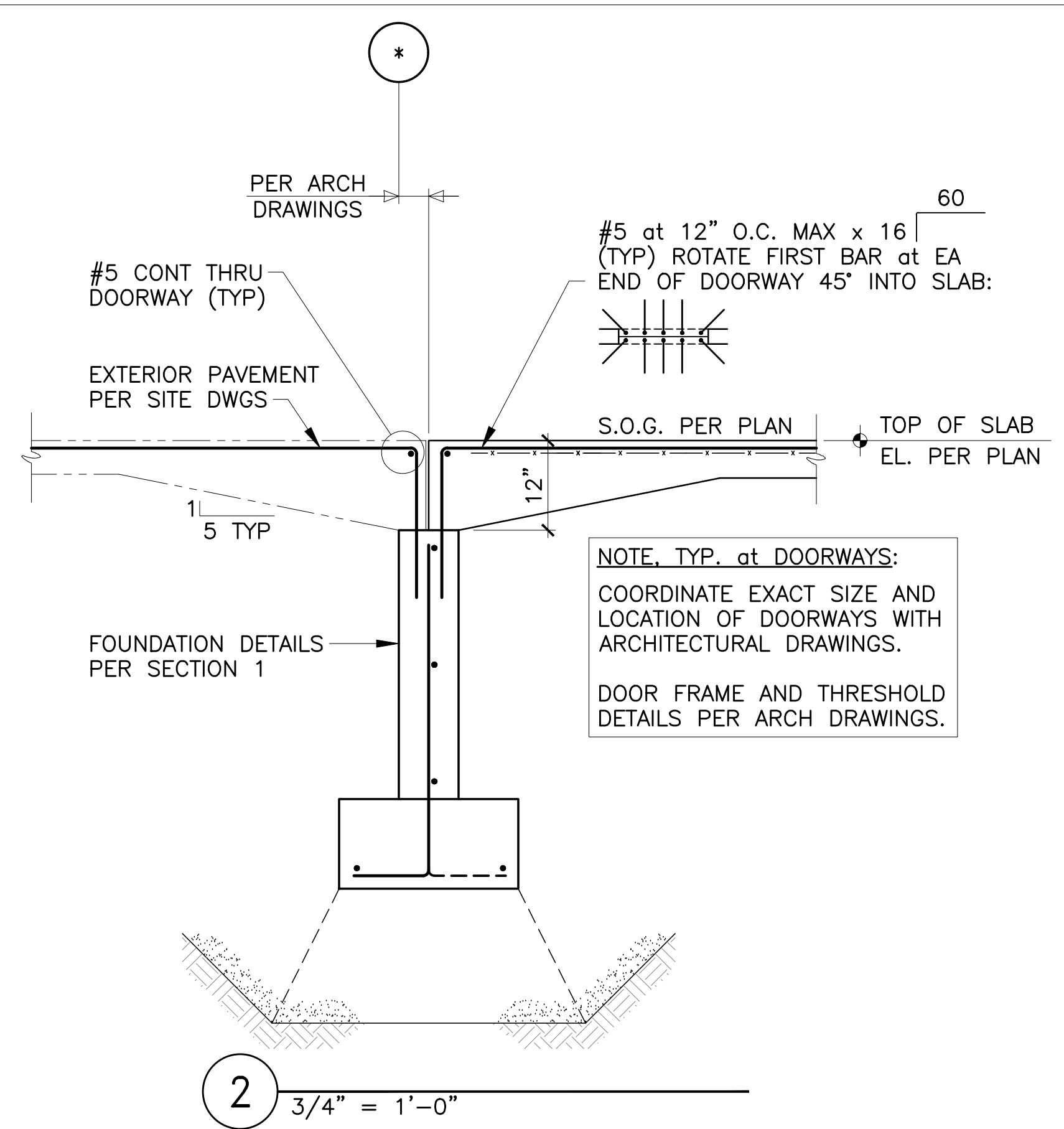
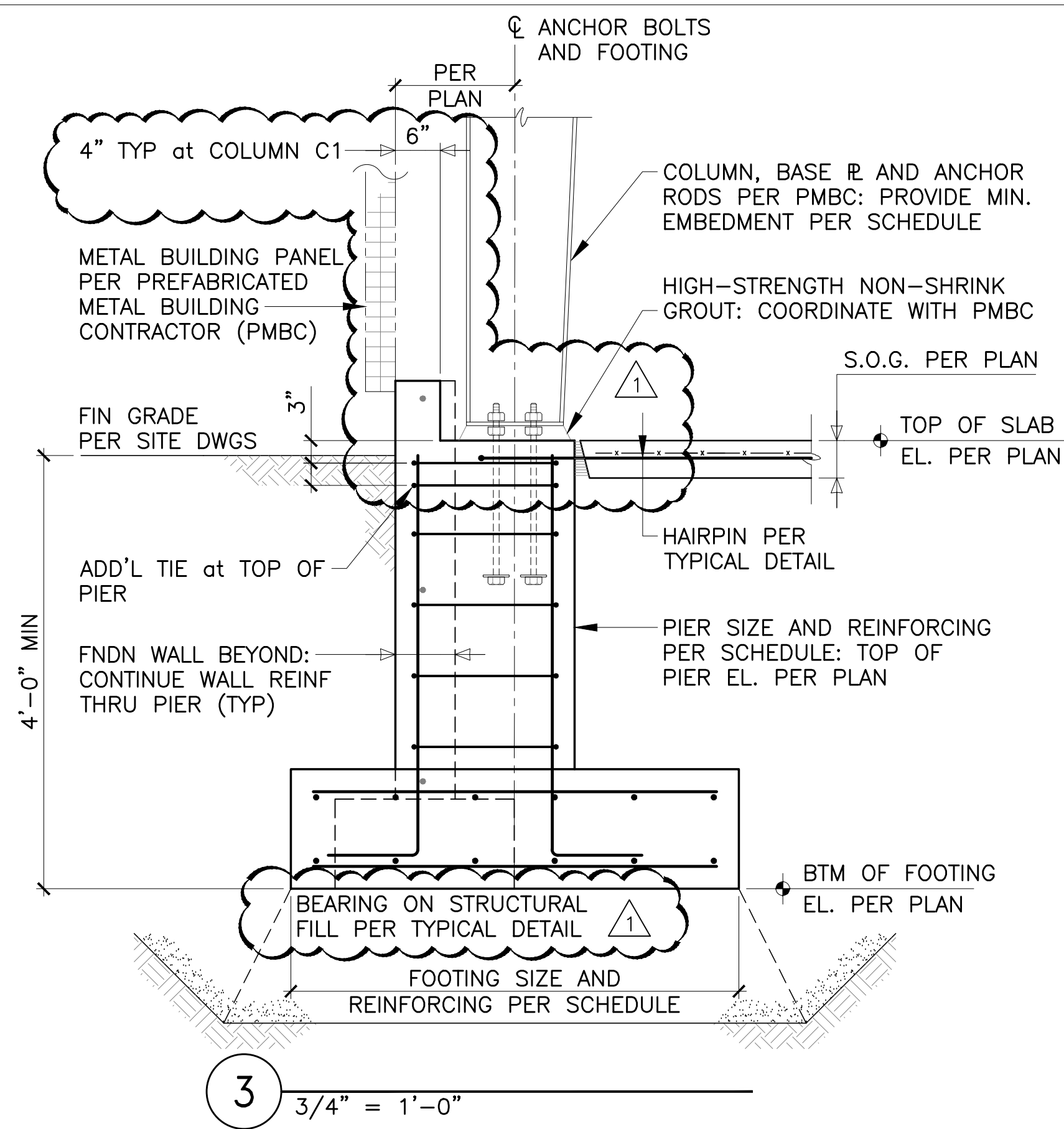
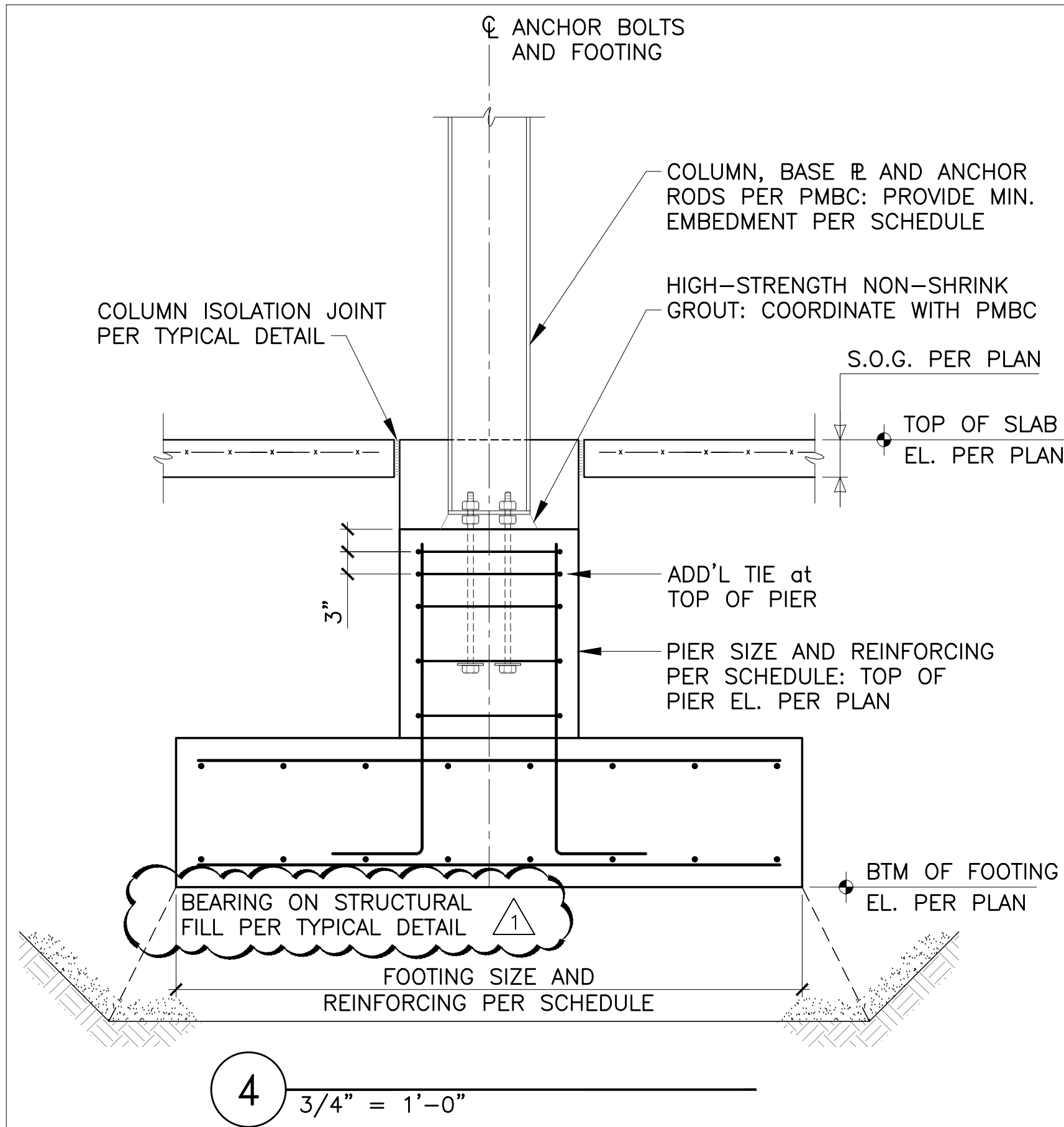
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1 12/1/2025 Pre Bid Revisions

Project Status:

Date: 10.10.2025
Project Number: TAW 24003 (T.E. Job #25-50)
Sheet Title: TYPICAL DETAILS

NEW SHEET ADDED

Sheet Number: **S203**





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LLC

Project: Alden Green House

Project Address: 11580 WALDEN AVE
ALDEN, NY 14004

Drawing History: # Date Description

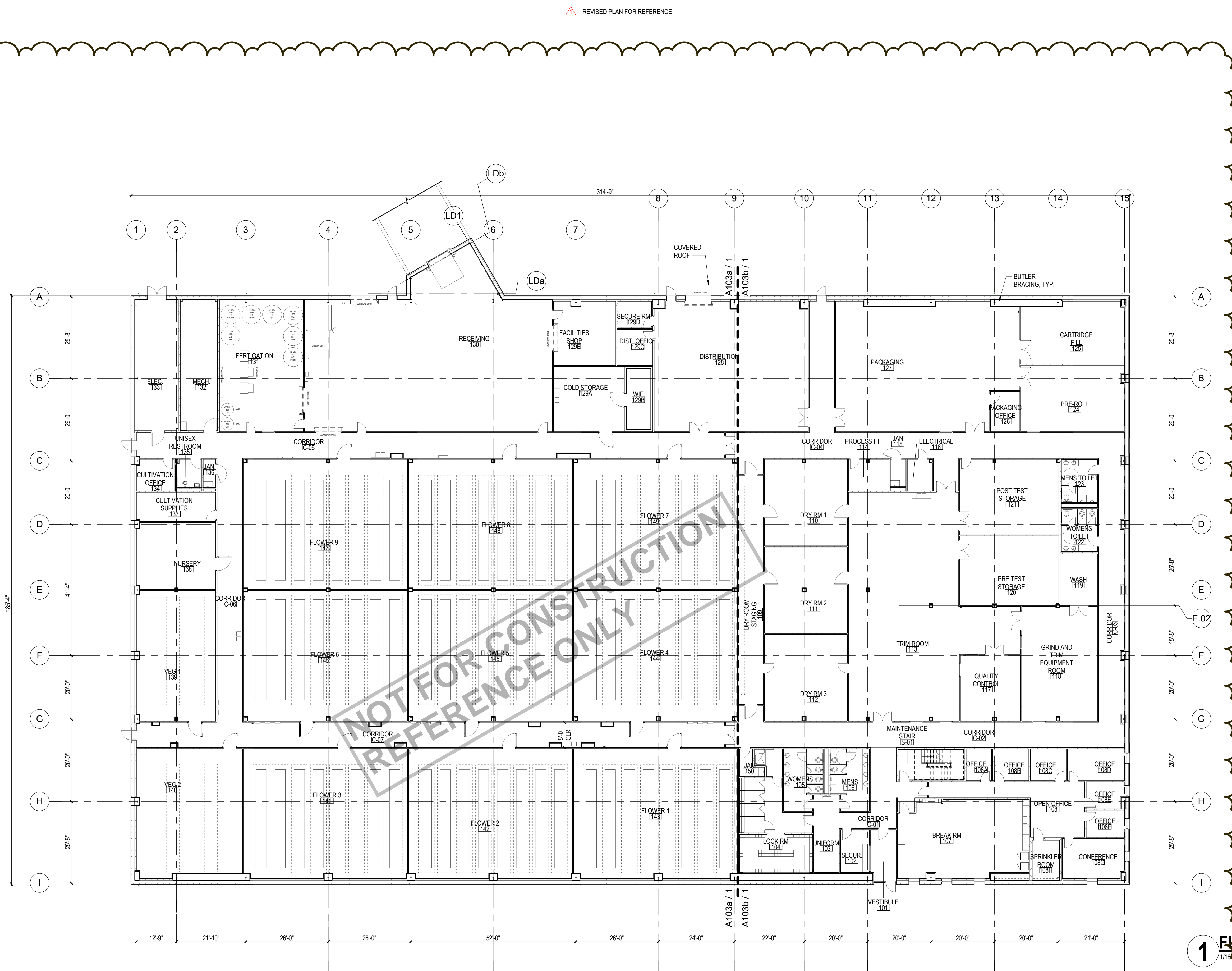
1 12/05/25 UNDERSLAB REV.

Date: 10/10/2025
Project Number: TA# 24003
Sheet Title:

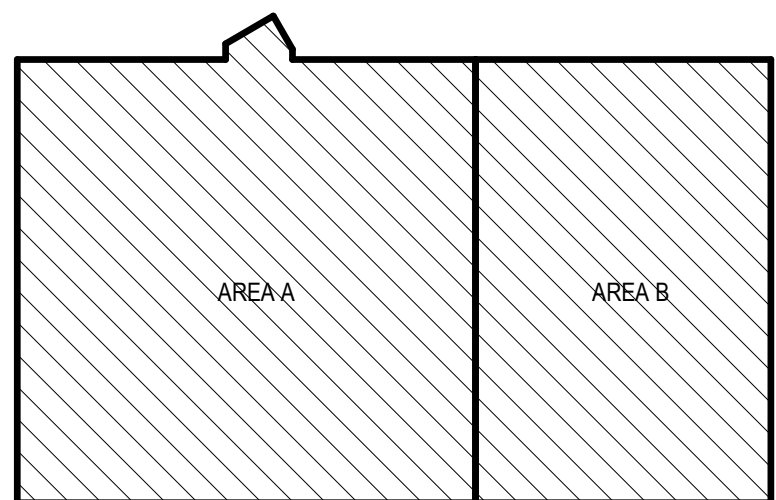
OVERALL
EQUIPMENT AND
FURNITURE PLAN

Sheet Number:

A103



1 FLOOR PLAN
1/16" = 1'-0"



KEY PLAN
NOT TO SCALE



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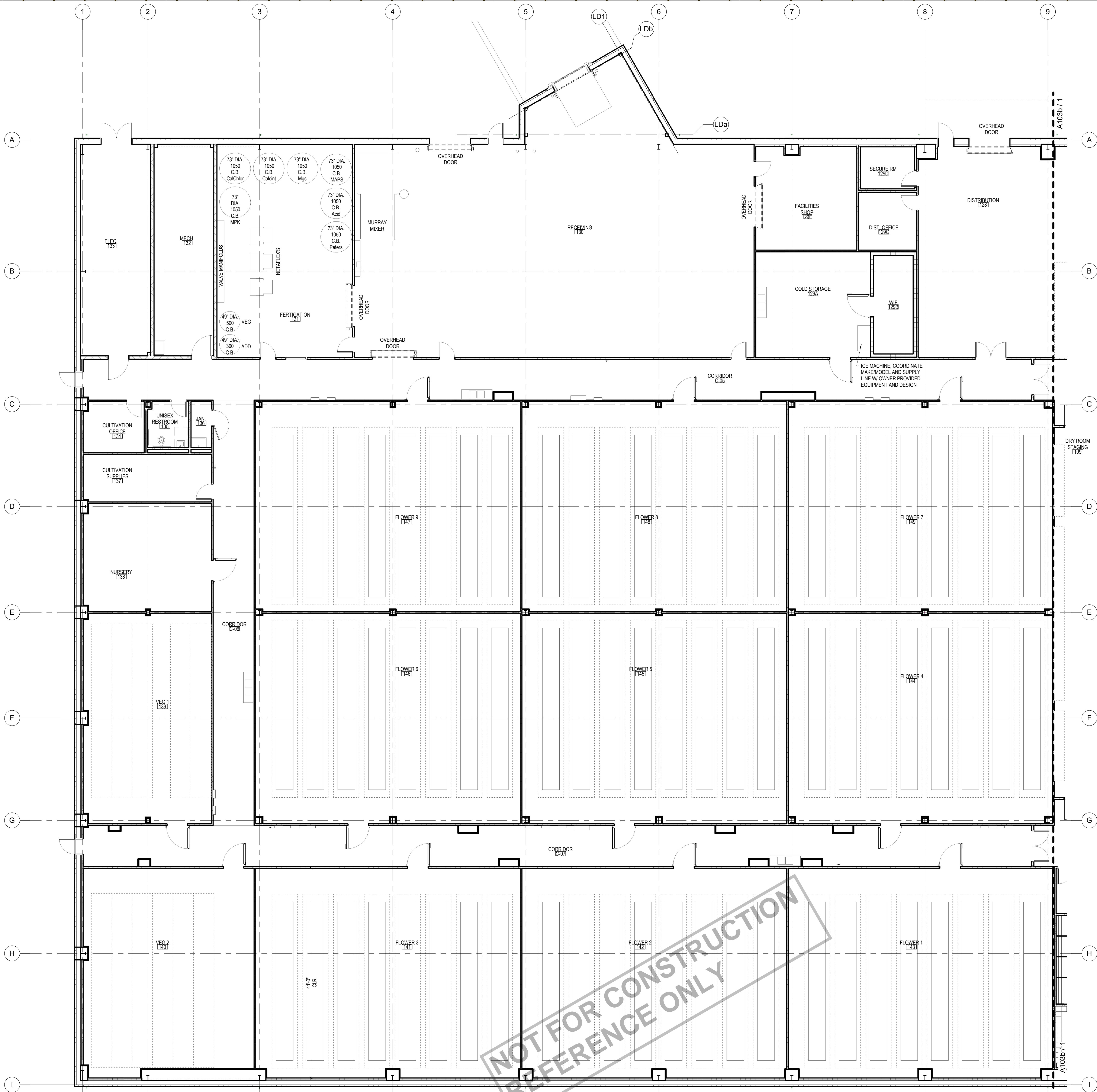
Project: Alden Green House

Project Address: 11580 WALDEN AVE
ALDEN, NY 14004

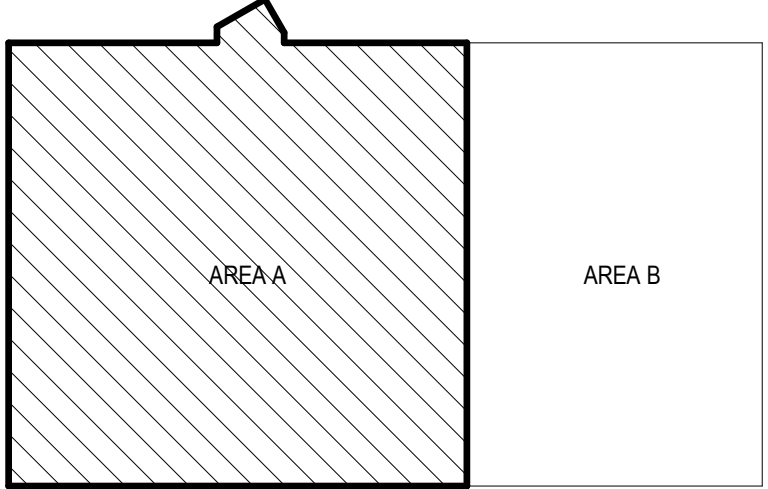
Drawing History: # Date Description
1 12/05/25 UNDERSLAB REV.

Date: 10/10/2025
Project Number: TAP 24003
Sheet Title: **PARTIAL
EQUIPMENT AND
FURNITURE PLAN
AREA-A**

Sheet Number: **A103a**



△ REVISED PLAN FOR REFERENCE



KEY PLAN - AREA A
NOT TO SCALE

1 ENLARGED FLOOR PLAN
NOT TO SCALE

NOT FOR CONSTRUCTION
REFERENCE ONLY



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ENGINEERS

BUFFALO, NY 14210

1580 Walden Ave
LC

Walden Green House

580 WALDEN AVE
DEN, NY 14004

#	Date	Description
1	12/05/25	UNDERSLAB REV.

10/2025
24003
PARTIAL

PARTIAL EQUIPMENT AND FURNITURE PLAN AREA-B

A103b

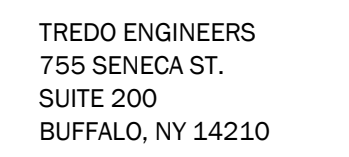


KEY PLAN - AREA B
NOT TO SCALE

- A. BUILDING ENVELOPE AND STRUCTURE BY PRE-ENGINEERED BUILDING (PEMB) MANUFACTURER UNLESS NOTED OTHERWISE.
- B. REFER TO ENLARGED FLOOR PLANS, WALL SECTIONS, AND DETAILS FOR MORE INFORMATION.
- C. COORDINATE EQUIPMENT, SIGNAGE, AND FURNITURE INSTALLATION WITH ALL TRADES AS REQUIRED.
- D. ARCHITECT TO SELECT EXTERIOR INSULATED METAL PANEL FROM FULL RANGE OF PATTERNS AND COLORS.



