

ISSUANCE  
ISSUED FOR BID/ PERMIT

PROJECT



VILLAGE OF GURNEE PUBLIC WORKS MATERIAL BIN RECONSTRUCTION PROJECT

1151 KILBOURNE ROAD  
GURNEE, IL 60031

PROJECT TEAM

ARCHITECT



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STRUCTURAL ENGINEER



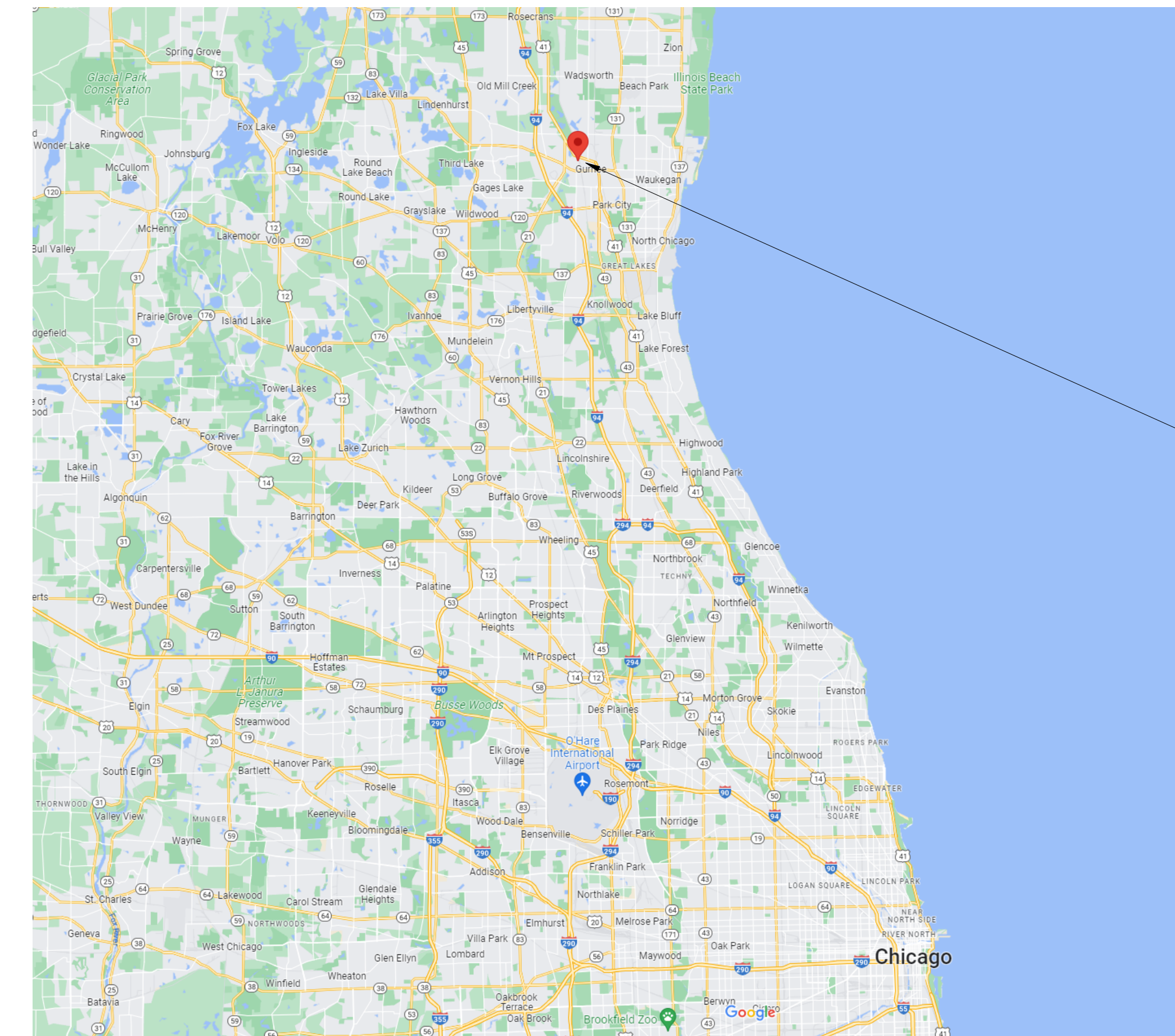
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APPLICABLE CODES & ORDINANCES