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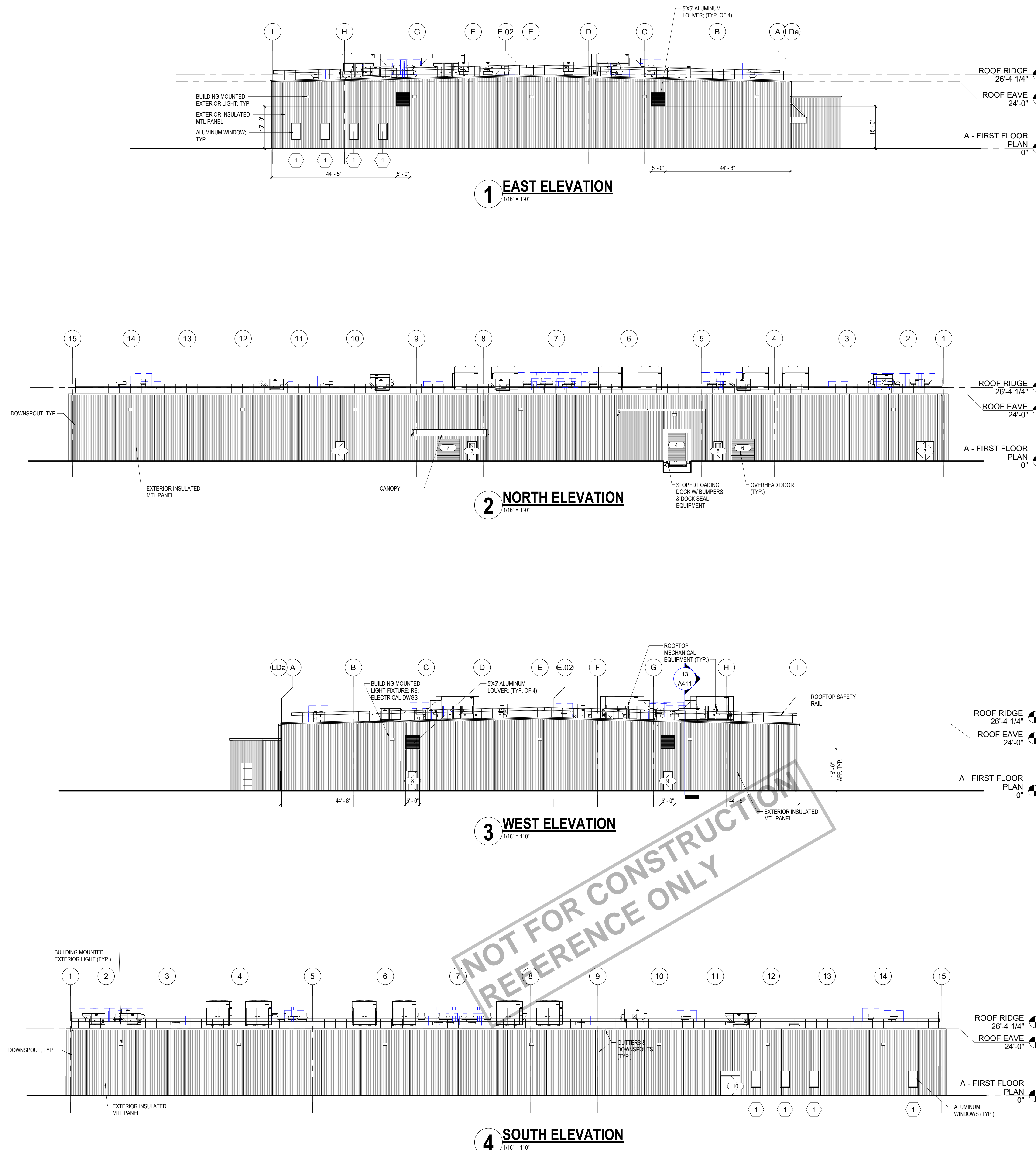


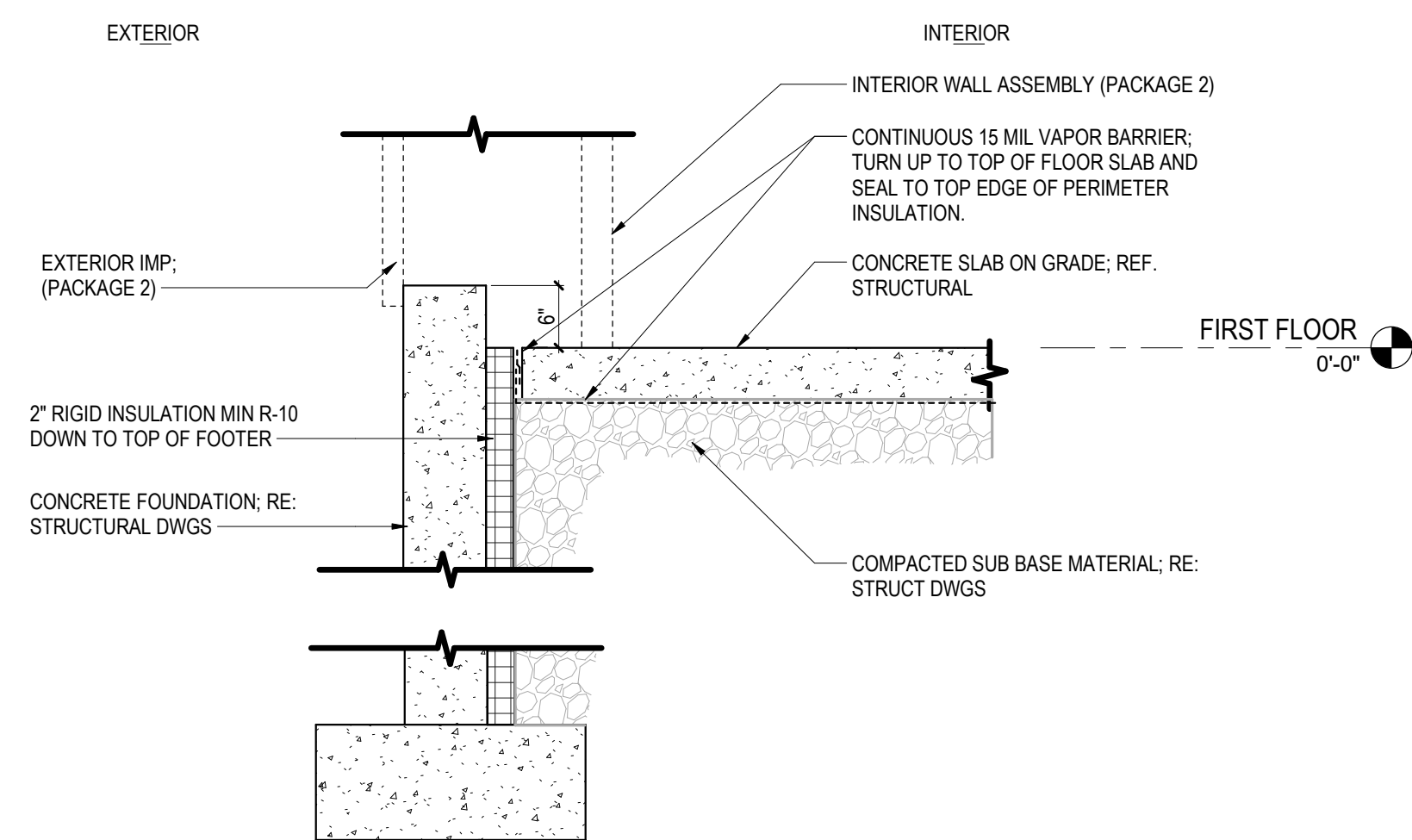
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Project: Alden Green House

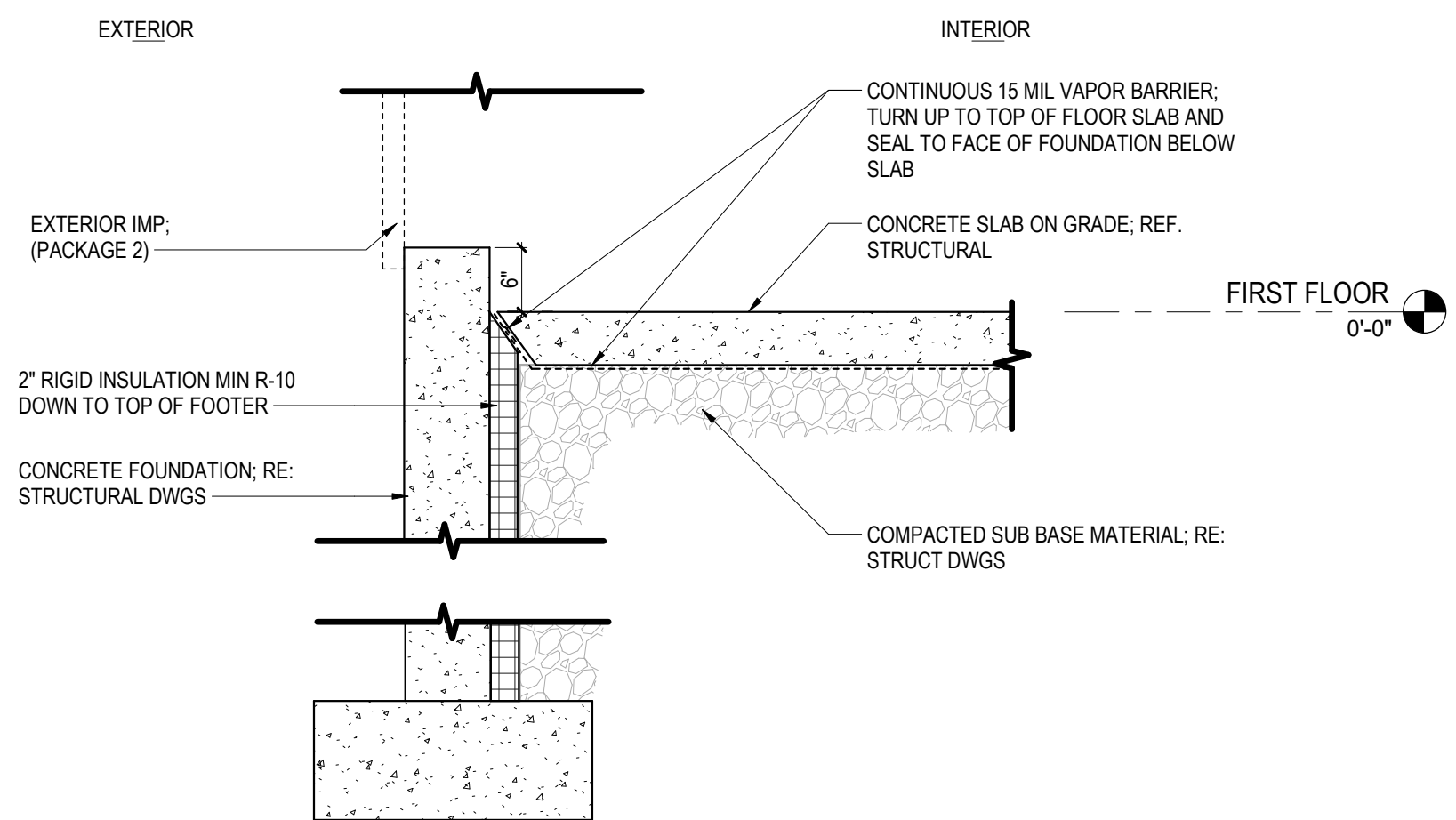
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	1	12/05/25	UNDERSLAB REV.

Sheet Number: **A201**

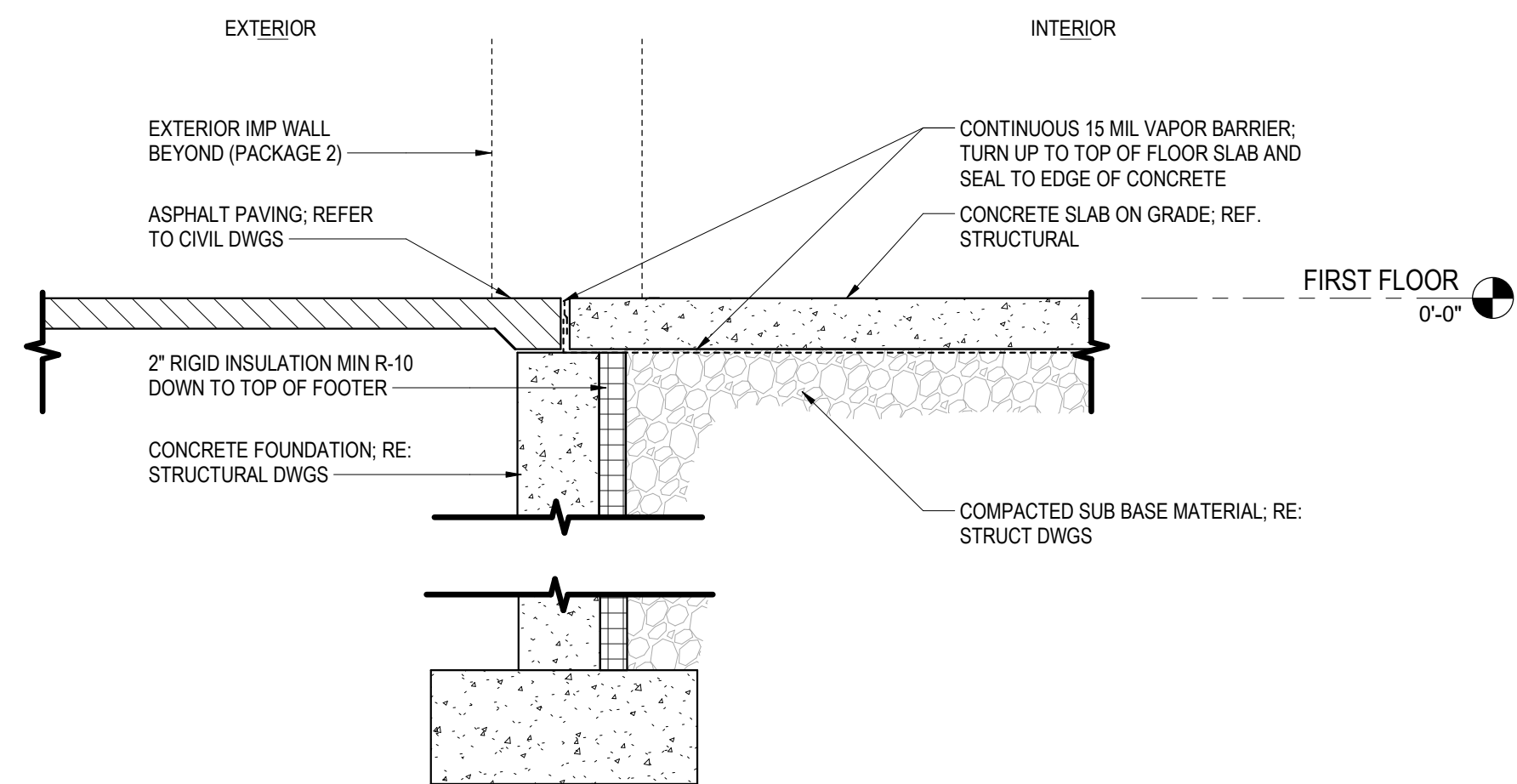




A FOUNDATION SECTION DETAIL 'A'
3/4" = 1'-0"

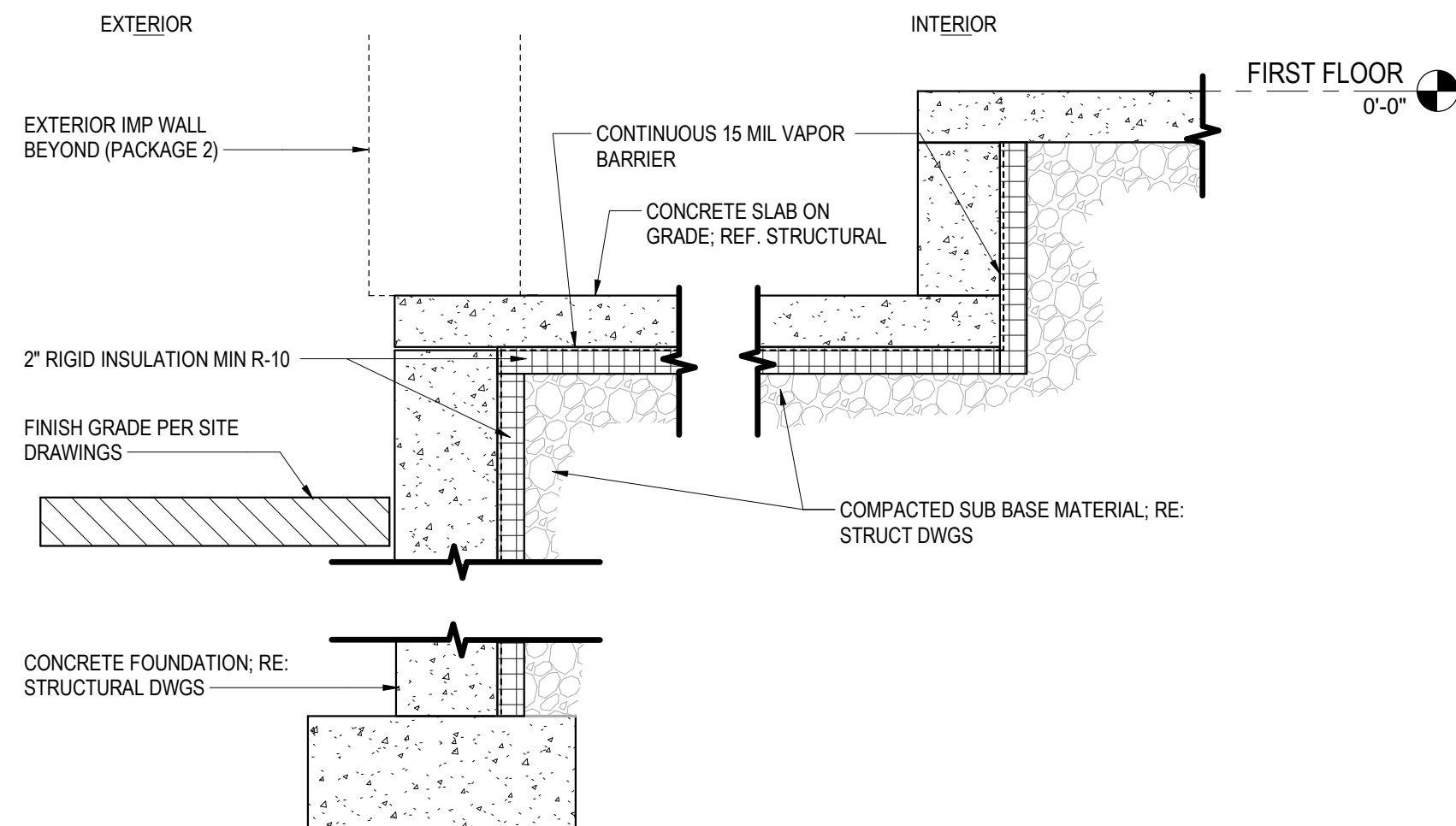


B FOUNDATION SECTION DETAIL 'B'
3/4" = 1'-0"

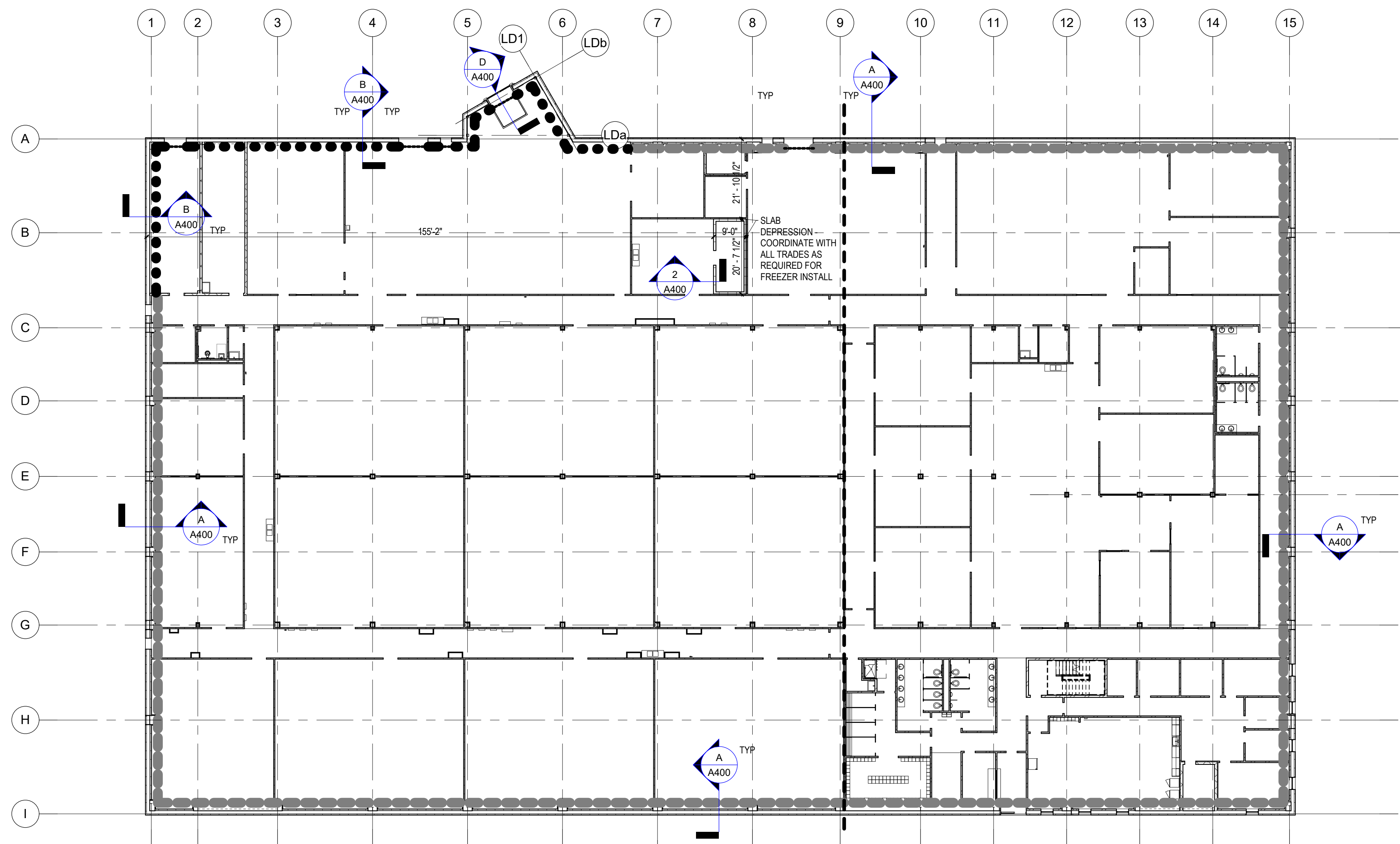


C FOUNDATION SECTION DETAIL 'C'
3/4" = 1'-0"

TYPICAL AT ALL DOOR OPENINGS IN EXTERIOR WALLS.



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

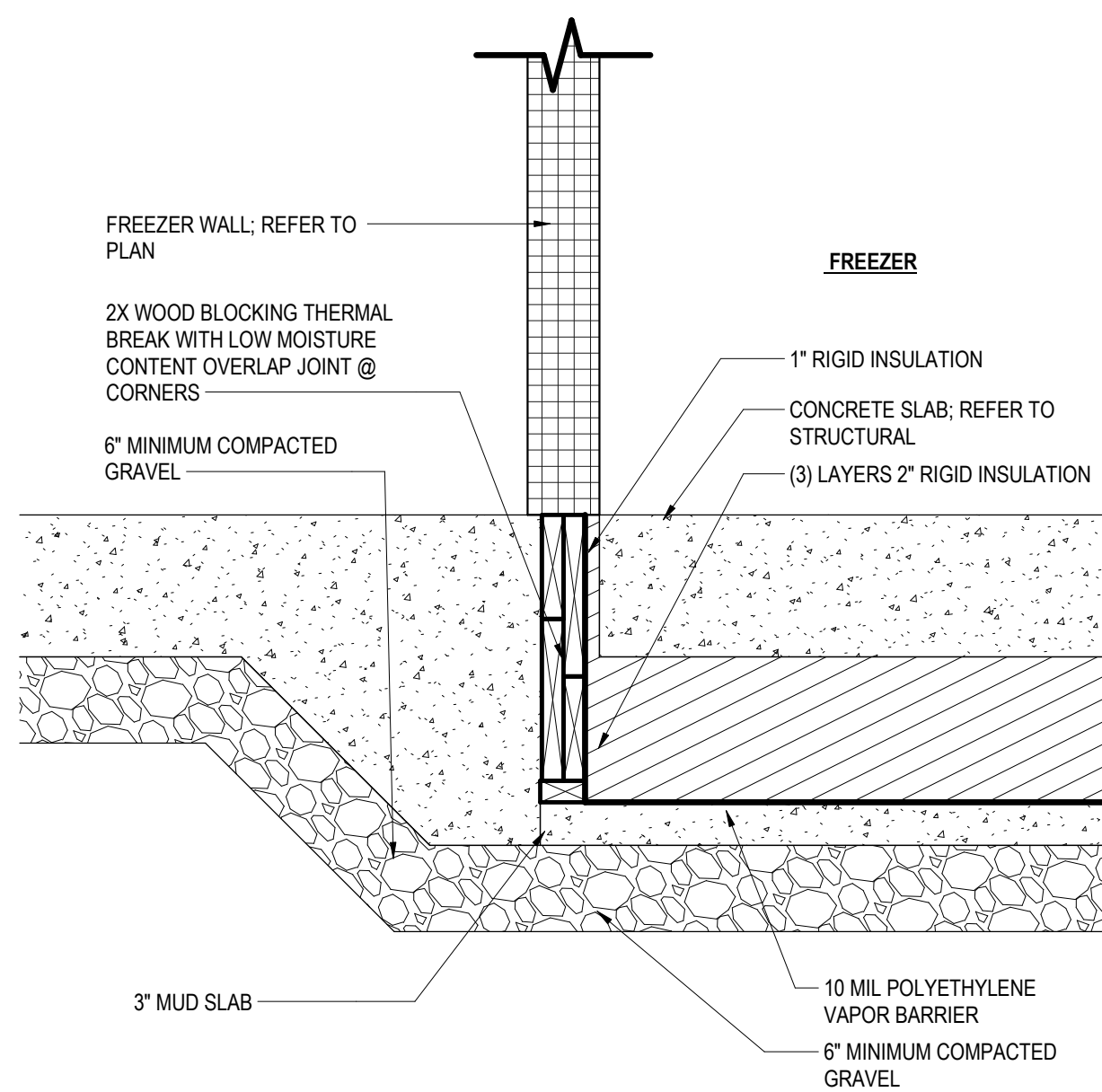


1 A - FIRST FLOOR PLAN
1" = 20'-0"
REFERENCED FROM SHEET: A201

LEGEND

FOUNDATION SECTION 'A'

FOUNDATION SECTION 'B'



NOTE: ALL COOLER/FREEZER BOXES TO START AT 0'-0". BOXES THAT FALL INTO THE RECESSED CONCRETE AREA TO BE SHIMMED WITH PLASTIC SHIMS AND ANY GAPS TO BE FOAMED WITH A CLOSED CELL LOW EXPANDING FOAM

NOTE: TOP OF WOOD THERMAL BREAK TO BE KEPT CLEAN FROM ALL CONCRETE

2 SECTION AT FREEZER WALL
1" = 1'-0"

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Client: 11580 Walden Ave
LLC

Project: Alden Green House

Project Address: 11580 WALDEN AVE
ALDEN, NY 14004

Drawing History: # Date Description

Date: 12/05/2025
Project Number: TAP 24003
Sheet Title: **FOUNDATION DETAILS**

Sheet Number: **A400**

PLUMBING FIXTURE SCHEDULE - UNDERSLAB COMPONENTS											
TAG	--	FIXTURE	MATERIAL	TYPE	OPERATOR/ FITTING	DCW	DTW	DHW	WASTE	VENT	NOTES & ACCESSORIES
FD-1	DESCRIPTION	FLOOR DRAIN	CAST IRON	BOTTOM OUTLET	WATTS TRAP PRIMER	1/2"	NA	--	3"	2"	PROVIDE MINIMUM 5" ROUND STRAINER. PROVIDE WITH TRAP GUARD.
	MANUFACTURER	WATTS	--	FD-100-A	--	--	--	--	--	--	
FS-1	DESCRIPTION	FLOOR SINK	CAST IRON	8x8 A.R.E. FLOOR SINK 6 SUMP DEPTH, MODEL FD2376-NH3-T	NA	NA	NA	NA	3"	2"	PROVIDE WITH 3/4 GRATE. VERIFY GRATE SIZE IN FIELD.
	MANUFACTURER	ZURN	--			--	--	--	--	--	
FS-2	DESCRIPTION	FLOOR SINK	CAST IRON	12x12 A.R.E FLOOR SINK 8 SUMP DEPTH, MODEL...	NA	NA	NA	NA	3"	2"	PROVIDE WITH 3/4 GRATE. VERIFY GRATE SIZE IN FIELD.
	MANUFACTURER	ZURN	--								
TD-1	DESCRIPTION	TRENCH DRAIN	HDPE	6-1/4 WIDE REVEAL TRENCH DRAIN SYSTEM, MODEL Z886-US-SVF-8DC-DB	NA	NA	NA	NA	3"	2"	PROVIDE ANY ACCESSORIES REQUIRED BY MANUFACTURER.
	MANUFACTURER	ZURN	--			--	--	--	--	--	
NOTES:											

PIPE SCHEDULE	
SERVICE	MATERIAL
SANITARY / VENT	DWV PVC

PLUMBING SYMBOLS / ABBREVIATIONS LEGEND:

-----	NEW PIPING	○-H	VIR
-----	DEMOLITION	○	
-----	EXISTING TO REMAIN	○	
- - - - -	VENT	○	
-----	STORM / RAINWATER DRAIN	○	
-----	SOIL, WASTE, OR SANITARY SEWER (SAN)	○	
-----	NATURAL GAS	○	
-----	EMERGENCY (SECONDARY) STORM DRAIN	○	
-----	CONDENSATE DRAIN (COND)	○	
-----	DOMESTIC COLD WATER (DCW)	○	
-----	DOMESTIC HOT WATER (DHW)	○	
-----	RECIRCULATING DOMESTIC HOT WATER (DHW)	○	
-----	SHUTOFF VALVE	○	
-----	CLEANOUT PLUG	○	
-----	FLOOR CLEANOUT	○	
-----	WALL CLEANOUT	○	
-----	STRAINER	○	
-----	PUMP	○	
-----	WATER HAMMER ARRESTER (SIZE INDICATED)	○	
-----	HOSE BIBB (HB) OR WALL HYDRANT (WH)	○	
-----	GAS COCK, GAS STOP	○	
-----	BALANCING VALVE	○	
-----	SOLENOID OPERATED VALVE	○	
-----	BACKFLOW PREVENTER	○	
-----	RPZ = REDUCE PRESSURE ZONE TYPE	○	
-----	CHECK VALVE	○	
-----	EXPANSION JOINT (EJ)	○	

GENERAL PLUMBING NOTES:

- WHERE PIPING, FIXTURE, OR EQUIPMENT IS INDICATED TO BE PROVIDED, PROVIDE FIXTURE, PIPING, AND ALL ASSOCIATED ACCESSORIES, INCLUDING SUPPLY FITTINGS, FAUCET, TRAP, SUPPORTS, HANGERS, INSULATION, ETC. EXTEND PIPING ACCORDING TO DRAWINGS AND AS NECESSARY TO CONNECT FIXTURES AND EQUIPMENT. SEE SCHEDULES AND SPECIFICATIONS FOR DETAILS.
- COORDINATE INSTALLATION WITH ALL OTHER TRADES, INCLUDING OTHER PIPING, DUCTWORK, GRILLES, LIGHTS, ETC. AS WELL AS THE EXISTING STRUCTURE. CEILING SPACE IS VERY LIMITED AND INSTALLATION BE CAREFULLY COORDINATED. COORDINATE PIPING INSTALLATION IN CHASES WITH ALL OTHER CONTRACTORS.
- COORDINATE ALL FLOOR PENETRATIONS WITH THE GENERAL CONTRACTOR.
- INSTALL ALL MATERIALS AND EQUIPMENT ACCORDING TO MANUFACTURES INSTRUCTIONS AND RECOMMENDATIONS AND ACCORDING TO CODE.
- ALL PIPING, EQUIPMENT, AND ALL ACCESSORIES IN ALL AREAS, ARE TO BE INSTALLED TIGHT TO THE STRUCTURE TO ALLOW THE GREATEST FLOOR TO CEILING CLARENCE POSSIBLE. VERIFY EXACT ROUTING IN FIELD.
- PROVIDE FIRESTOPPING AT ALL PIPE PENETRATIONS THROUGH ALL FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATINGS.
- LABEL ALL PIPING, VALVES, EQUIPMENT, SPECIALTIES, ETC. ACCORDING TO CODE AND TO SPECIFICATIONS.
- INSULATE ALL PIPING ACCORDING TO NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND TO SPECIFICATIONS.
- PROVIDE ALL TESTING AND ADJUSTING ACCORDING TO CODE AND TO SPECIFICATIONS.
- ALL VALVES OR OTHER EQUIPMENT REQUIRING FUTURE SERVICEMAINTEANCE ARE TO BE LOCATED IN ACCESSIBLE AREA. PROVIDE LOCKABLE ACCESS DOORS WHERE REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
- ALL PLUMBING WORK MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ALL AUTHORITIES HAVING JURISDICTION.
- REFER TO STRUCTURAL DETAIL 3 ON S102 FOR TYPICAL OPENING REINFORCEMENT AT EXISTING CONCRETE. JOIST AND DETAIL 3 ON S803 FOR TYPICAL REINFORCEMENT FOR OPENING IN EXISTING SLAB. COORDINATE PIPE PENETRATIONS WITH ALL OTHER TRADES PRIOR TO FLOOR CUTTING. AVOID CUTTING EXISTING CONCRETE JOISTS.



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Project: ALDEN GREEN HOUSE

Project Address: 11580 WALDEN AVE
TOWN OF ALDEN
NY 14004

Drawing History:	#	Date	Description
	1	10/23/25	PLM PDF/SIMS, REV.

Date: 10/10/2025
Project Number: 24003
Sheet Title: UNDERSLAB PLUMBING NOTES AND SCHEDULES

Sheet Number: P001



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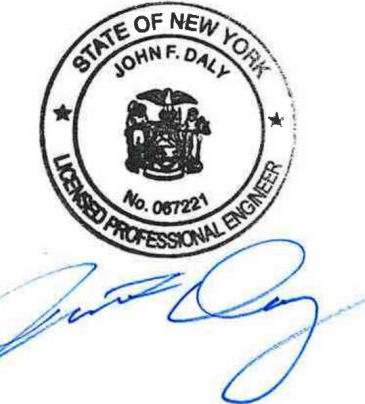
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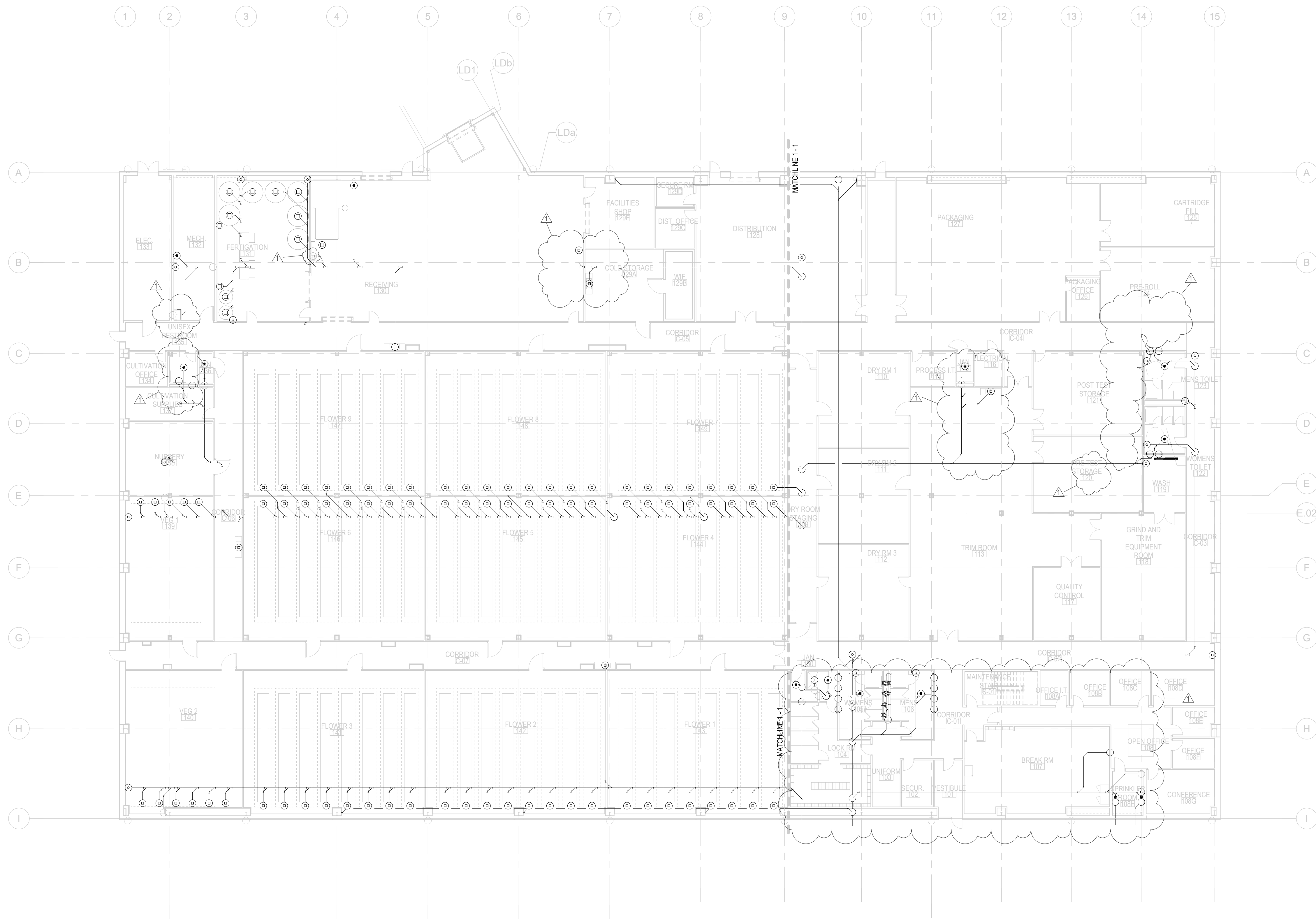
Project: ALDEN GREEN
HOUSE

Project Address: 11580 WALDEN AVE
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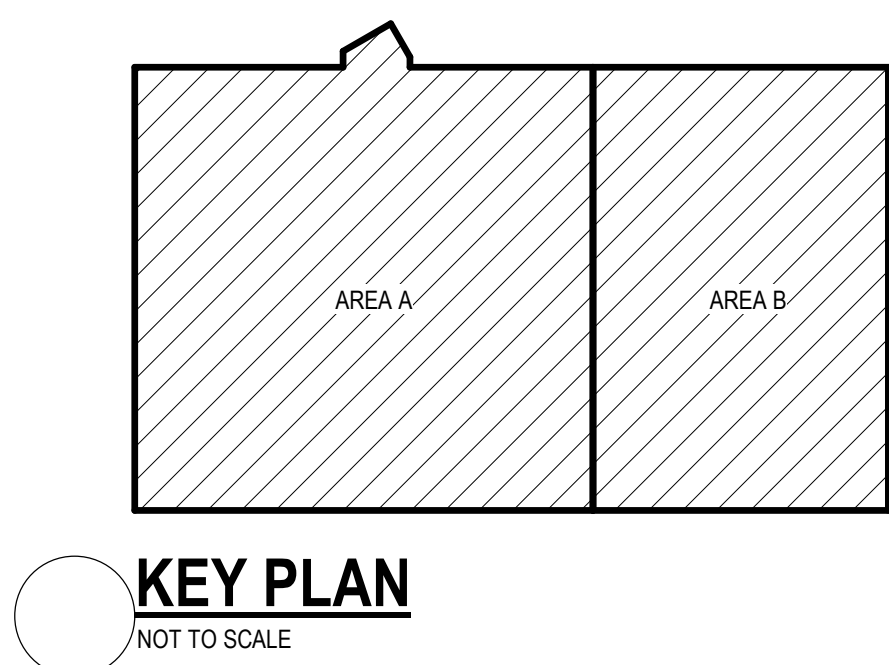
Drawing History: # Date Description
1 12/03/25 UNDERSLAB REV.

Date: 10/10/2025
Project Number: 24003
Sheet Title: **OVERALL
UNDERSLAB
PLUMBING PLAN**

Sheet Number: **P101**



1 OVERALL UNDERSLAB PLUMBING PLAN
1/16" = 1'-0"





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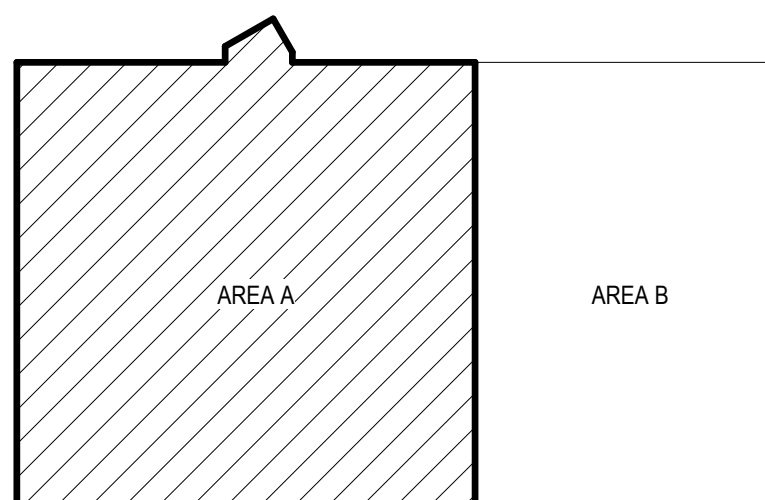
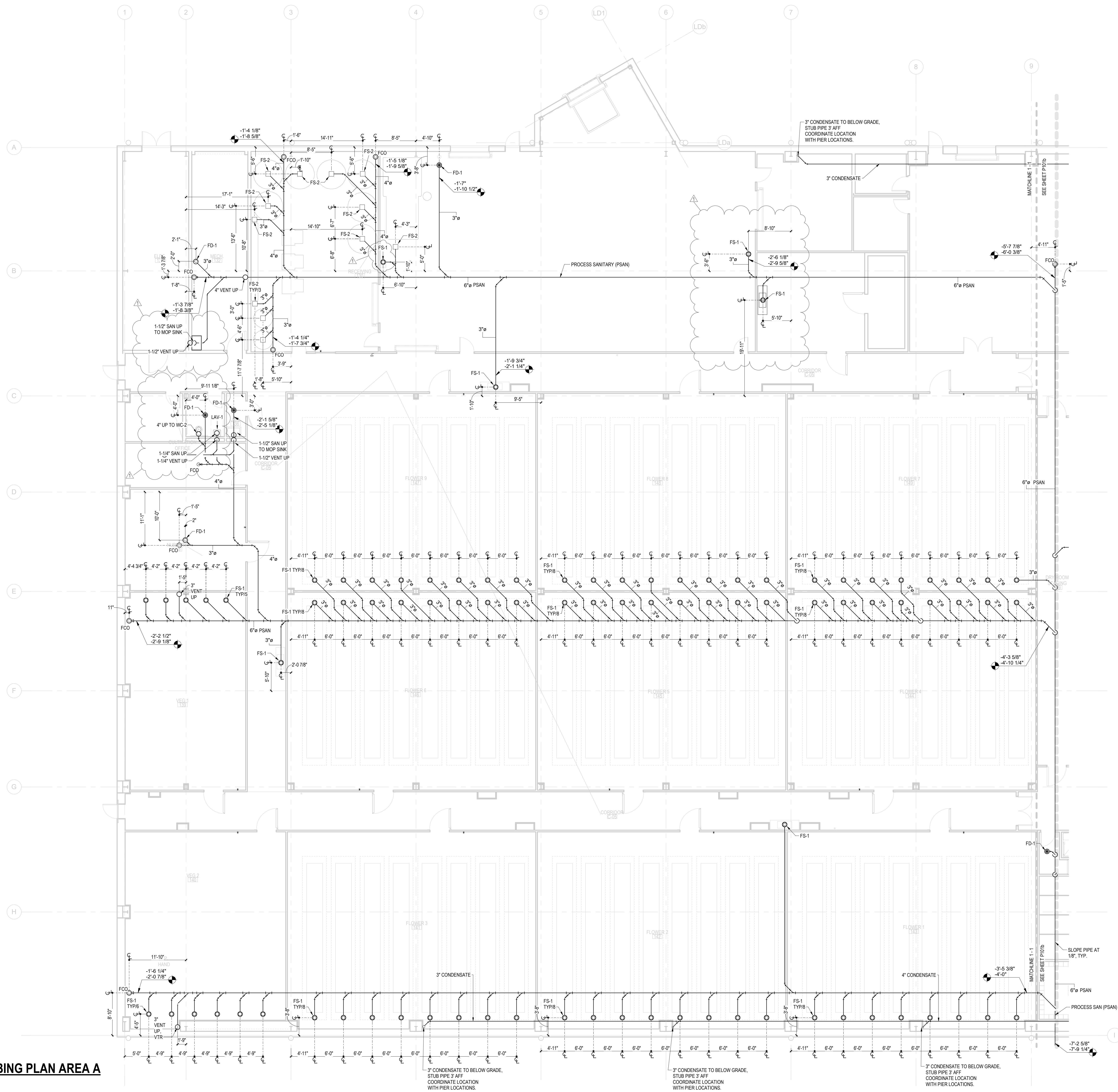
Project: ALDEN GREEN
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Project Address: 11580 WALDEN AVE
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Drawing History: # Date Description
1 12/03/25 UNDERSLAB REV.

Date: 10/10/2025
Project Number: 24003
Sheet Title: **PARTIAL
UNDERSLAB
PLUMBING PLAN
AREA A**

Sheet Number: **P101a**



KEY PLAN AREA A
NOT TO SCALE

1 PARTIAL UNDERSLAB PLUMBING PLAN AREA A
1/8" = 1'-0"



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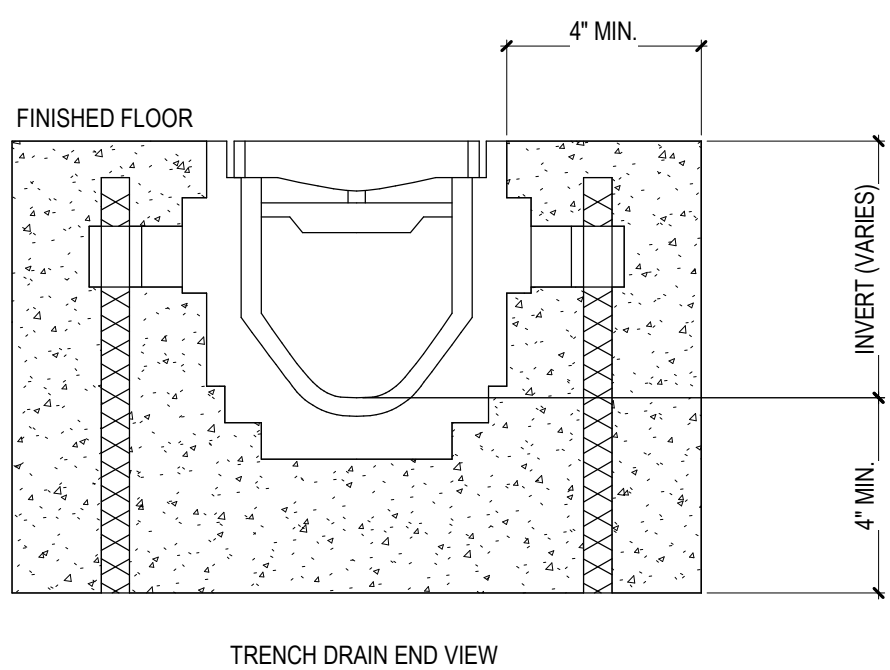
Project: ALDEN GREEN
HOUSE

Project Address: 11580 WALDEN AVE
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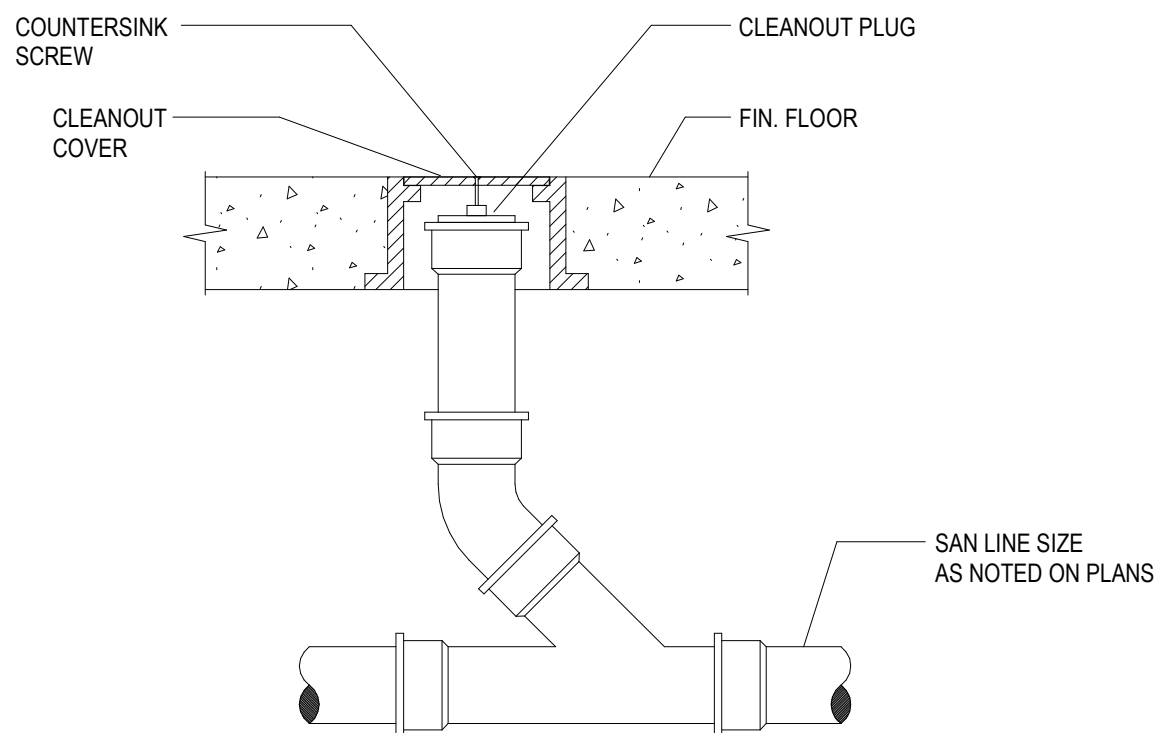
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Date: 10/10/2025
Project Number: 24003
Sheet Title: **UNDERSLAB
PLUMBING DETAILS**