- 2012 INTERNATIONAL BUILDING CODE (EFFECTIVE MAY 1, 2012)
- 2012 INTERNATIONAL MECHANICAL CODE (EFFECTIVE MAY 1, 2012)
- 2012 INTERNATIONAL FUEL GAS CODE (EFFECTIVE MAY 1, 2012)
- 2012 INTERNATIONAL FIRE CODE (EFFECTIVE MAY 1, 2012)
- 2012 INTERNATIONAL WILDLAND URBAN INTERFACE CODE (EFFECTIVE MAY 1, 2012)
- STATE OF ILLINOIS PLUMBING CODE
- 2002 NATIONAL ELECTRIC CODE
- ILLINOIS ACCESSIBILITY CODE
- ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES
- VILLAGE OF GURNEE ZONING ORDINANCE

DRAWING INDEX

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LOCATION OF SITE

KEY PLAN FOR OVERALL SITE  
N.T.S.



DES PLAINES RIVER TRAIL

KILBOURNE RD

US HWY 41

LOCATION OF SITE

RAILWAY

KEY PLAN  
N.T.S.



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No.	Date	Issue
1	06/23/2023	ISSUE FOR BID/ PERMIT

Project Number	16065
Drawn	D. PORTH
Checked	A. STRANE
Proj. Arch./Eng.	G. GRUNLOH



Village of Gurnee Public Works  
Material Bin Reconstruction Project

1151 Kilbourne Rd, Gurnee, IL 60031

Project Name

GENERAL INFORMATION &  
DRAWING INDEX

Sheet Name

Drawing No. **G1-1**

SECTION 024119 - SELECTIVE DEMOLITION

- PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Demolition and removal of selected site elements.
1.2 MATERIALS OWNERSHIP
A. Unless otherwise indicated, demolition waste becomes property of Contractor.
1.3 PREINSTALLATION MEETINGS
A. Predemolition Conference. Conduct conference at Project site.
1.4 INFORMATIONAL SUBMITTALS
A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property.
PART 2 - PRODUCTS
2.1 PERFORMANCE REQUIREMENTS
A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition.
PART 3 - EXECUTION
3.1 PROTECTION
A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
3.2 SELECTIVE DEMOLITION
A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated.
3.3 CLEANING
A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.

SECTION 074213.13 - FORMED METAL WALL PANELS

- PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Box rib wall panels.
1.2 ACTION SUBMITTALS
A. Product Data: For each type of product.
B. Shop Drawings: Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
1.3 INFORMATIONAL SUBMITTALS
A. Warranties: Samples of special warranties.
1.4 CLOSEOUT SUBMITTALS
A. Maintenance data.
1.5 QUALITY ASSURANCE
A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
1.6 WARRANTY
A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
PART 2 - PRODUCTS
2.1 PERFORMANCE REQUIREMENTS
A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592:
2.2 METAL WALL PANELS
A. General: Provide factory-formed metal panels designed to be field assembled by concealed attachment in 12" nominal width with panel corrugations that are mechanically attached to wall supports and do not have any exposed fasteners on the panel face for attachment to the wall supports.
2.3 MISCELLANEOUS MATERIALS
A. Miscellaneous Metal Subframing and Furring: ASTM C 645, cold-formed, metallic-coated steel sheet.
3. APPLICATION
A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."

SECTION 077100 - ROOF SPECIALTIES

- PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Roof-edge drainage systems.
1.2 ACTION SUBMITTALS
A. Product Data: For each type of product.
PART 2 - PRODUCTS
2.1 PERFORMANCE REQUIREMENTS
A. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, hole elongation, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects.
2.2 ROOF-EDGE DRAINAGE SYSTEMS
A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
2.3 MATERIALS
A. Zinc-Coated (Galvanized) Steel Sheet: ASTM A 653/A 653M, G90 (Z275) coating designation.
2.4 MISCELLANEOUS MATERIALS
A. Fasteners: Manufacturer's recommended fasteners, suitable for application and designed to meet performance requirements.
PART 3 - EXECUTION
3.1 INSTALLATION, GENERAL
A. Metal Protection: Protect metals against galvanic action by separating dissimilar metals from contact with each other or with corrosive substrates by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.
3.2 ROOF-EDGE DRAINAGE-SYSTEM INSTALLATION
A. General: Install components to produce a complete roof-edge drainage system according to manufacturer's written instructions.
3.3 APPLICATION
A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."