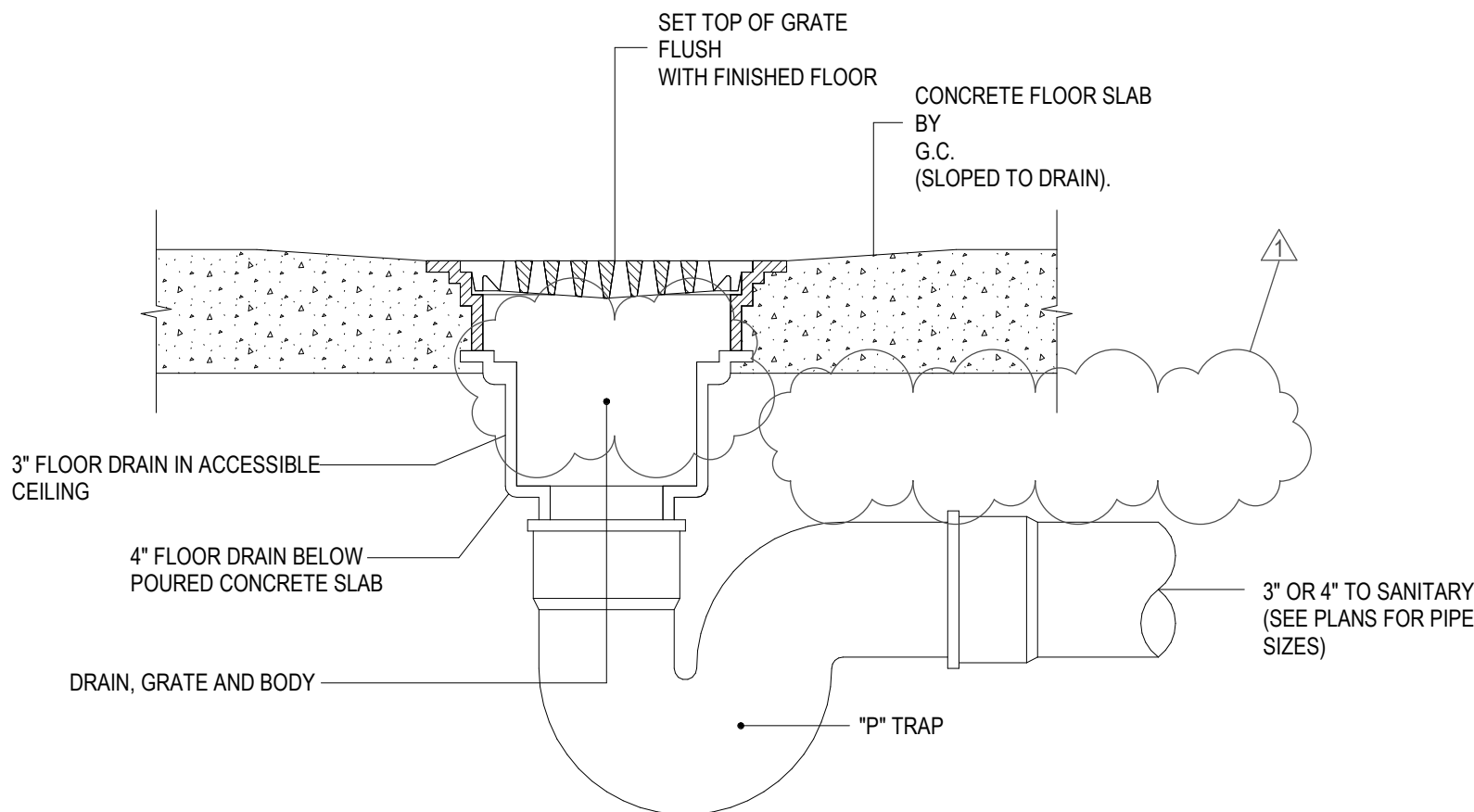
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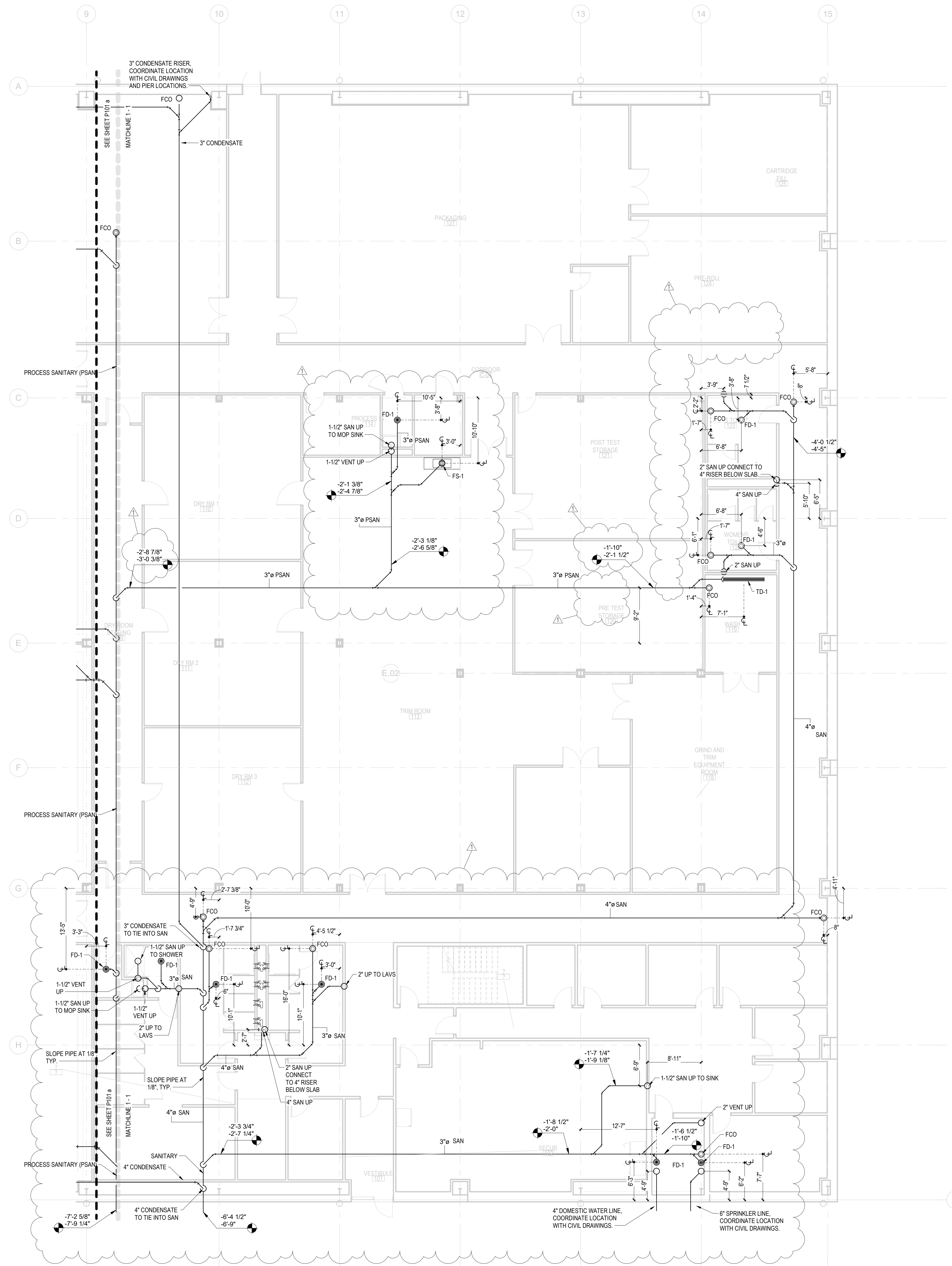
4 TRENCH DRAIN DETAIL
NOT TO SCALE



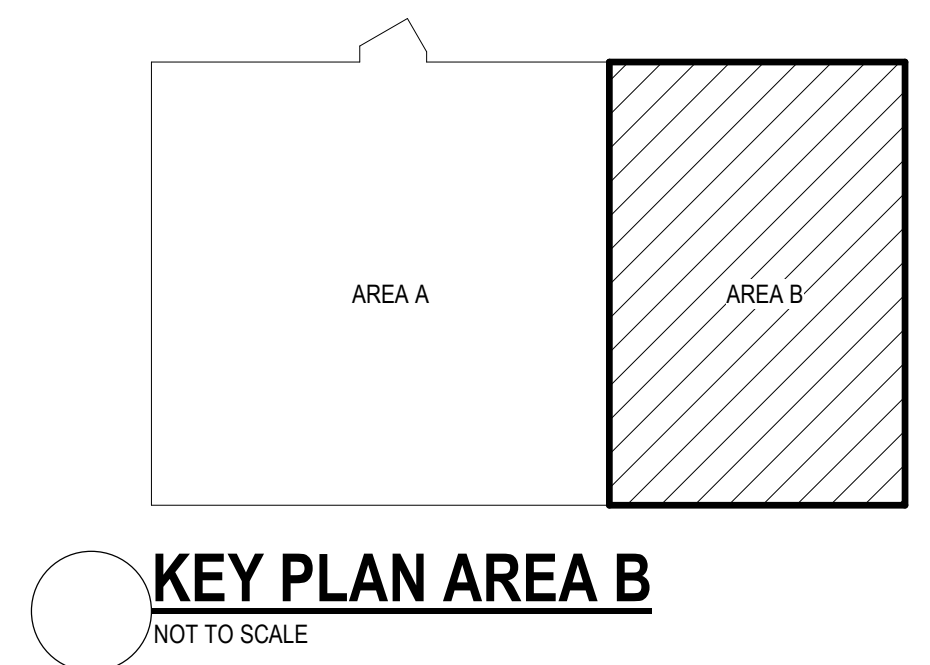
3 FLOOR CLEANOUT DETAIL
NOT TO SCALE



2 FLOOR DRAIN DETAIL
NOT TO SCALE



1 PARTIAL UNDERSLAB PLUMBING PLAN AREA B
1/8" = 1'-0"



ABBREVIATIONS:

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
FTL	FEED THRU LUGS
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
MLO	MAIN LUG ONLY
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

DISTRIBUTION / BRANCH WIRING	
SYMBOL	DESCRIPTION
	PANELBOARD/LOAD CENTER - REFER TO PANELBOARD SCHEDULE
	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
	TRANSFORMER
	UNDERGROUND ELECTRICAL CONDUIT

ONE-LINE DIAGRAMS	
SYMBOL	DESCRIPTION
	THERMAL MAGNETIC CIRCUIT BREAKER
	ELECTRONIC TRIP CIRCUIT BREAKER
	SWITCH
	FUSE
	GROUND FAULT PROTECTION DEVICE
	CURRENT TRANSFORMER
	VOLTAGE TRANSFORMER
	MULTIFUNCTION DIGITAL METER
	GROUND CONNECTION
	GENERATOR
	AUTOMATIC TRANSFER SWITCH
	PANELBOARD - REFER TO PANELBOARD SCHEDULE
	TRANSFORMER - REFER TO TRANSFORMER SCHEDULE
	UNIT SUBSTATION TRANSFORMER
	SURGE PROTECTION DEVICE (TVSS)
	SUBMETER

GENERAL	
DEVICES	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	
DEVICES	MOUNTING HEIGHT
RECEPTACLES	18" AFF
EXTERIOR RECEPTACLES	24" AFF
SWITCHES	44" AFF
DATA/TEL.COM OUTLETS	18" AFF
FIRE ALARM MANUAL PULLSTATIONS	44" AFF
RESIDENTIAL LOAD CENTERS	TOP AT 60" 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	



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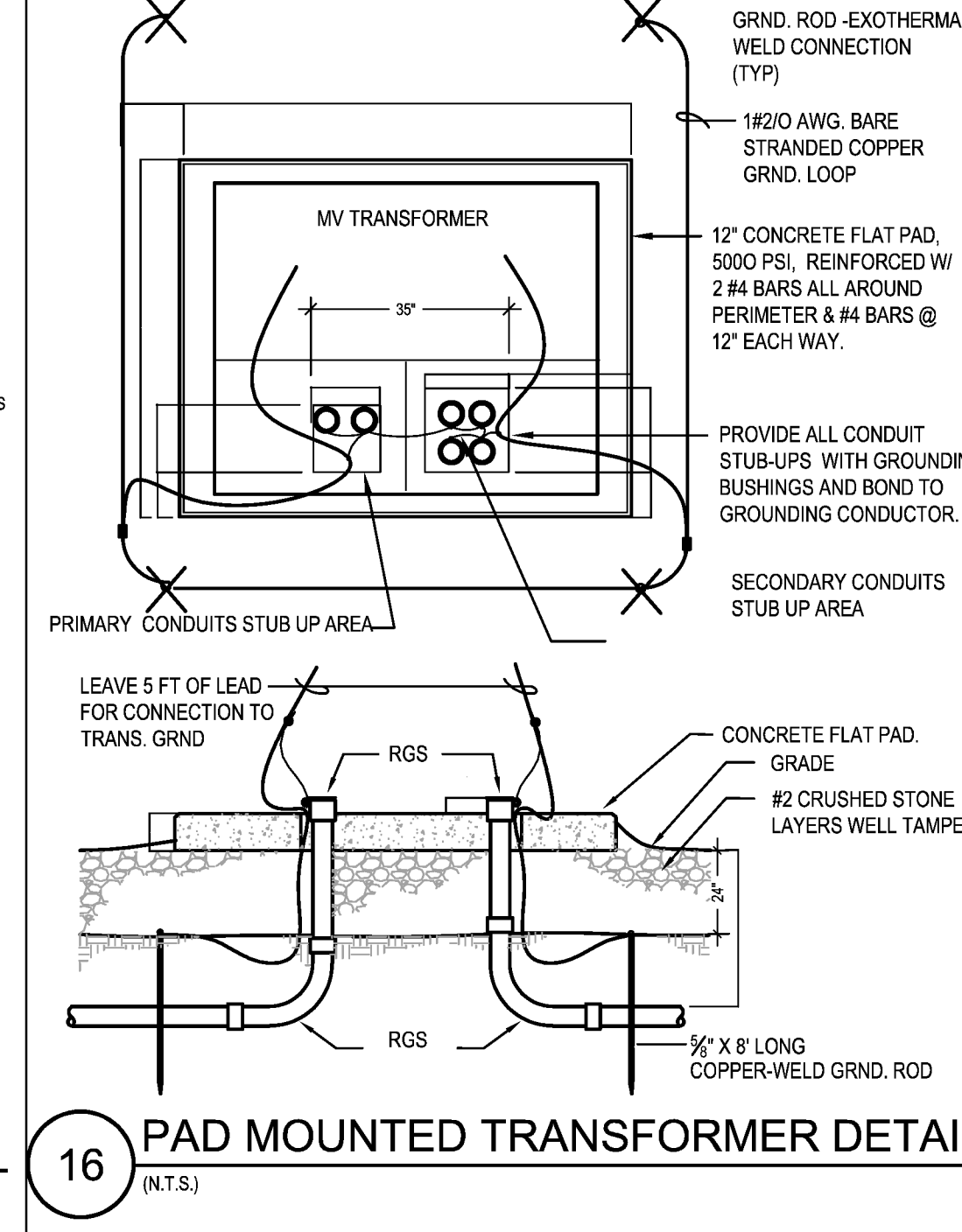
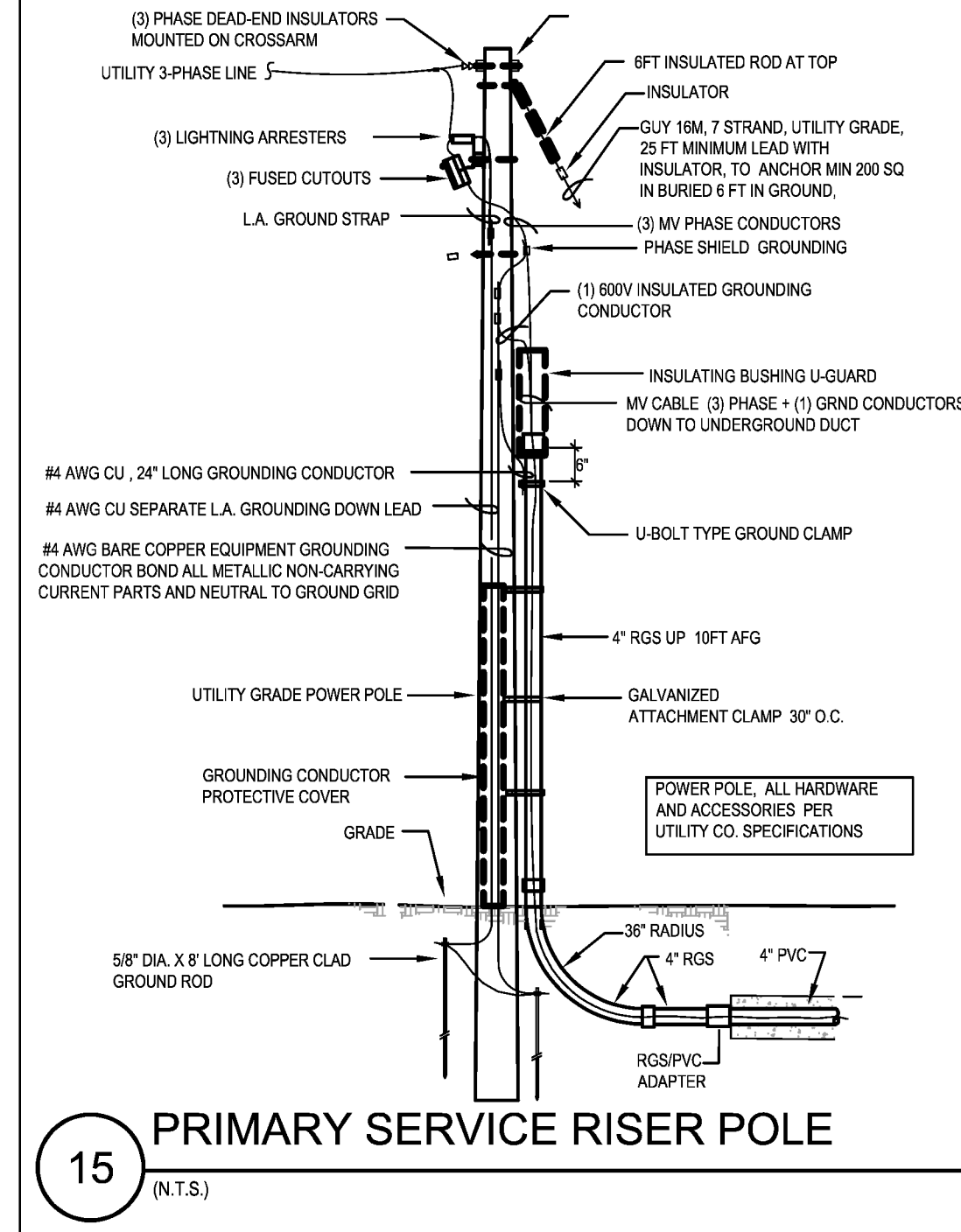
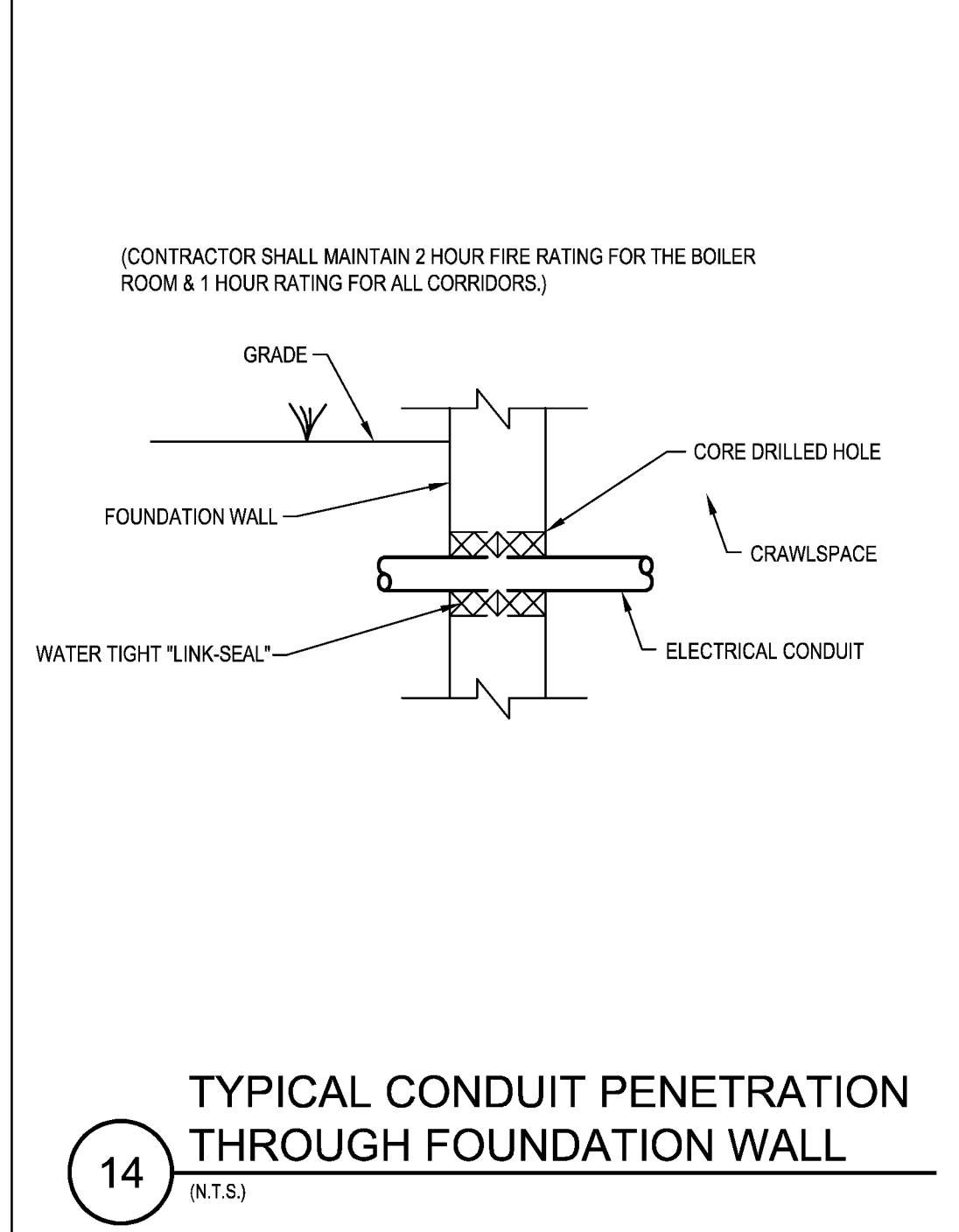
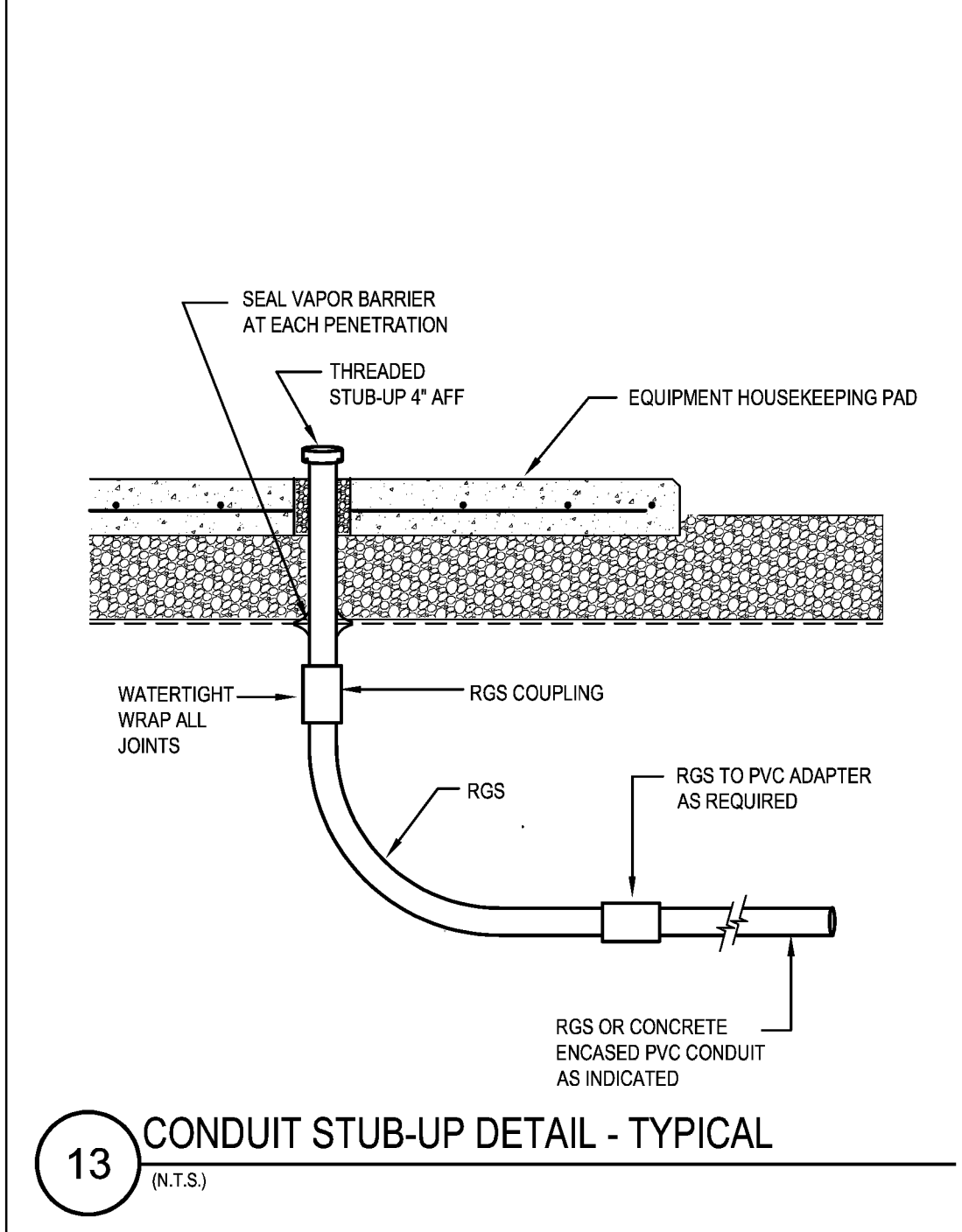
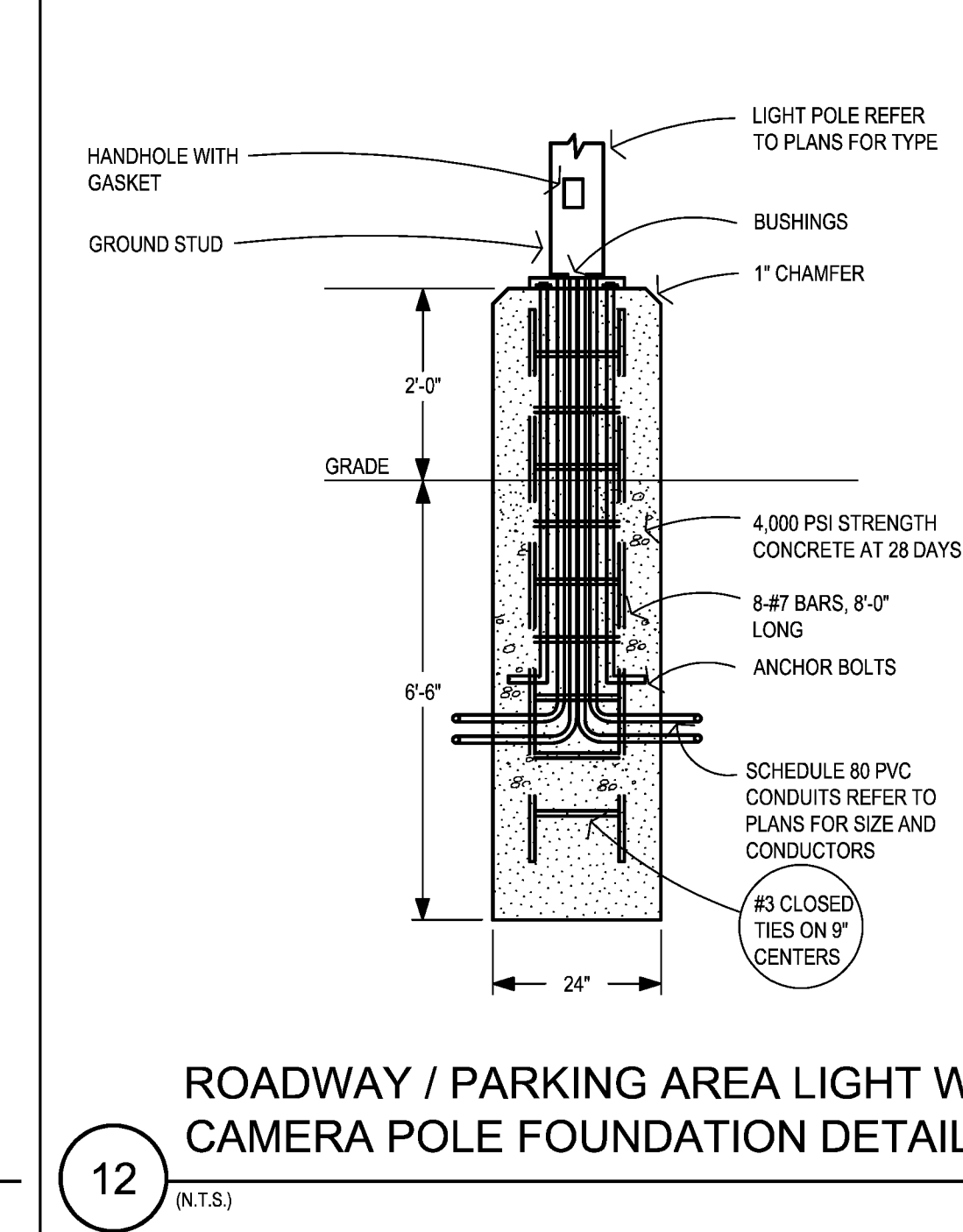
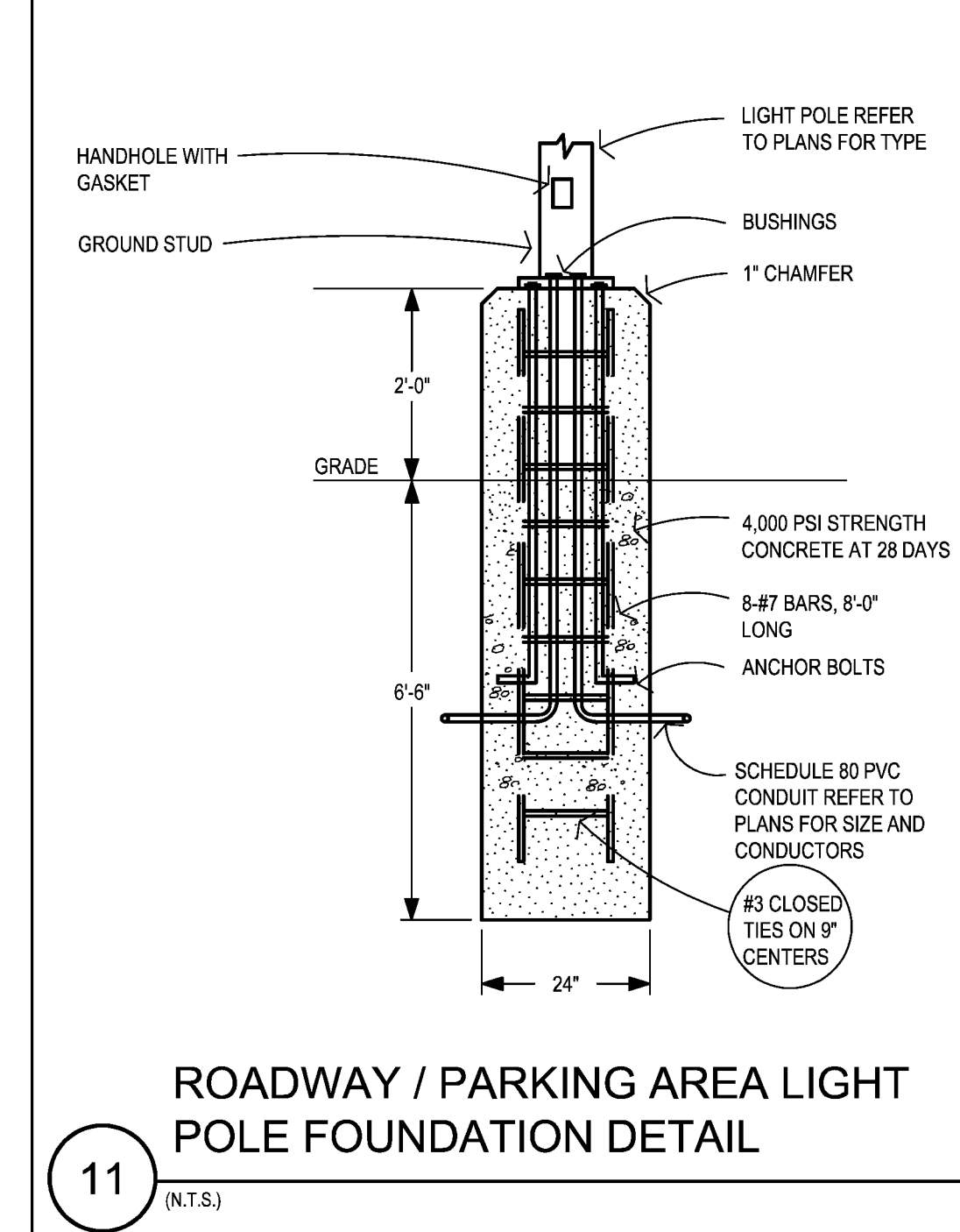
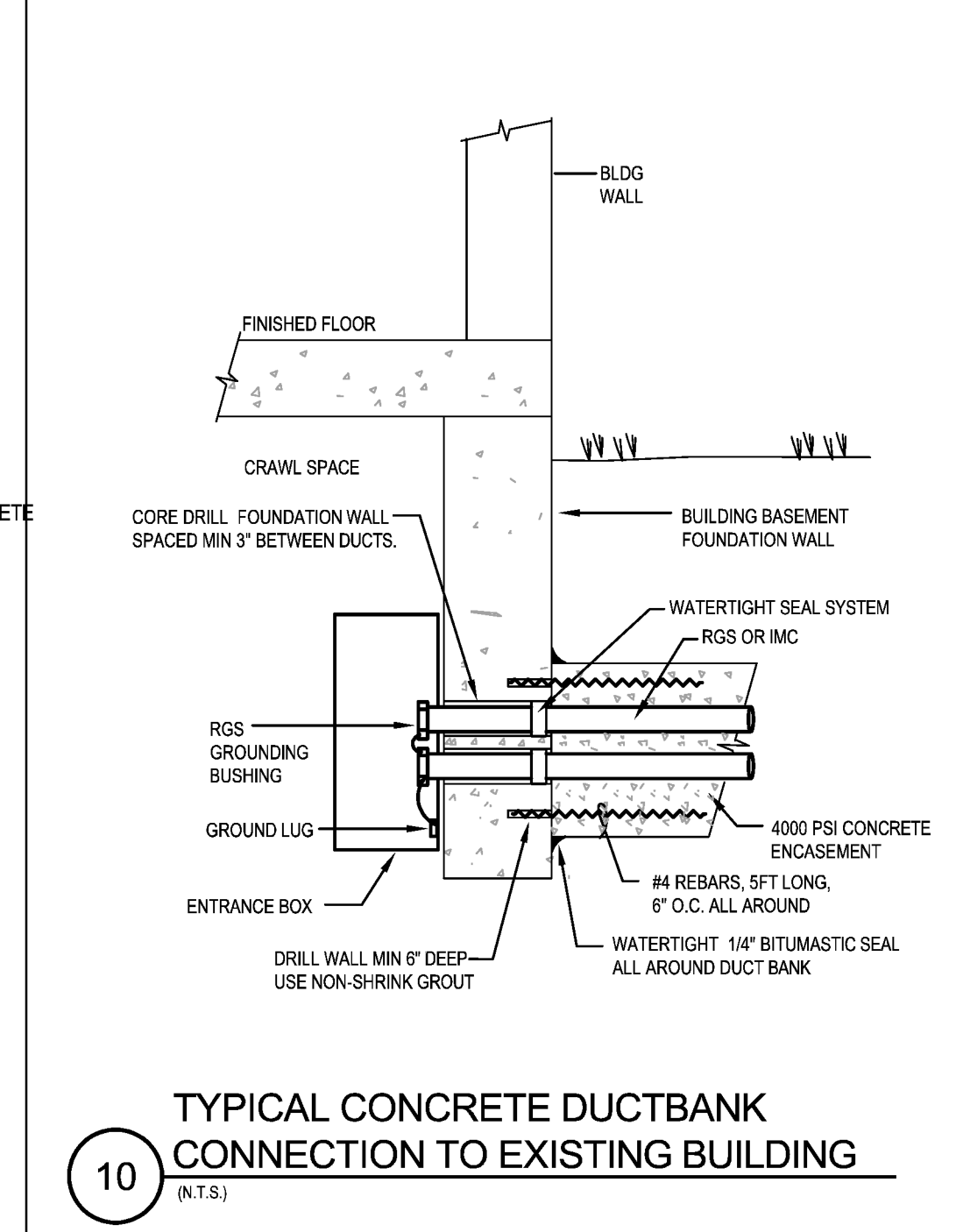
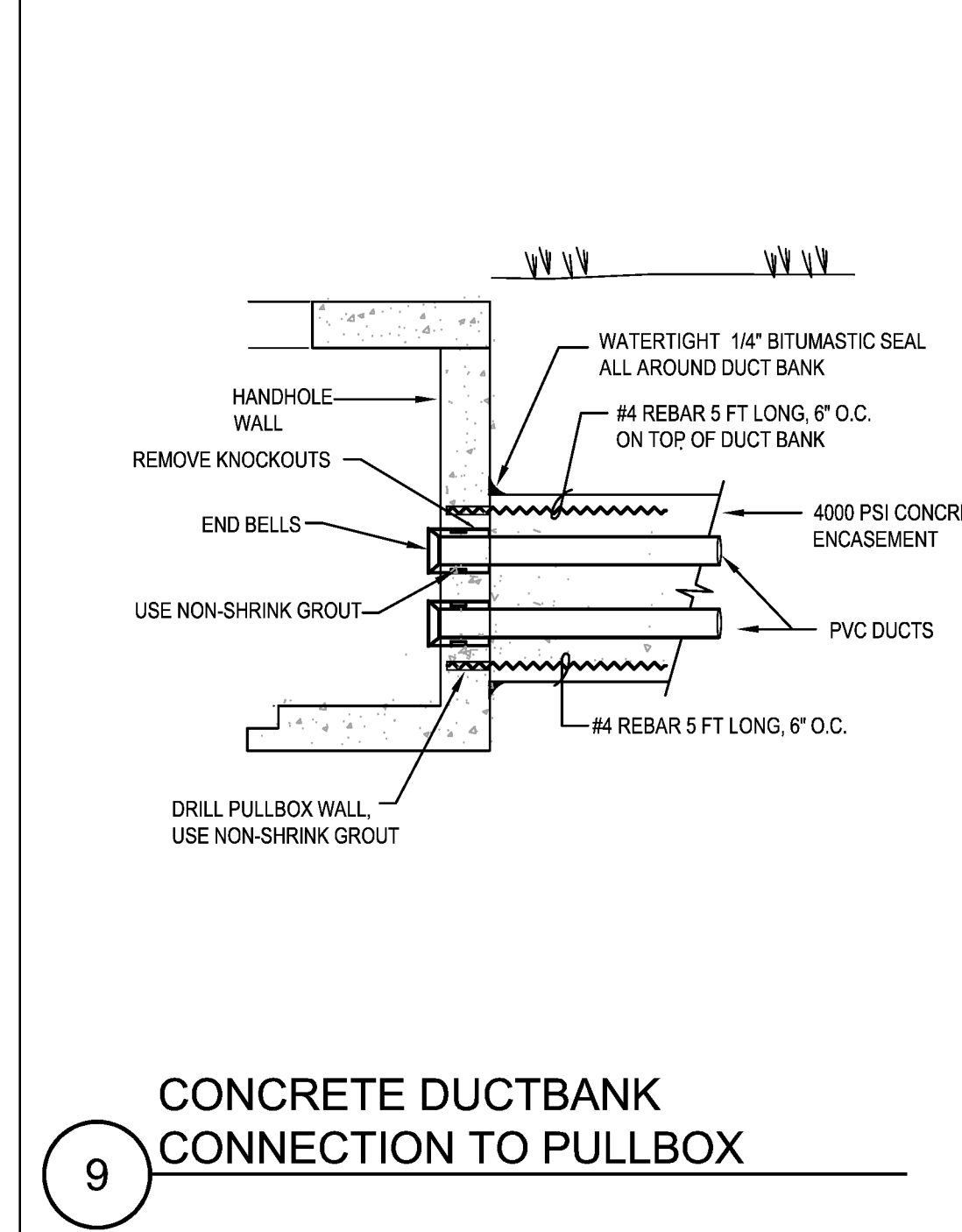
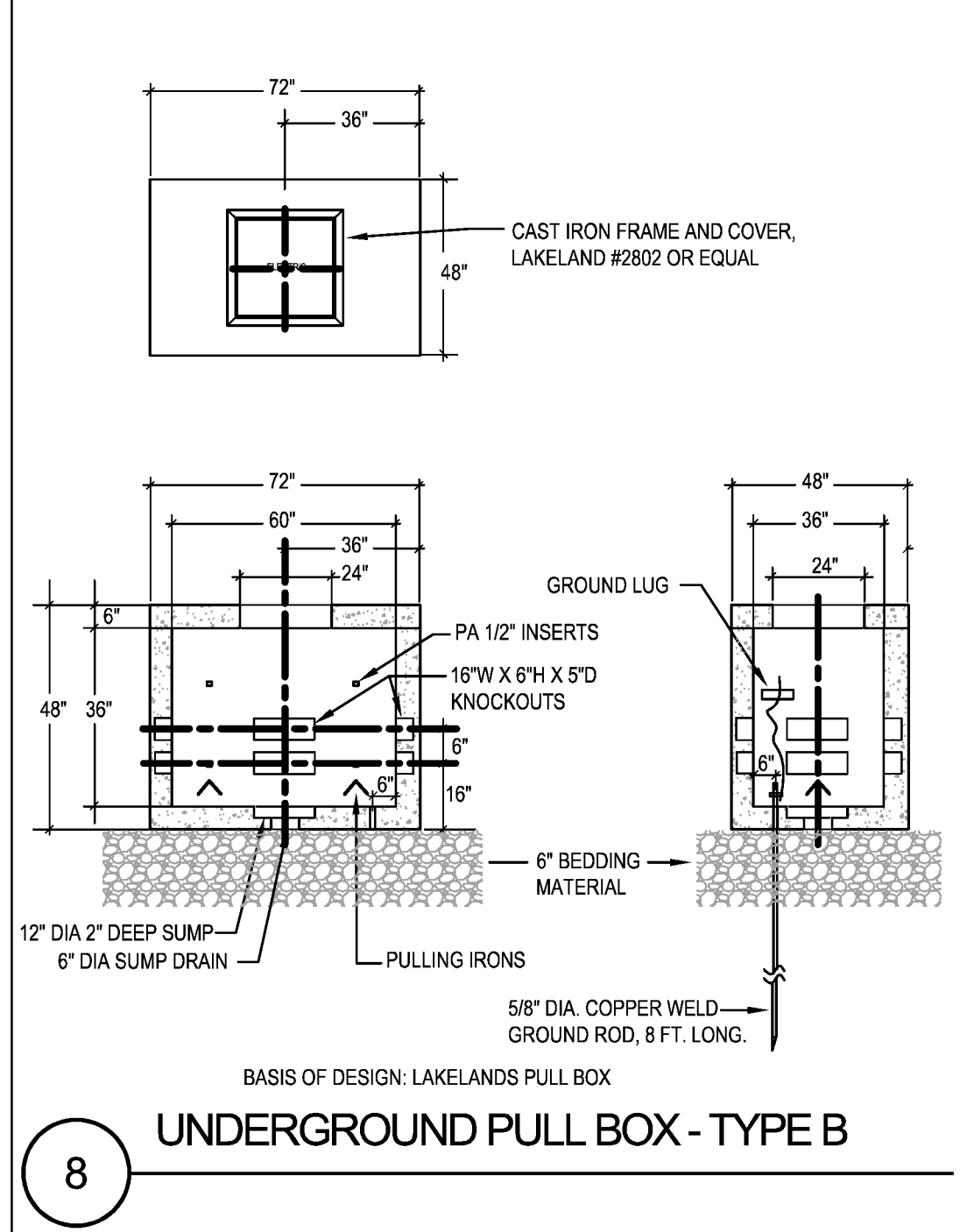
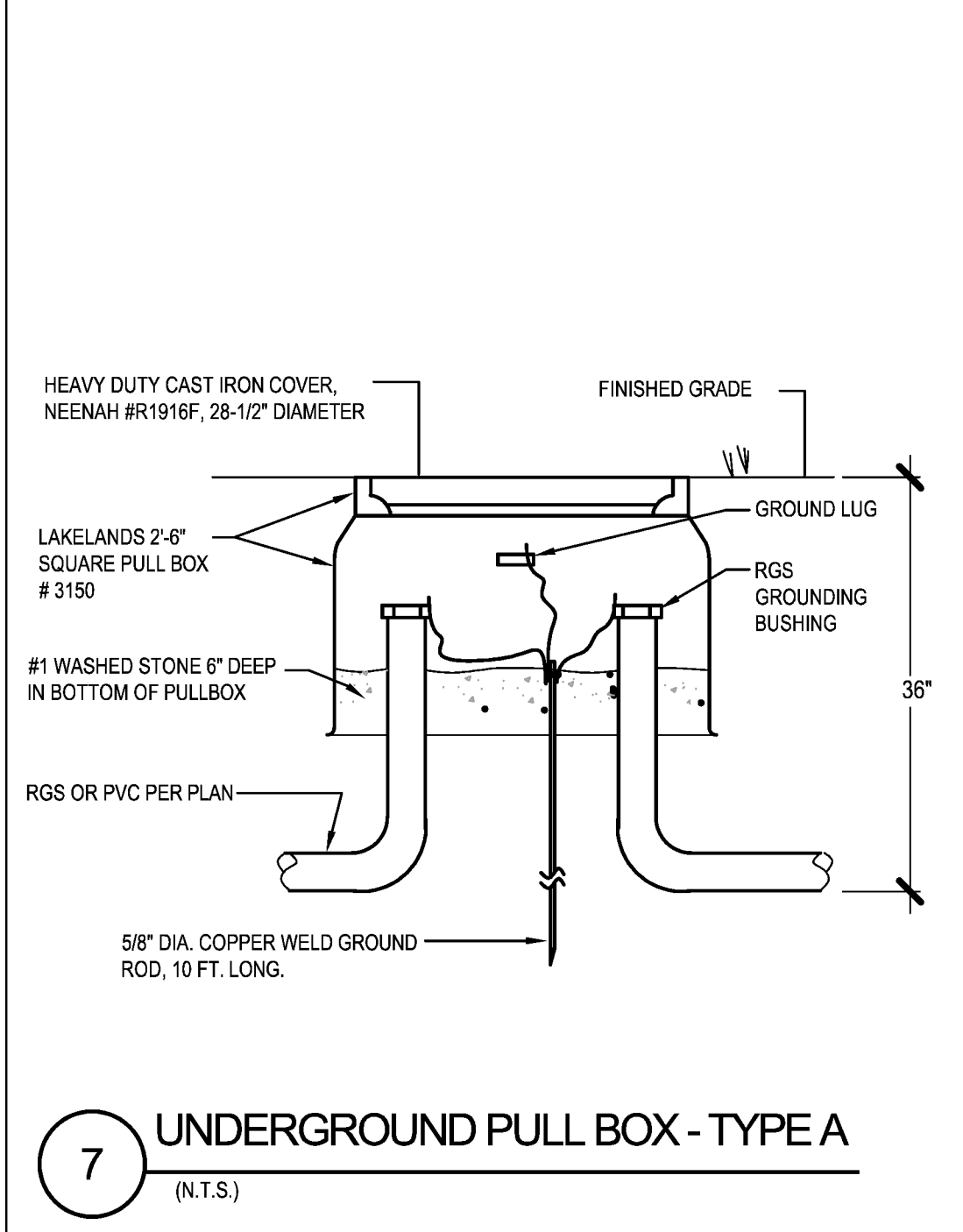
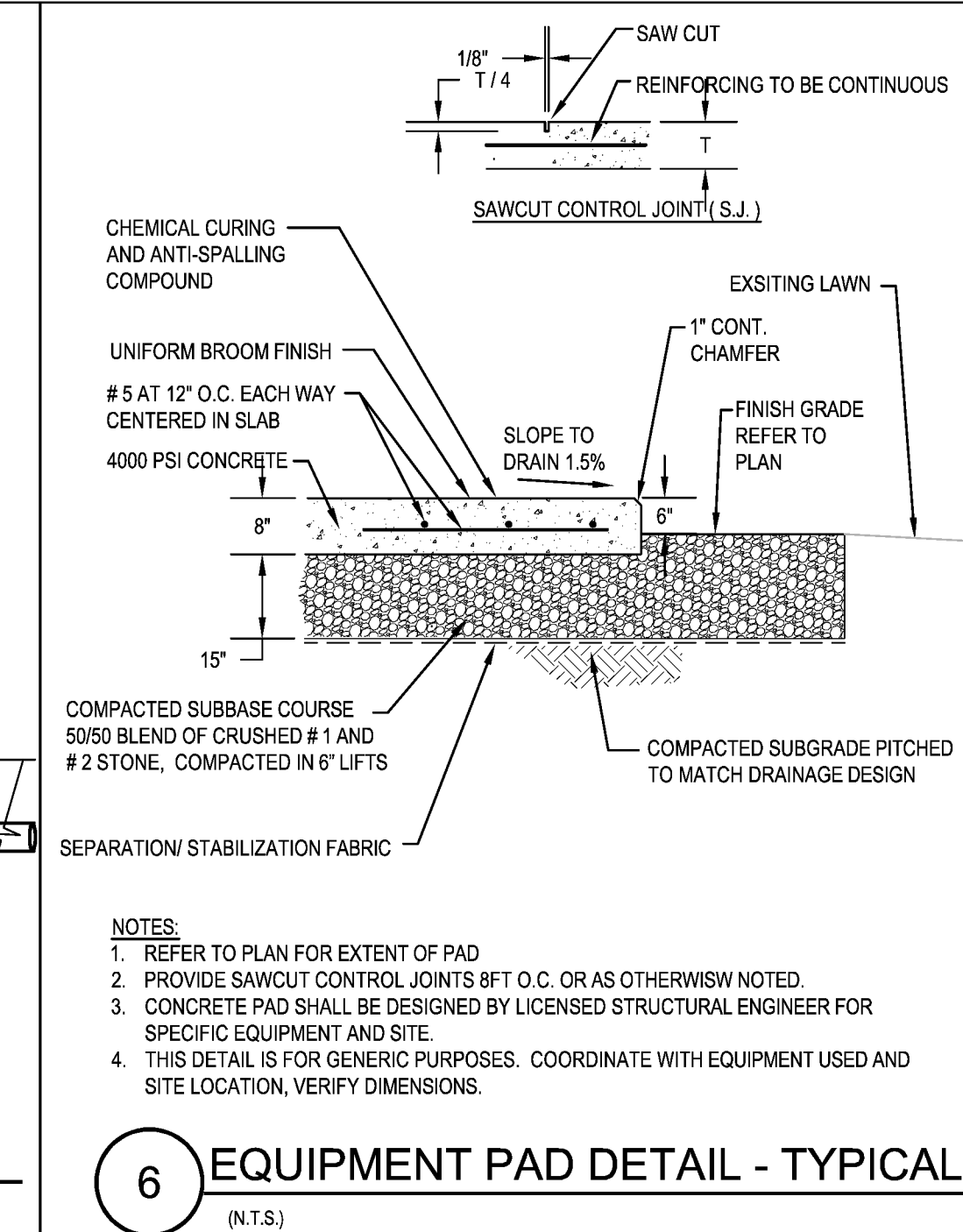
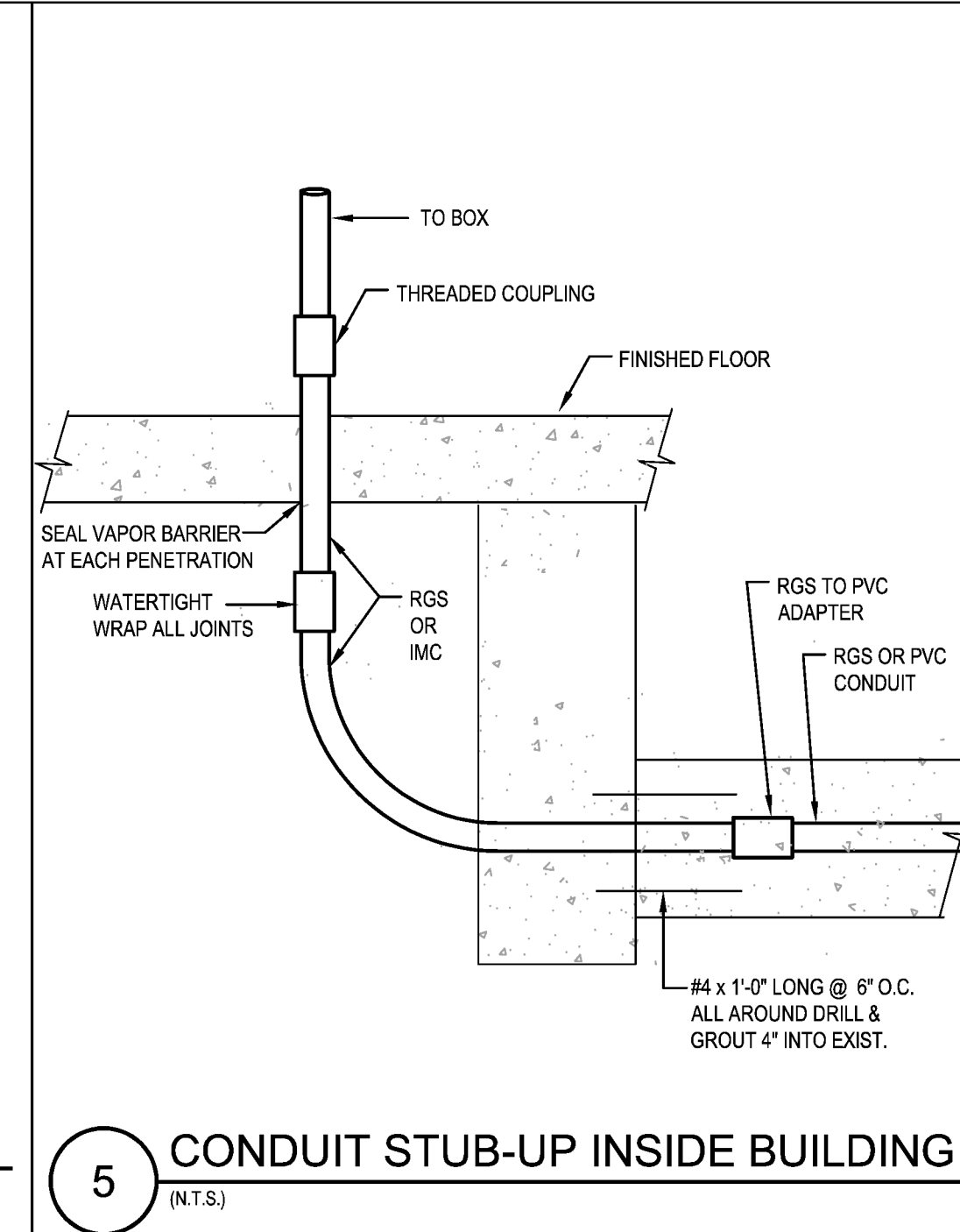
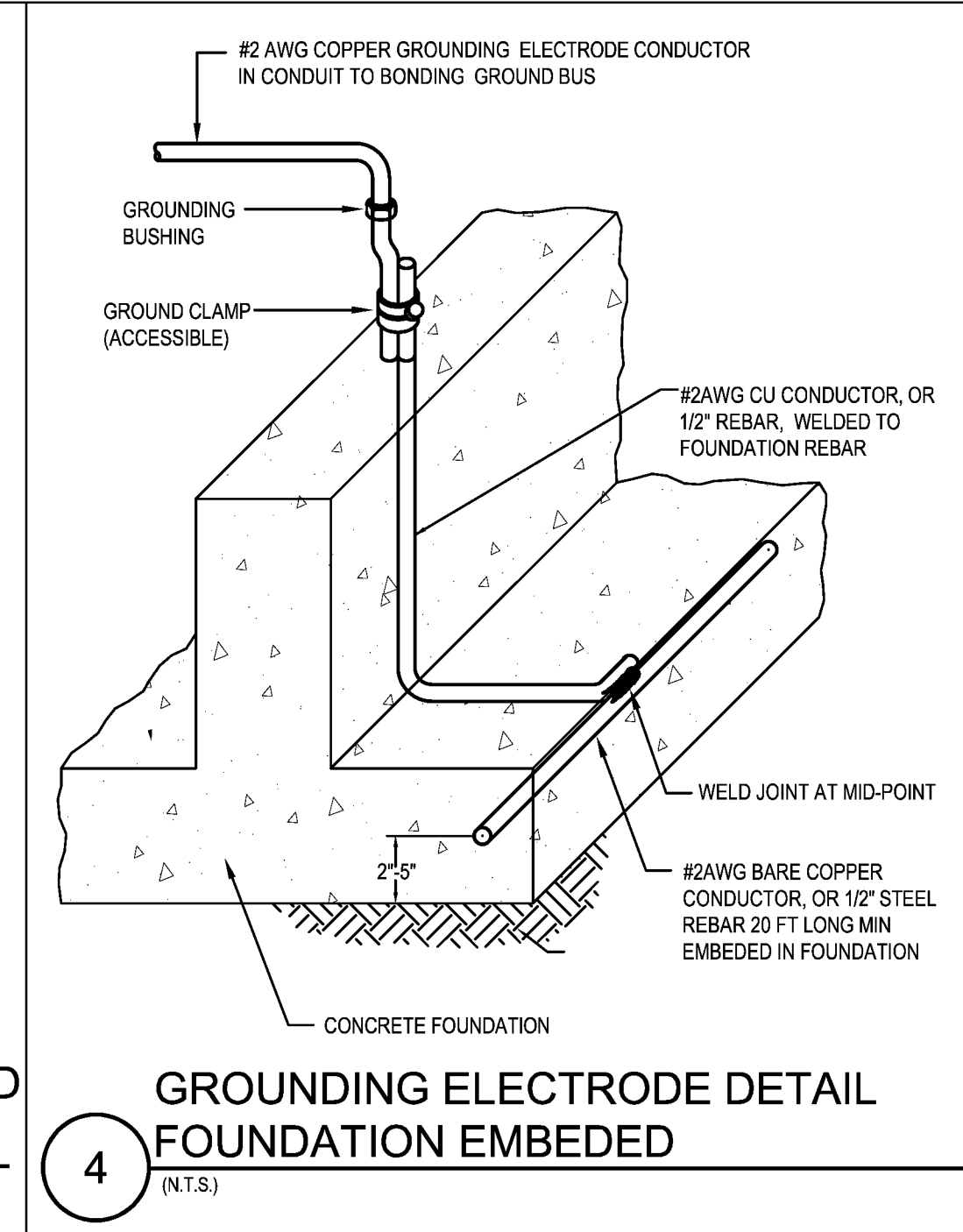
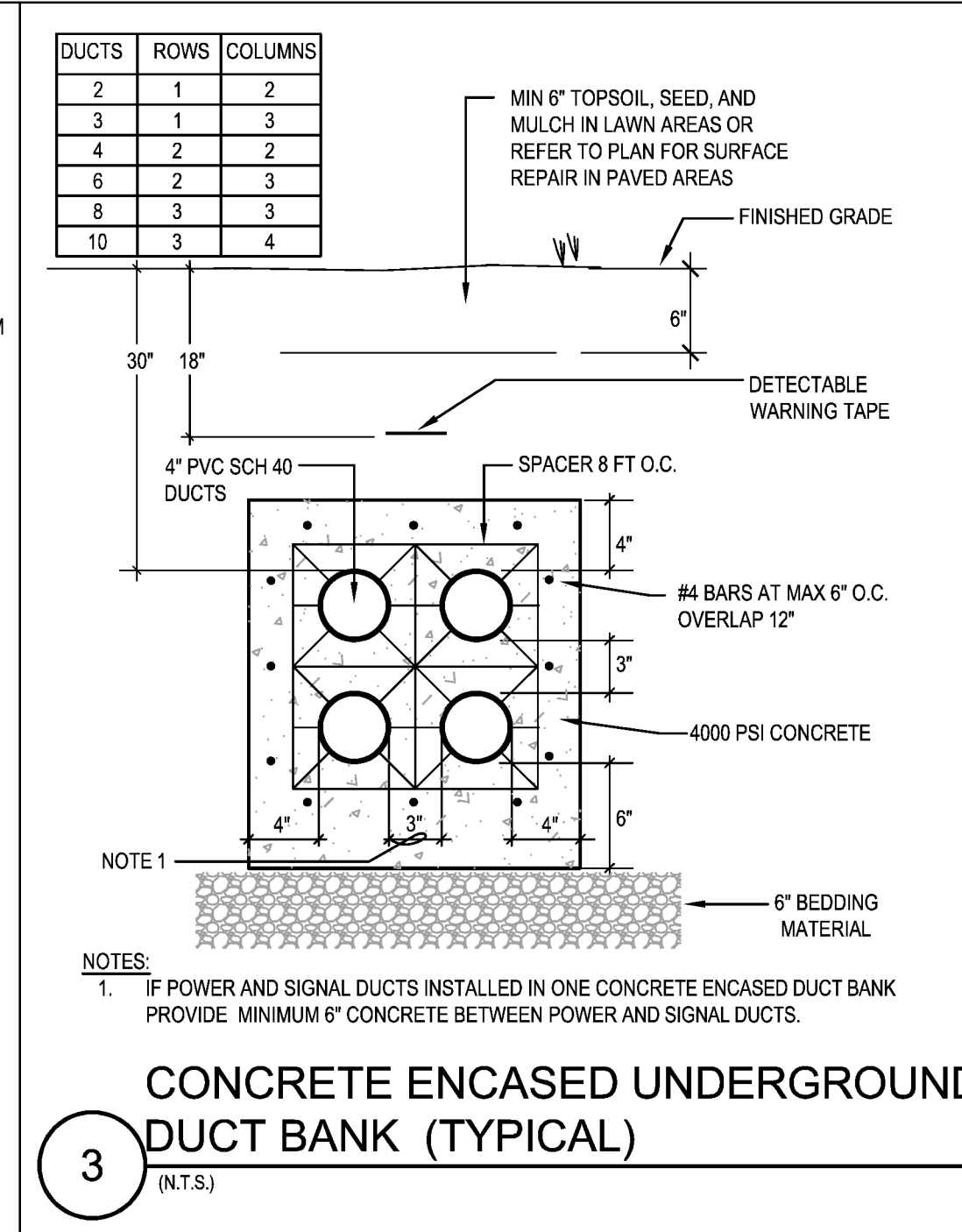
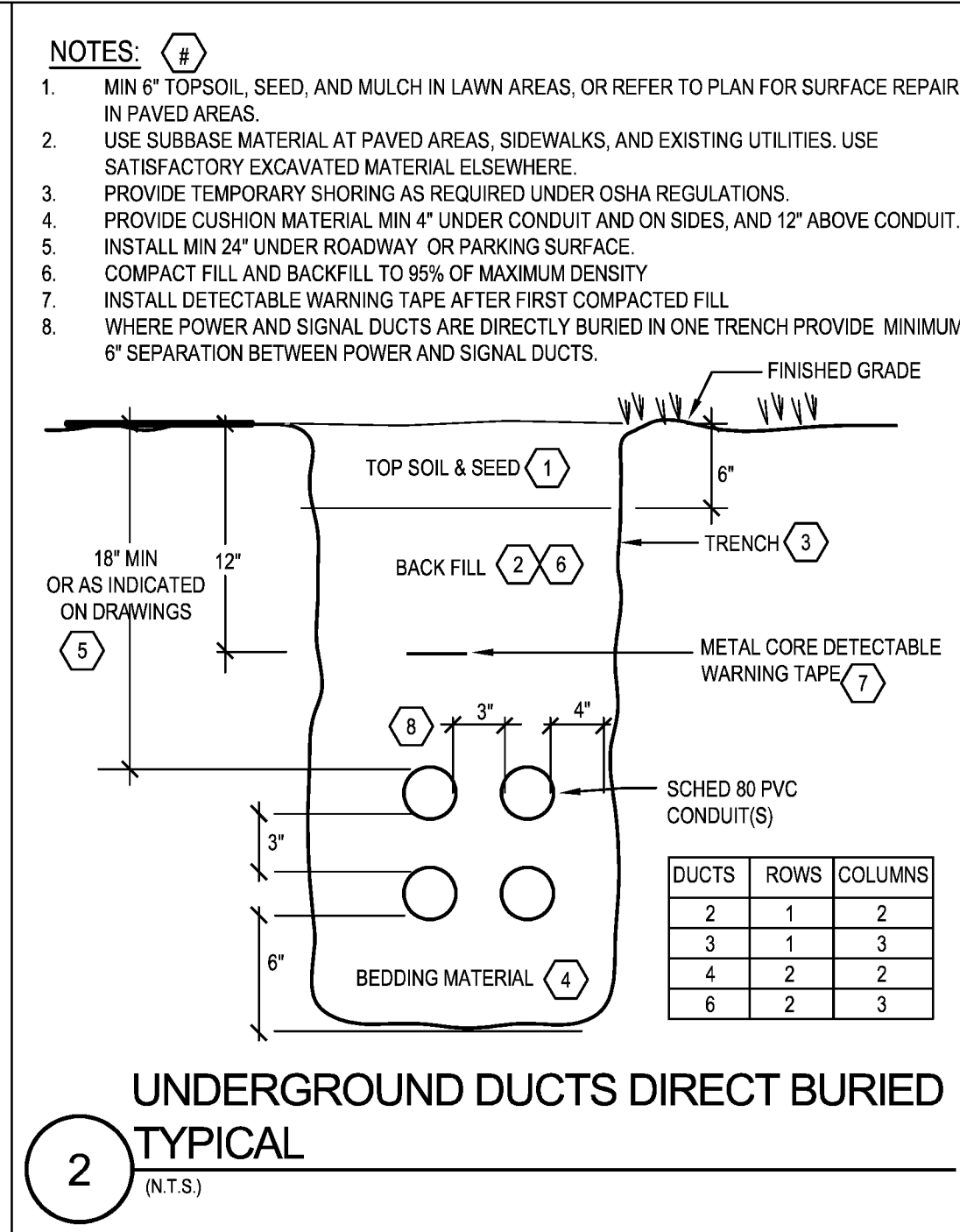
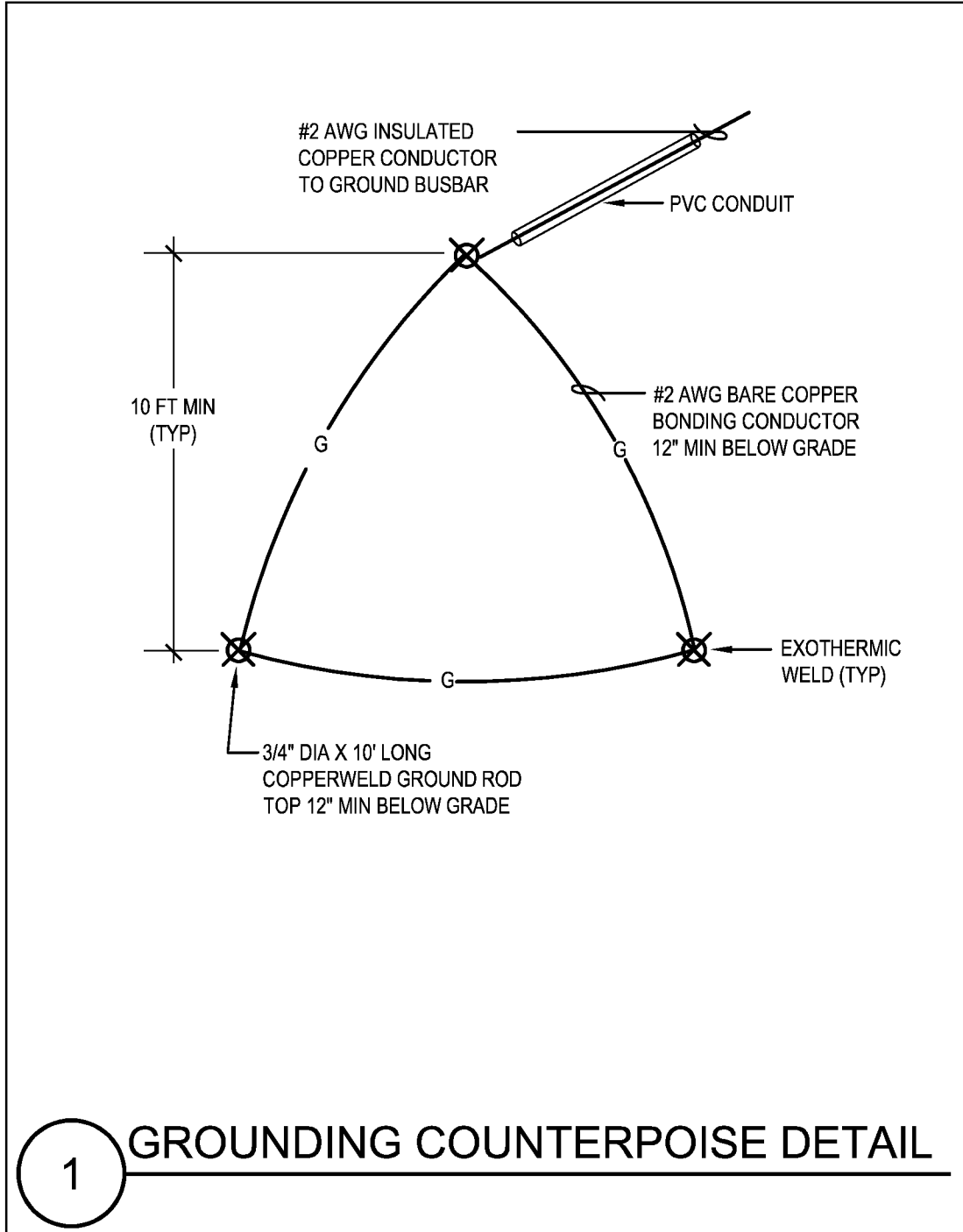
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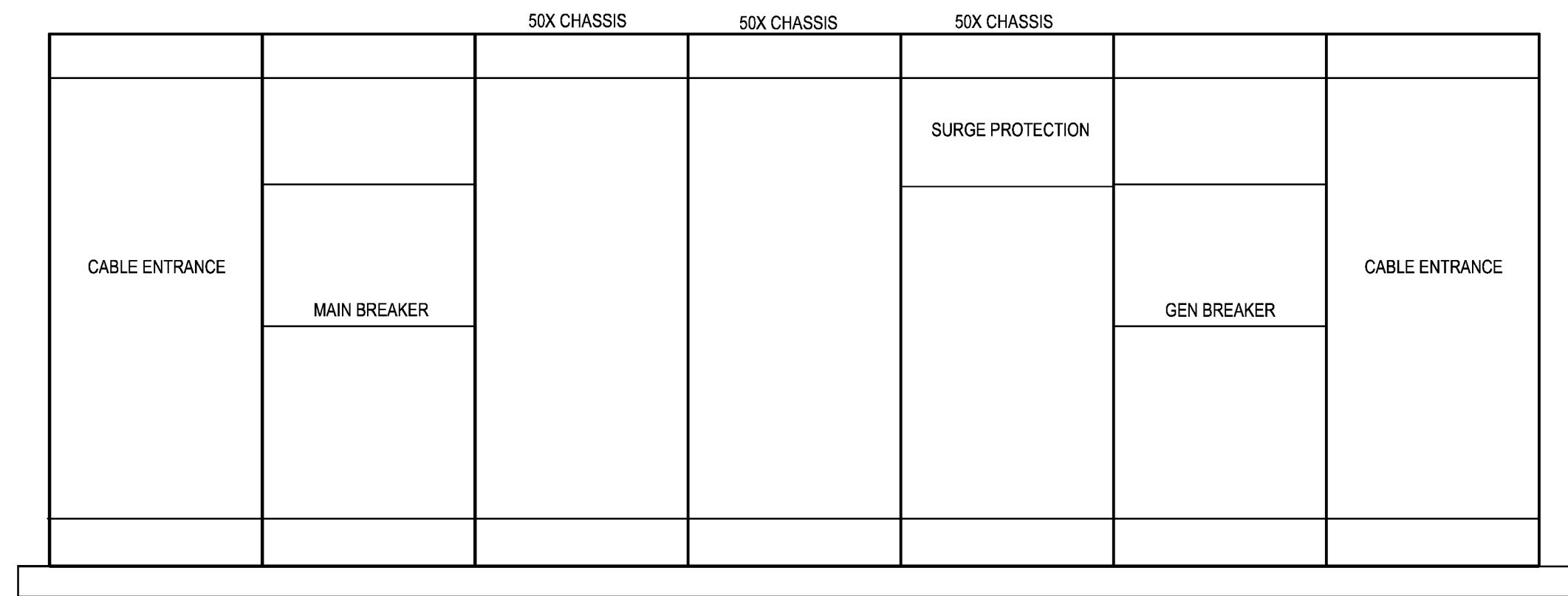
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Date: 10/10/2025
Project Number: 24003
Sheet Title: **SYMBOL LEGEND,
DETAILS &
SCHEDULES**

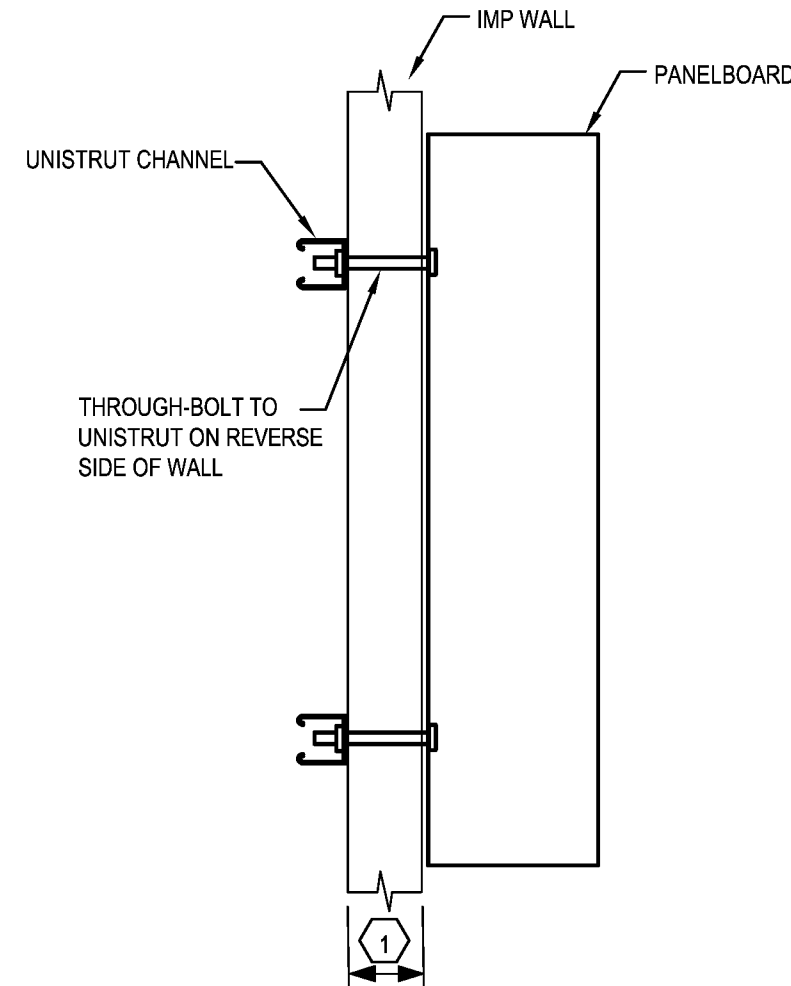
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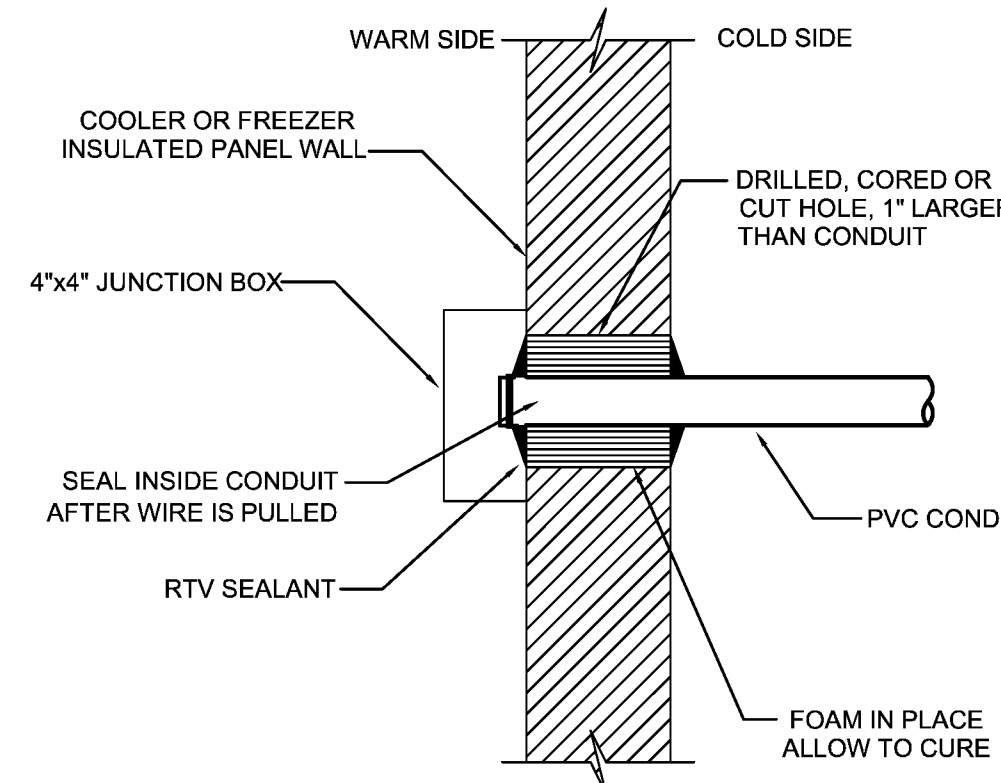


1 480V SERVICE SWITCHBOARD
(N.T.S.)

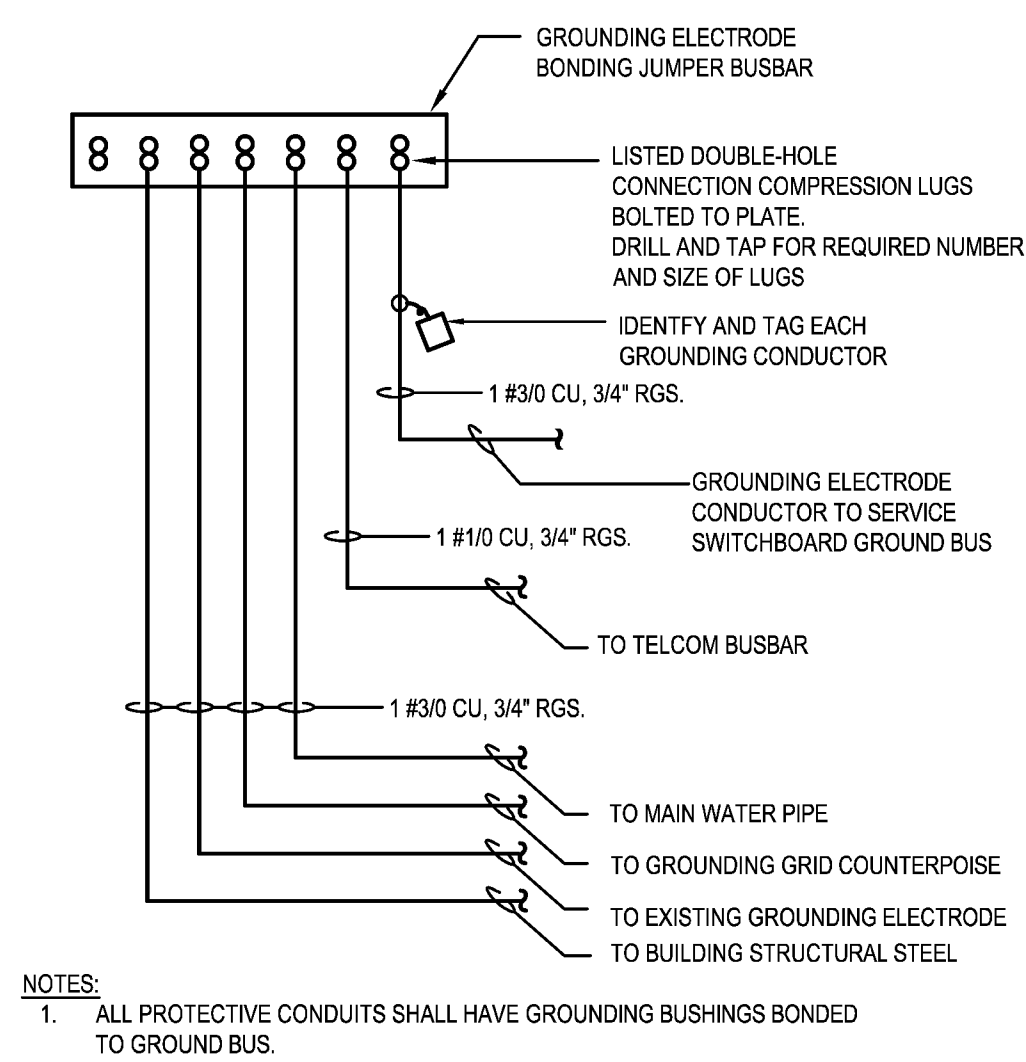
NOTES: 2
WALL THICKNESS PER ARCHITECTURAL DRAWINGS



2 PANELBOARD MOUNTING ON IMP WALL
(N.T.S.)

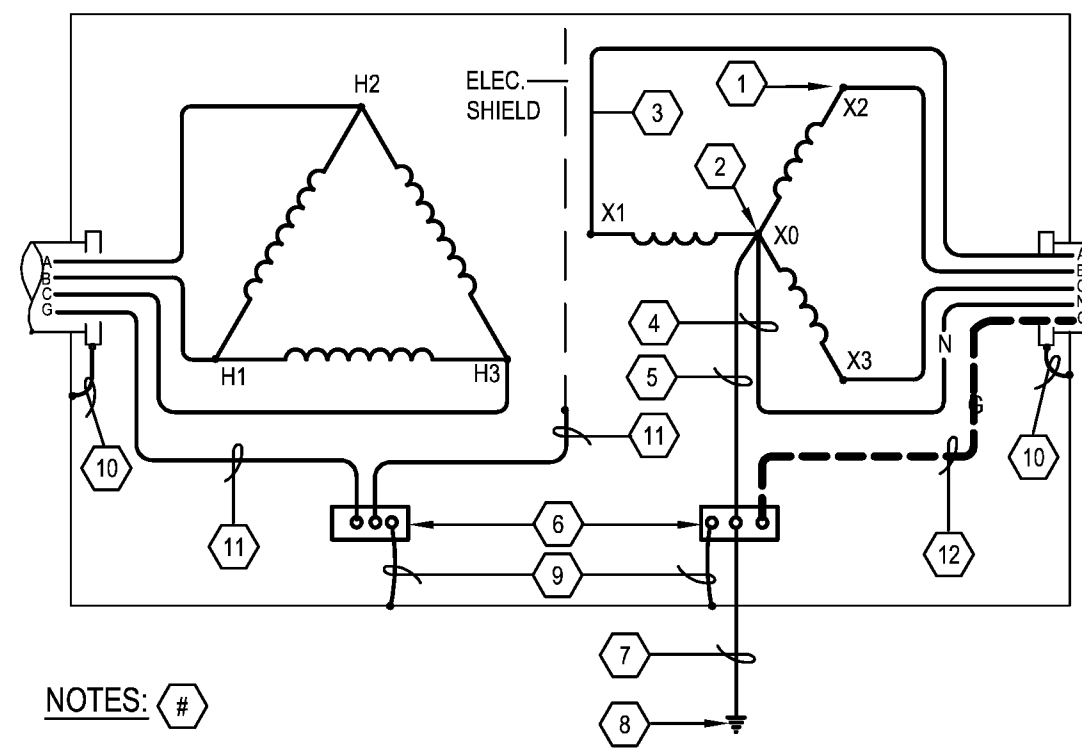


3 COOLER/FREEZER CONDUIT PENETRATION DETAIL
(N.T.S.)



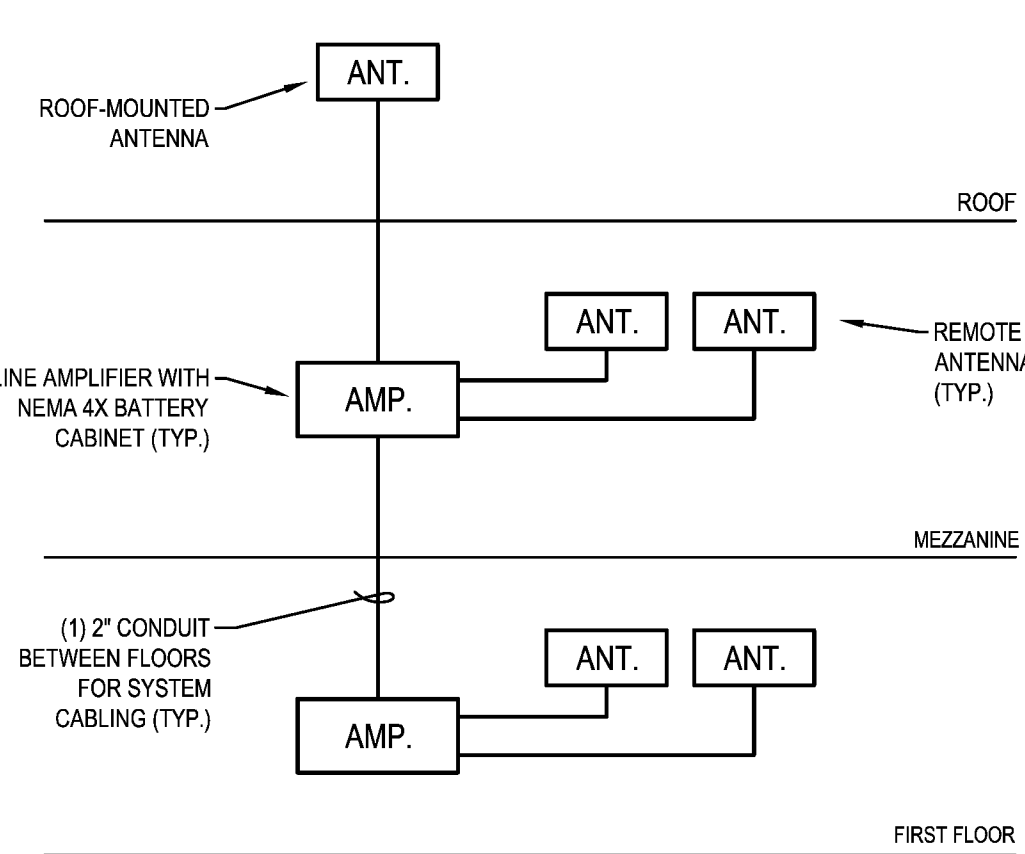
NOTES:
1. ALL PROTECTIVE CONDUITS SHALL HAVE GROUNDING BUSHINGS BONDED TO GROUND BUS.

4 SERVICE GROUNDING DETAIL
(N.T.S.)



NOTES: 7
1. TRANSFORMER PHASE TERMINAL
2. TRANSFORMER NEUTRAL TERMINAL
3. PHASE CONDUCTOR
4. NEUTRAL (GROUNDED) CONDUCTOR
5. SYSTEM BONDING JUMPER (SBJ), MADE OF BUS OR WIRE. SIZE PER NEC TABLE 250.102(C)(1)
6. TRANSFORMER GROUND BUS (LUG)
7. GROUNDING ELECTRODE CONDUCTOR (GEC), SIZE PER NEC TABLE 250.66
8. GROUNDING ELECTRODE (GRID)
9. ENCLOSURE BONDING JUMPER
10. RACEWAY BONDING JUMPER
11. EQUIPMENT GROUNDING CONDUCTOR
12. MAIN (SUPPLY SIDE) BONDING JUMPER (IF USED), SIZE PER NEC TABLE 250.102(C)(1)
13. ELECTROSTATIC SHIELD BONDING JUMPER (IF EQUIPPED).

5 TRANSFORMER GROUNDING DETAIL
(N.T.S.)



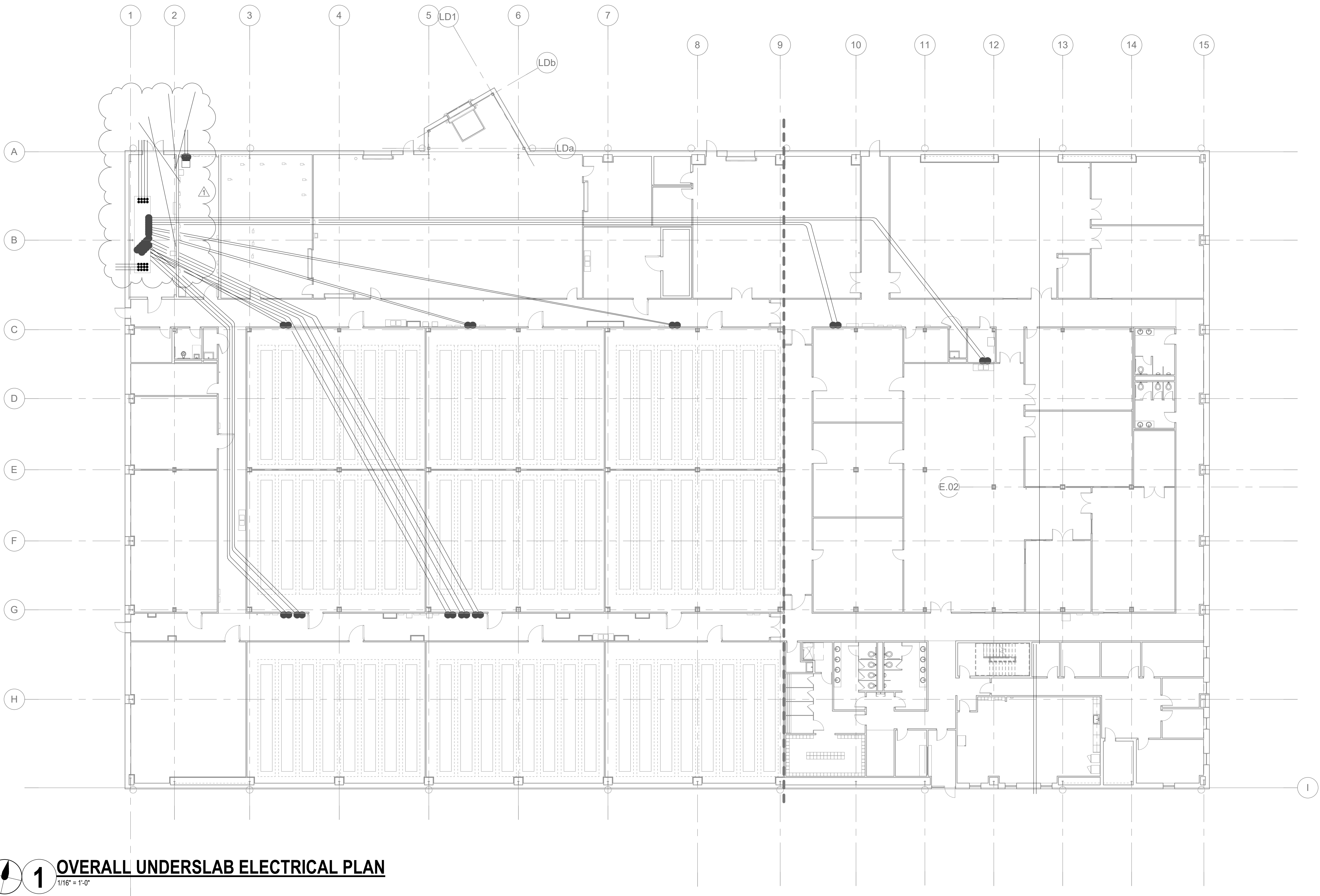
NOTES:
1. FINAL LOCATIONS AND QUANTITIES OF SYSTEM COMPONENTS TO BE DETERMINED BY SYSTEM VENDOR/INSTALLER
2. SYSTEM FREQUENCIES TO BE VERIFIED WITH LOCAL EMERGENCY RESPONSE DEPARTMENTS.

6 DISTRIBUTED ANTENNA SYSTEM
(N.T.S.)



GENERAL ELECTRICAL NOTES:

- A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING 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 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.
- D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
- E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM.
- F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.



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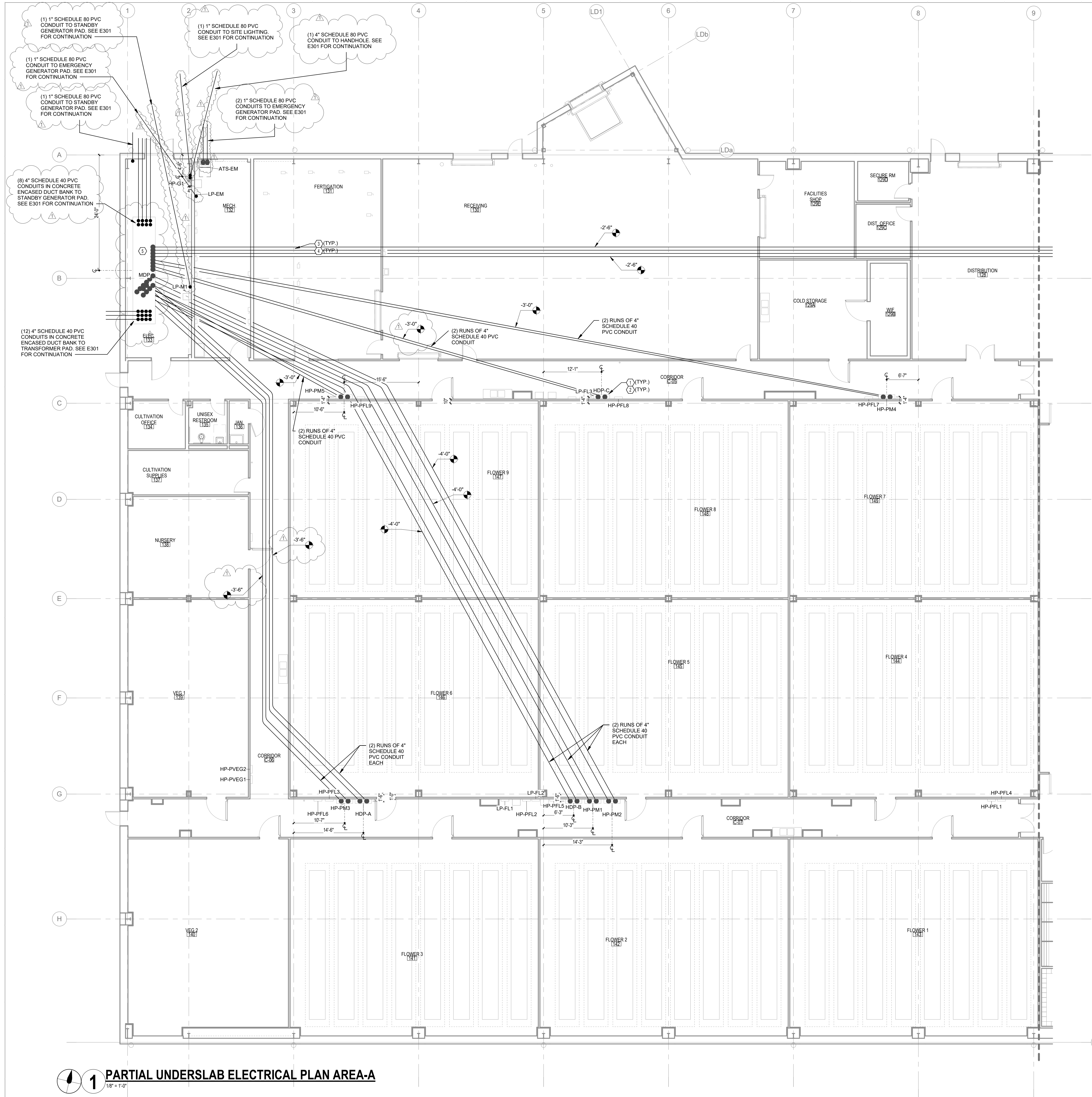
Project: Alden Green House

Project Address: 11580 Walden Ave

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1 12/5/2025 REVISIONS

Date: 10/10/2025
Project Number: 24003
Sheet Title: **OVERALL
UNDERSLAB
ELECTRICAL PLAN**

Sheet Number: **E101**



GENERAL ELECTRICAL NOTES:

- PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING 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.
- THE USE OF EXPOSED 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.
- THE CONTRACTOR SHALL PERFORM ALL WORK TO THE 2017 EDITION OF THE NEC.
- THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
- UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM.
- CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.

ELECTRICAL DRAWING NOTES:

- FUTURE PANEL LOCATIONS PROVIDED FOR REFERENCE ONLY. PANELS, TRANSFORMERS, AND MAIN SWITCHBOARD NOT IN CONTRACT.
- COORDINATE CONDUIT STUBUPS WITH FUTURE PANEL LOCATIONS. VERIFY FUTURE PANEL LOCATIONS.
- PROVIDE CONDUIT RUNS WITH TOP OF CONDUIT AT INDICATED DEPTH BELOW FINISHED FLOOR.
- COORDINATE WITH PLUMBING CONTRACTOR, GIVE WAY TO PLUMBING-PIPING.
- COORDINATE CONDUIT STUBUPS WITH FUTURE SWITCHGEAR LOCATION. COORDINATE WITH SWITCHGEAR SELECTION AND DISTRIBUTION/INCOMING SECTION LOCATIONS.

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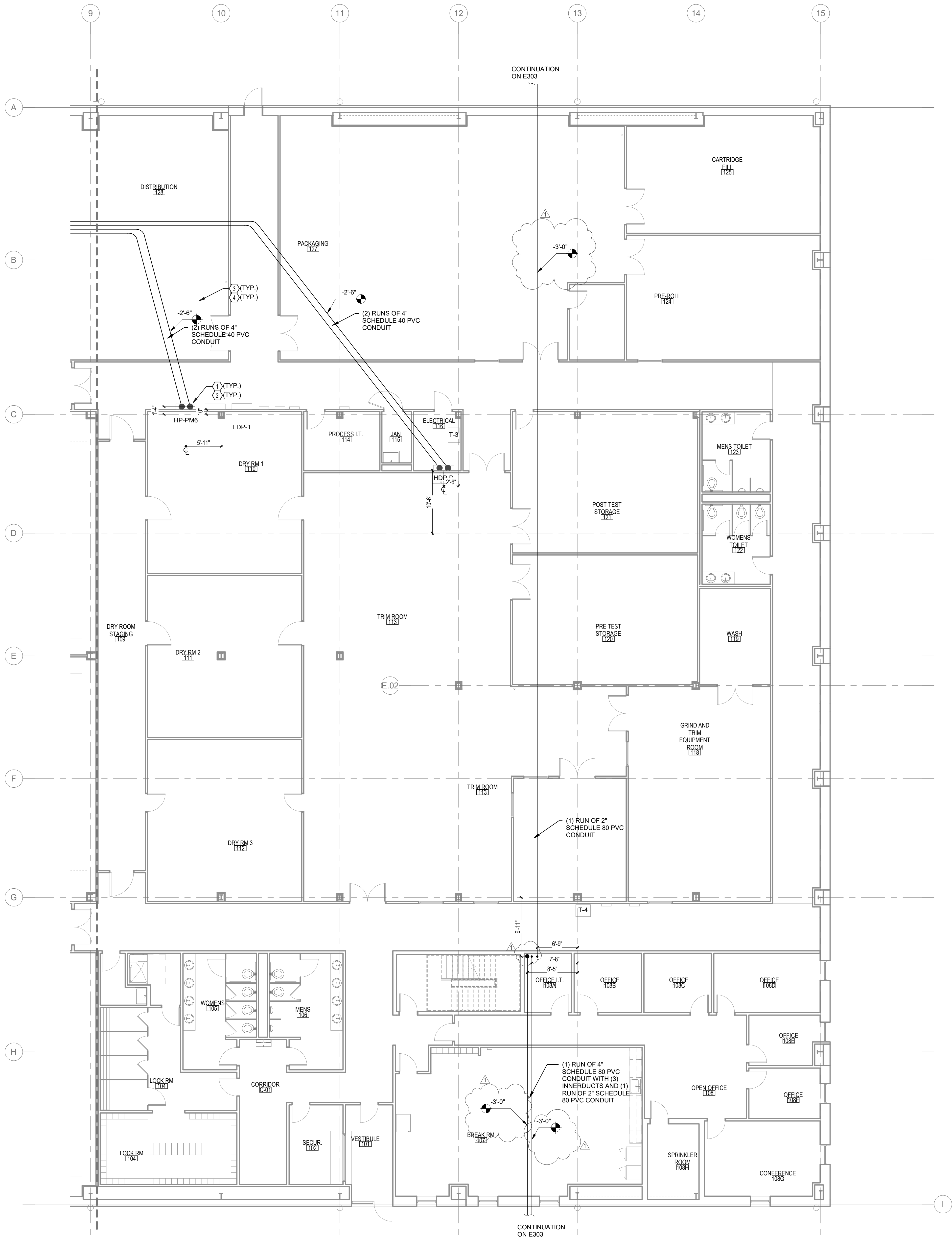
Project: Alden Green House

Project Address: 11580 Walden Ave

Drawing History:	#	Date	Description
	1	12/5/2025	REVISIONS

Date: 10/10/2025
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Sheet Title: **PARTIAL UNDERSLAB ELECTRICAL PLAN AREA-A**

Sheet Number: **E101a**



GENERAL ELECTRICAL NOTES:

- A. PROVIDE BRANCH CIRCUITING FOR ALL DEVICES SHOWN. BRANCH WIRING 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 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.
- D. THE CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES, AND SHALL REVIEW TRADE DRAWINGS FOR COORDINATION PURPOSES.
- E. UNLESS OTHERWISE NOTED, ALL BRANCH CIRCUIT WIRING SHALL BE #12 AWG MINIMUM.
- F. CIRCUIT NUMBERS ON THIS DRAWING ARE FOR THE SOLE PURPOSE OF CLARIFICATION, AND ARE NOT INTENDED TO INDICATE THE POLE POSITION IN THE PANELBOARD. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL CONNECT ALL DEVICES TO AVAILABLE CIRCUITS IN DESIGNATED PANELBOARDS. THE CONTRACTOR SHALL INDICATE THE CORRECT CIRCUIT DESIGNATIONS ON A TYPED PANELBOARD SCHEDULE AND ON "AS BUILT" DRAWINGS.

ELECTRICAL DRAWING NOTES:

1. FUTURE PANEL LOCATIONS PROVIDED FOR REFERENCE ONLY. PANELS, TRANSFORMERS, AND MAIN SWITCHBOARD NOT IN CONTRACT.
2. COORDINATE CONDUIT STUBUPS WITH FUTURE PANEL LOCATIONS. VERIFY FUTURE PANEL LOCATIONS.
3. PROVIDE CONDUIT RUNS WITH TOP OF CONDUIT AT INDICATED DEPTH BELOW FINISHED FLOOR.
4. COORDINATE WITH PLUMBING CONTRACTOR. GIVE WAY TO PLUMBING PIPING.
5. COORDINATE CONDUIT STUBUPS WITH FUTURE SWITCHGEAR LOCATION. COORDINATE WITH SWITCHGEAR SELECTION AND DISTRIBUTION/INCOMING SECTION LOCATIONS.



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Project: Alden Green House

Project Address: 11580 Walden Ave

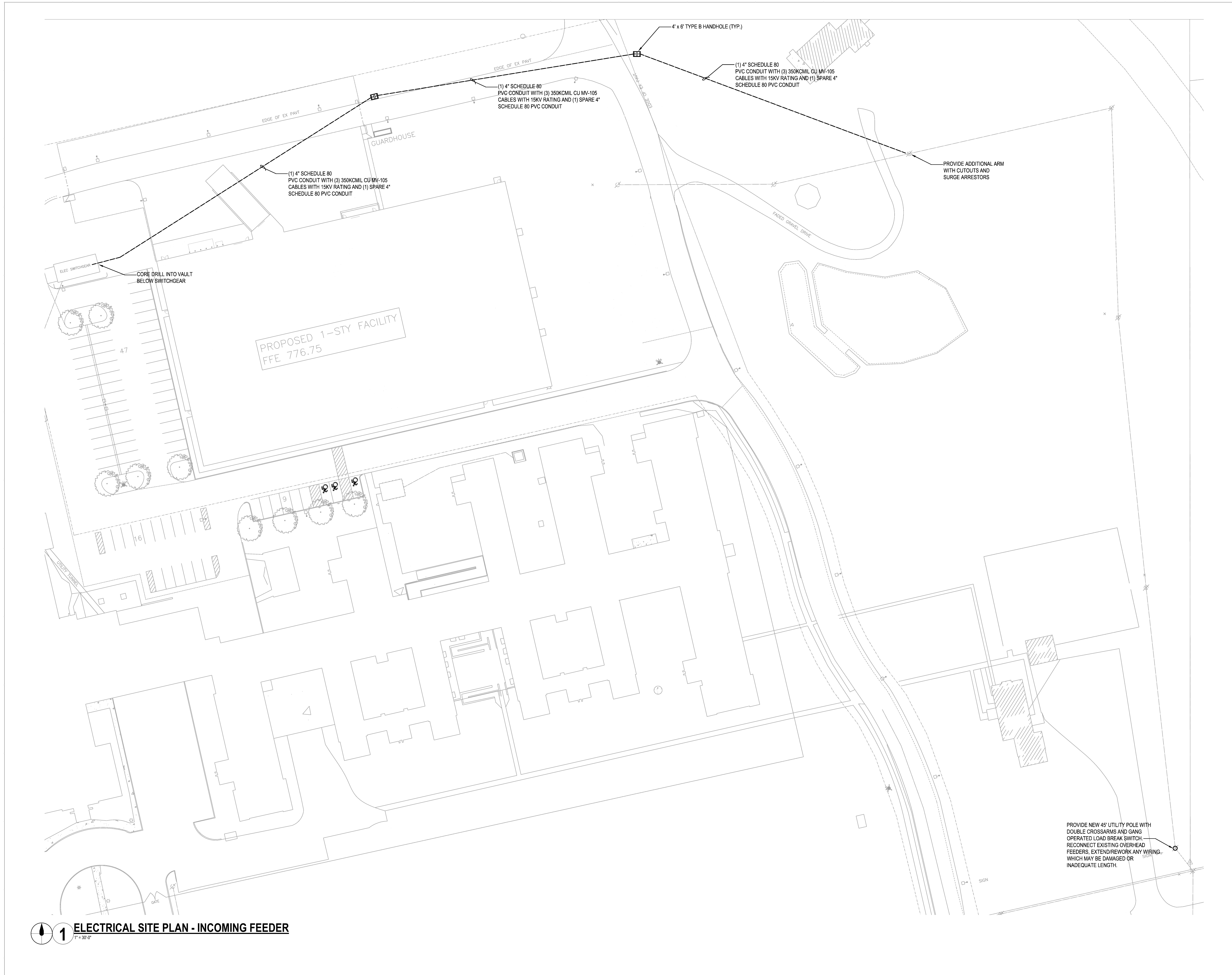
Drawing History: # Date Description
1 12/5/2025 REVISIONS

Date: 10/10/2025
Project Number: 24003
Sheet Title: PARTIAL
UNDERSLAB
ELECTRICAL PLAN
AREA-B


Sheet Number: E101b

1 PARTIAL UNDERSLAB ELECTRICAL PLAN AREA-B
1/8" = 1'-0"





1 ELECTRICAL SITE PLAN - INCOMING FEEDER



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Project: Alden Green House

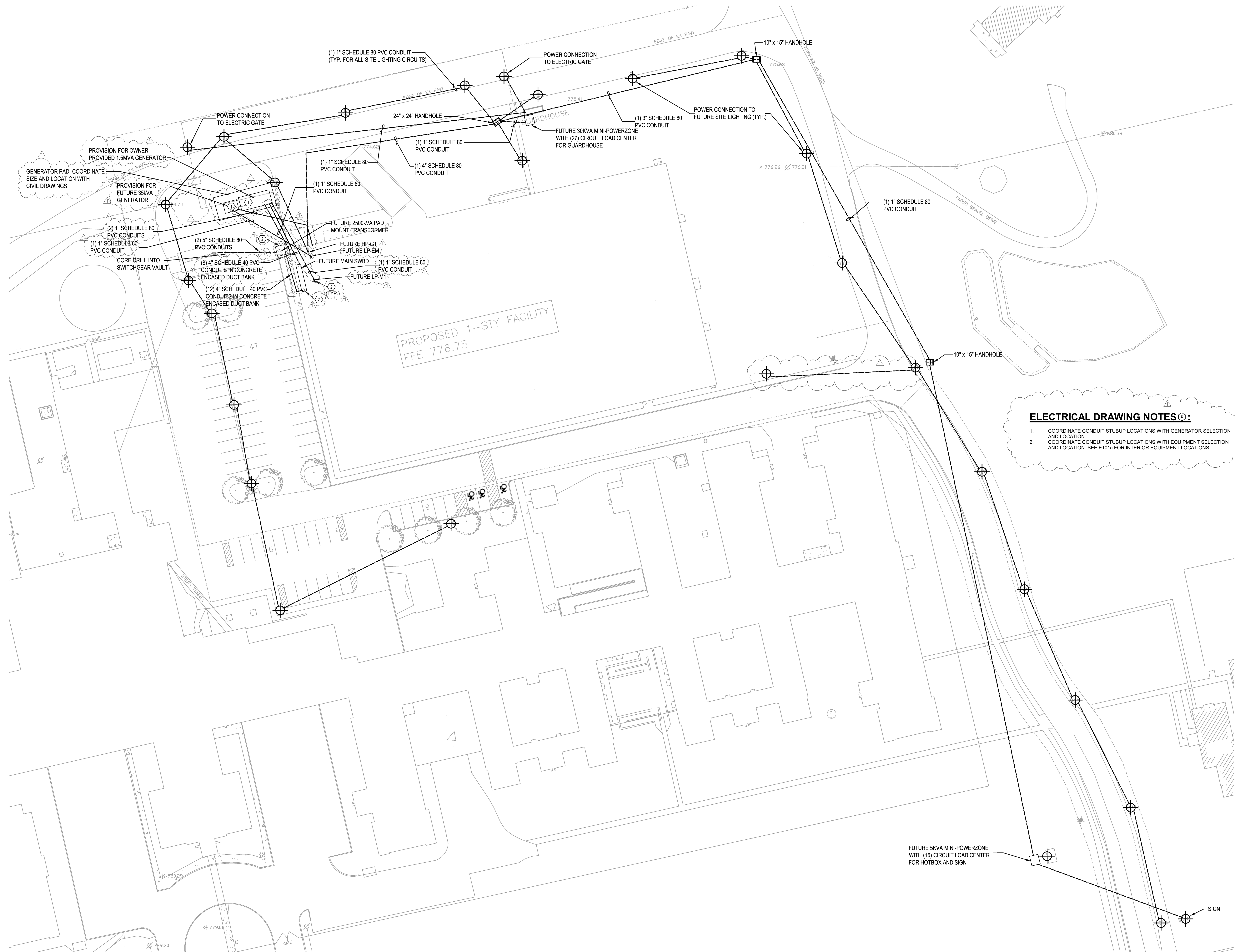
Project Address: 11580 Walden Ave

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Date: 10/10/2025
Project Number: 24003
Sheet Title: **ELECTRICAL SITE PLAN - INCOMING FEEDER**

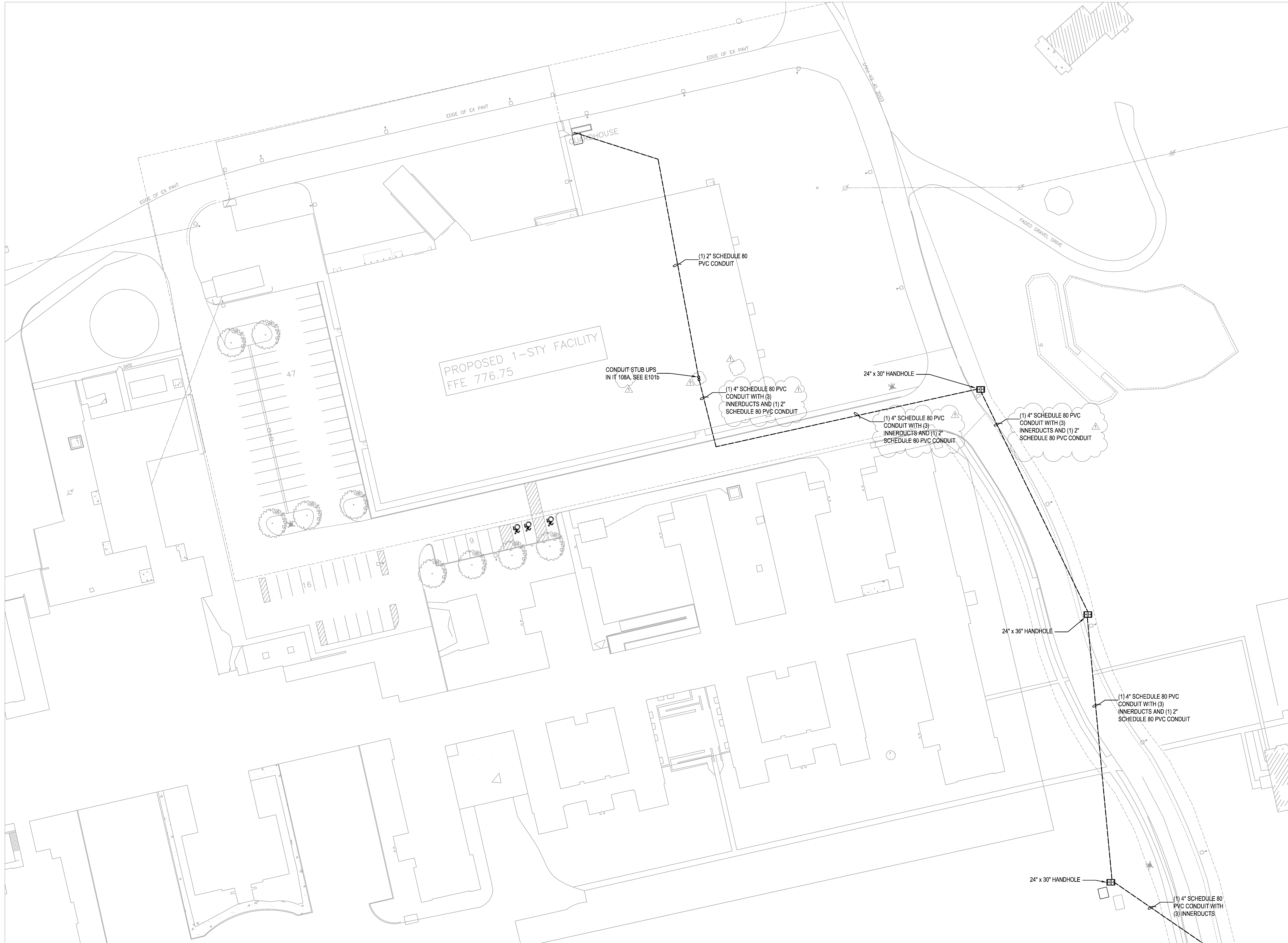
Sheet Number: **E301**



ELECTRICAL DRAWING NOTES:

- COORDINATE CONDUIT STUBUP LOCATIONS WITH GENERATOR SELECTION AND LOCATION.
- COORDINATE CONDUIT STUBUP LOCATIONS WITH EQUIPMENT SELECTION AND LOCATION. SEE E101a FOR INTERIOR EQUIPMENT LOCATIONS.





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

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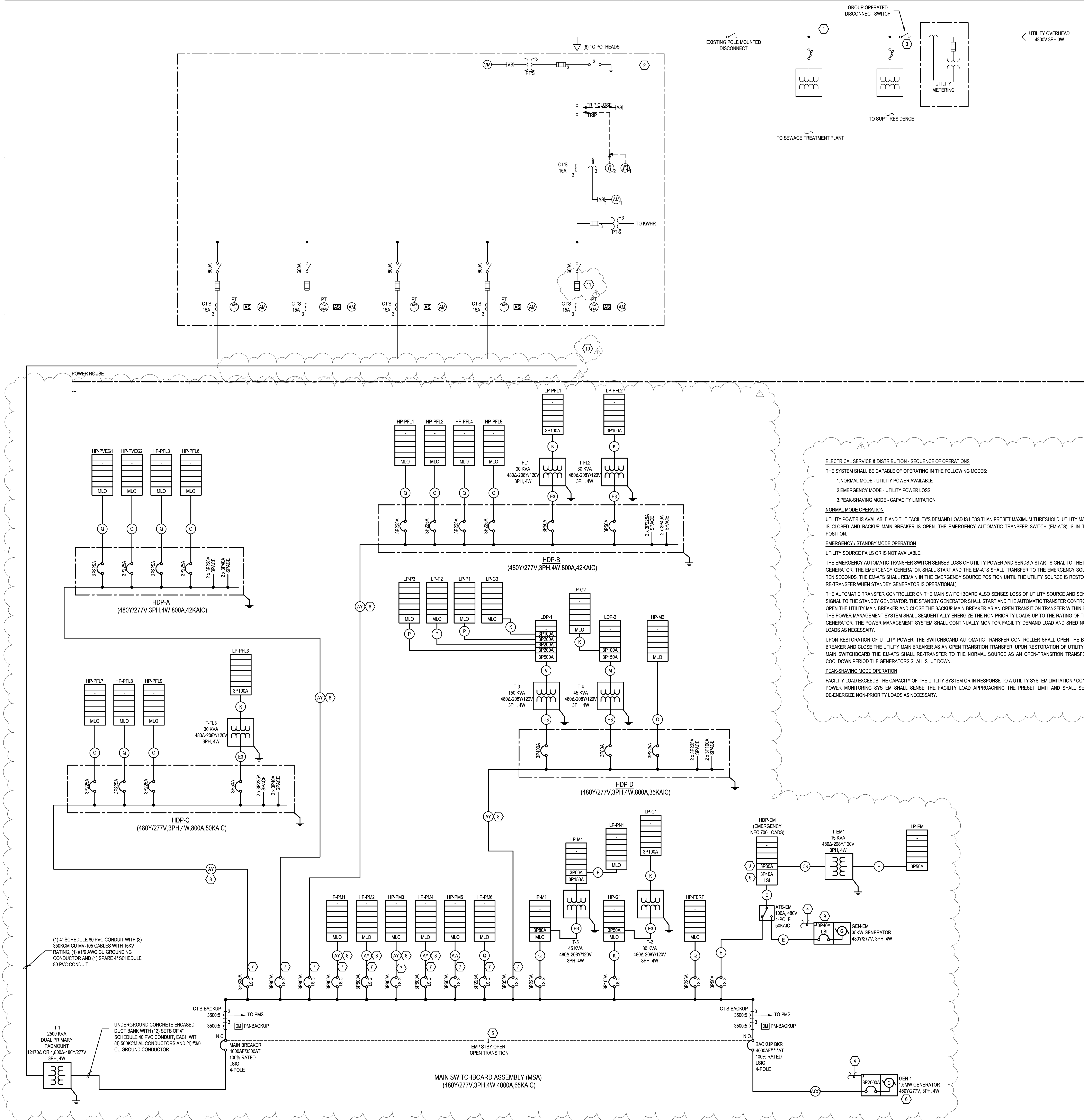
Project: Alden Green House

Project Address: 11580 Walden Ave

Drawing History:	#	Date	Description
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Date: 10/10/2025
Project Number: 24003
Sheet Title: **ELECTRICAL SITE PLAN - COMMUNICATIONS**

Sheet Number: **E303**



FEEDER SCHEDULE											
COPPER CONDUCTORS											
DESIGNATION	PHASE	NEUTRAL	EQUIP. GND	CONDUIT	DESIGNATION	PHASE	NEUTRAL	EQUIP. GND	CONDUIT	DESIGNATION	PHASE
AMPS / CIRC. BREAKER	SIZE	QUANTITY	SIZE	QUANTITY	AMPS / CIRC. BREAKER	SIZE	QUANTITY	SIZE	QUANTITY	AMPS / CIRC. BREAKER	SIZE
AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL
SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES
QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
A	15	12	3	12	1	12	1	12	1	12	1
B	20	12	3	12	1	12	1	12	1	12	1
C	30	10	3	10	1	10	1	10	1	10	1
D	40	8	3	8	1	10	1	10	1	10	1
E	50	6	3	6	1	10	1	10	1	10	1
F	60	4	3	4	1	10	1	10	1	10	1
G	70	4	3	4	1	8	1	8	1	8	1
H	80	3	3	3	1	8	1	8	1	8	1
I	90	2	3	2	1	8	1	8	1	8	1
J	100	1	3	1	1	8	1	8	1	8	1
K	125	1	3	1	1	6	1	6	1	6	1
L	150	10	3	10	1	6	1	6	1	6	1
M	175	20	3	20	1	6	1	6	1	6	1
N	200	30	3	30	1	6	1	6	1	6	1
O	225	40	3	40	1	4	1	4	1	4	1
P	250	250	3	250	1	4	1	4	1	4	1
Q	225	40	3	40	1	4	1	4	1	4	1
R	250	250	3	250	1	4	1	4	1	4	1
S	300	350	3	350	1	4	1	4	1	4	1
T	350	500	3	500	1	3	1	3	1	3	1
U	400	30	6	30	2	2	2	2	2	2	2
V	500	250	6	250	2	2	2	2	2	2	2
W	600	350	6	350	2	1	2	3	2	3	2
X	700	500	6	500	2	10	2	4	2	4	2
Y	800	300	9	300	3	10	3	3	3	3	3
Z	1000	400	9	400	3	20	3	3	3	3	3
AA	1200	350	12	350	4	30	4	3	4	3	4
BB	1600	400	15	400	5	40	5	3	5	3	5
CC	2000	400	18	400	6	250	6	3	8	3	8
DD	2500	400	24	400	8	300	8	3	8	3	8
EE	3000	500	24	500	8	400	8	3	8	3	8
ALTERNATE CONFIGURATION											
U	400	600	3	600	1	2	1	4	1	4	1
Y	800	600	6	600	2	10	2	4	2	4	2
AA	1200	600	9	600	3	30	3	4	3	4	3
BB	1600	600	12	600	4	40	4	4	4	4	4
CC	2000	600	15	600	5	250	5	4	5	4	5
ALUMINUM CONDUCTORS											
DESIGNATION	PHASE	NEUTRAL	EQUIP. GND	CONDUIT	DESIGNATION	PHASE	NEUTRAL	EQUIP. GND	CONDUIT	DESIGNATION	PHASE
AMPS / CIRC. BREAKER	SIZE	QUANTITY	SIZE	QUANTITY	AMPS / CIRC. BREAKER	SIZE	QUANTITY	SIZE	QUANTITY	AMPS / CIRC. BREAKER	SIZE
AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL	AVG/KMIL
SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES
QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
AK	100	10	3	10	1	6	1	1 1/2	1	6	1
AL	125	20	3	20	1	4	1	2	1	4	1
AM	150	30	3	30	1	4	1	2	1	4	1
AN	175	40	3	40	1	4	1	2 1/2	1	4	1
AO	200	250	3	250	1	4	1	2 1/2	1	4	1
AP	225	300	3	300	1	2	1	3	1	2	1
AQ	250	350	3	350	1	2	1	3	1	2	1
AR	300	500	3	500	1	2	1	4	1	2	1
AS	350	600	3	600	1	2	1	4	1	2	1
AT	350	40	6	40	2	1	2	2 1/2	2	1	2
AU	400	250	6	250	2	1	2	2 1/2	2	1	2
AV	500	350	6	350	2	10	2	3	2	10	2
AW	600	500	6	500	2	20	2	4	2	20	2
AX	700	350	9	350	3	30	3	3	3	30	3
AY	800	400	9	400	3	30	3	3	3	30	3
AZ	1000	350	12	350	4	40	4	4	4	40	4
AAA	1200	500	12	500	4	250	4	4	4	250	4
ABB	1600	400	16	400	6	350	6	4	8	350	6
ACC	2000	500	21	500	7	400	7	4	7	400	7
ADD	2500	500	27	500	9	400	9	4	9	400	9
AEE	3000	600	27	600	9	400	9	4	9	400	9
ALTERNATE CONFIGURATION											
AT	350	600	3	600	1	1	1	4	1	4	1
AY	800	750	6	750	2	30	2	4	2	30	2
AZ	1000	600	9	600	3	40	3	4	3	40	3
BB	1600	600	13	600	5	350	5	4	5	350	5
ACC	2000	600	18	600	6	400	6	4	6	400	6

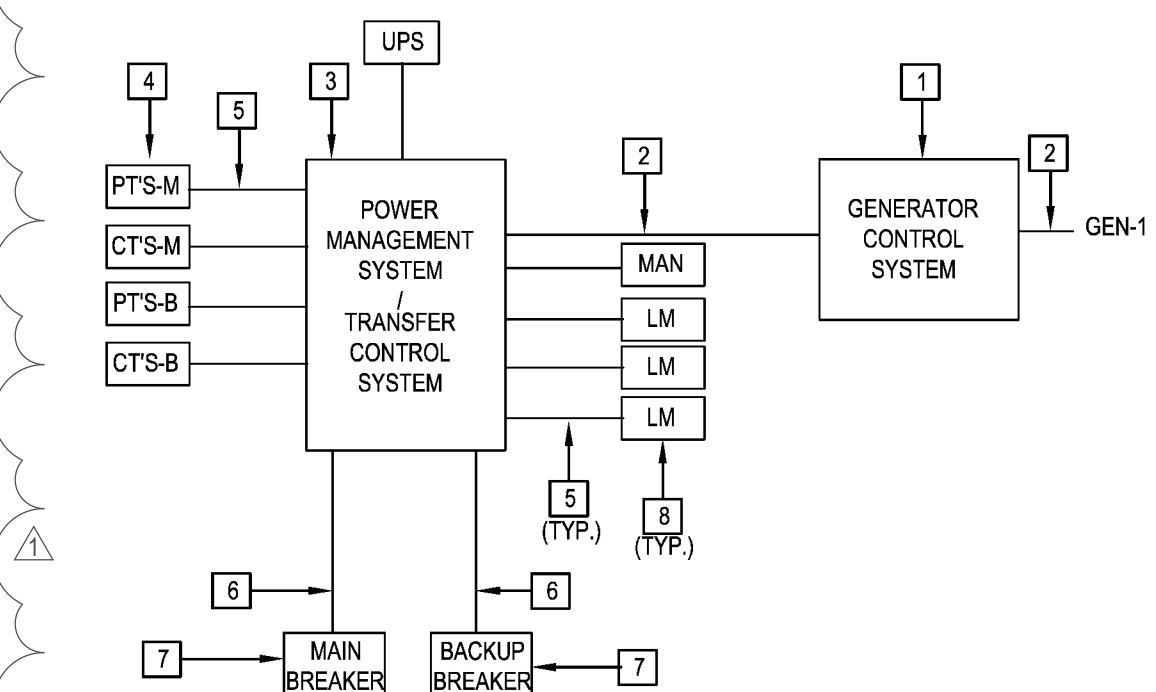
- NOTES:
1. ALL CONDUIT FILL CAPACITIES ARE BASED ON THHN INSULATION.
 2. ALL CONDUIT FILL CAPACITIES ARE BASED ON EMT CONDUIT. IF ALTERNATE CONDUIT IS USED, CONTRACTOR SHALL ADJUST CONDUIT SIZE ACCORDING TO NEC.
 3. ALL 23 KV CABLES MUST BE INSTALLED IN RGS CONDUIT WITH APPROPRIATE WARNING LABELS.

GENERAL NOTES:

- A. LSWLSIG INDICATES CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP UNIT.
- B. ALL NORMAL BRANCH SWITCHBOARDS AND DISTRIBUTION PANELBOARDS (400A+)
- C. SHALL BE FULLY RATED.
- D. ALL NORMAL BRANCH PANELBOARDS SHALL BE SERIES RATED.
- E. ALL EMERGENCY AND STANDBY GENERATORS SHALL BE FULLY RATED.
- F. SUBPANELS TO MATCH R RATINGS OF UPSTREAM PANELBOARDS.

ELECTRICAL DRAWING NOTES (2) :

1. EXISTING SERVICE CONDUCTORS, SWITCHGEAR, AND EQUIPMENT TO REMAIN.
2. EXISTING MEDIUM VOLTAGE SWITCHGEAR TO REMAIN.
3. GROUP OPERATED DISCONNECT REPLACED IN A SEPARATE CONTRACT.
4. (2) 1" CONDUITS TO ELECTRICAL ROOM FOR GENERATOR ACCESSORY CIRCUITS AND GENERATOR CONTROLS.
5. INTEGRATED AUTOMATIC TRANSFER CONTROLLER BY SWITCHBOARD MANUFACTURER.
6. 1.5MW GENERATOR IS OWNER SUPPLIED AND CONTRACTOR INSTALLED.
7. (2) 4" UNDERSLAB CONDUITS PROVIDED AND INSTALLED UNDER A SEPARATE CONTRACT. PROVIDE AND INSTALL FEEDERS.
8. USE ALTERNATE AY FEEDER CONFIGURATION.
9. EMERGENCY BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICES TO BE SELECTIVELY COORDINATED PER MANUFACTURERS TABLES.
10. UTILIZE EXISTING 400A SWITCH FOR NEW FEEDER. RE-FEED EXISTING LOAD FROM ANOTHER AVAILABLE SWITCH. EXTENDING WORK CONDUCTORS AS REQUIRED.
11. PROVIDE NEW 400A FUSES IN EXISTING SWITCH.



NOTES: (2)

1. GENERATOR CONTROL SYSTEM, TO BE PROVIDED BY GENERATOR MANUFACTURER.
2. START/STOP SIGNAL, WIRING PER MANUFACTURER'S RECOMMENDATIONS.
3. POWER LOAD MANAGEMENT AND BREAKER CONTROL SYSTEM FOR PROGRAMMED LOAD TRANSFER, TO BE PROVIDED BY SWITCHGEAR MANUFACTURER. THE SYSTEM SHALL BE UTILITY GRADE RELAY SYSTEM ACCEPTABLE TO NYSEG FOR OPEN TRANSITION. THE SYSTEM SHALL BE CAPABLE OF PROVIDING ALL FUNCTIONS ACCORDING TO SEQUENCE OF OPERATION FOR MULTIPLE MODES OF OPERATION. THE SYSTEM SHALL BE CAPABLE OF VOLTAGE AND LOAD MONITORING FOR OPEN TRANSITION TRANSFER, AND CONTROLLING THE MAIN AND BACKUP POWER BREAKERS.
4. RELAYING CLASS INSTRUMENT TRANSFORMERS: PROVIDE POTENTIAL TRANSFORMERS IF REQUIRED BY THE SYSTEM FOR ACCEPTABLE VOLTAGE.
5. WIRING PER MANUFACTURER'S RECOMMENDATIONS.
6. BREAKER STATUS, OPEN, CLOSE, CIRCUITS, WIRING PER MANUFACTURER'S RECOMMENDATIONS.
7. POWER BREAKER ELECTRICALLY OPERATED.
8. ADDRESSABLE LOAD SHED MODULES, QUANTITY AS INDICATED ON DRAWINGS.



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Project: Alden Green House

Project Address: 11580 Walden Ave

Drawing History: # Date Description
1 12/5/2025 REVISIONS

Date: 10/10/2025

Project Number: 24003

Sheet Title: ONE-LINE DIAGRAM
(FOR REFERENCE ONLY)

Sheet Number: E501