SECTION 099600 - HIGH-PERFORMANCE COATINGS

- PART 1 - GENERAL
1.1 SUMMARY
A. Section includes surface preparation and the application of high-performance coating systems.
1.2 ACTION SUBMITTALS
A. Product Data: For each type of product. Include preparation requirements and application instructions.
PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
2.2 HIGH-PERFORMANCE COATINGS, GENERAL
A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."
PART 3 - EXECUTION
3.1 EXAMINATION
A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
3.2 PREPARATION
A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and coating systems indicated.
3.3 APPLICATION
A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."



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Table with 3 columns: No., Date, Issue. Row 1: 1, 06/23/2023, ISSUE FOR BID/ PERMIT

Table with 2 columns: Project Number, 16065; Drawn, A. STRANE; Checked, A. STRANE; Proj. Arch./Eng., G. GRUNLOH



Village of Gurnee Public Works
Material Bin Reconstruction Project
1151 Kilbourne Rd, Gurnee, IL 60031

Project Name

ARCHITECTURAL SPECIFICATONS

Sheet Name

Drawing No. G1-2

ARCHITECTURAL ABBREVIATIONS LIST

<b>A</b>	AB ANCHOR BOLT ABV ABOVE A/C AIR CONDITIONING ACC ACCESSIBLE ACT ACOUSTICAL TILE ADA AMERICANS WITH DISABILITIES ADD ADDENDUM ADDL ADDITIONAL ADJ ADJUSTABLE AFF ABOVE FINISHED FLOOR ALT ALTERNATE ALUM ALUMINUM AP ACCESS PANEL APPD APPROVED APPROX APPROXIMATE ARCH ARCHITECT(URAL) AUD AUDITORIUM AUTH AUTHORIZED AUTO AUTOMATIC AV AUDIO/VISUAL	<b>E</b>	EA EAST EACH EACH EB EXPANSION BOLT EC EXPOSED CEILING EL ELEVATION ELEC ELECTRICAL ELEV ELEVATOR EMER EMERGENCY ENCL ENCLOSE (URE) ENG ENGINEER EQ EQUAL EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER EXP EXPOSED EXH EXHAUST EXIST EXISTING EXP EXPANSION EXT EXTERIOR	<b>L</b>	L LENGTH LAB LABORATORY LAM LAMINATE(D) LAT LATERAL LAV LAVATORY LB POUND(S) LBL LABEL LH LEFT HAND LIB LIBRARY LIN LINEAR LL LIVE LOAD LP LOW POINT LT LIGHT LTG LIGHTING LTL LINTEL LVR LOUVER	<b>R</b>	R RISER RAD RADIUS RB RUBBER BASE RD ROOF DRAIN REV REVISION, REVISE(D) RECP RECEPTACLE REF REFERENCE REFL REFLECT(ED), (ING) REINF REINFORCE(D), (ING) REQD REQUIRED RFI REQUEST FOR INFORMATION RH RIGHT HAND RM ROOM RO ROUGH OPENING
<b>B</b>	B/ BOTTOM OF BEL BELOW BTWN BETWEEN BEV BEVELED BLKG BLOCK(ING) BLDG BUILDING BM BEAM BOT BOTTOM BRG BEARING BRK BRICK BS BOTH SIDES BSMT BASEMENT BTU BRITISH THERMAL UNIT BUR BUILT-UP ROOFING	<b>F</b>	FAST FASTENER FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FFL FINISH FLOOR LINE FHC FIRE HOSE CABINET FHMS FLATHEAD MACHINE SCREW FHWS FLATHEAD WOOD SCREW FIN FINISH(ED) FLG FLASHING FLR FLOOR(ING) FLUOR FLUORESCENT FR FRAME(D), (ING) FS FULL SIZE FT FOOT (FEET) FTG FOOTING FUR FURRED, FURRING FUT FUTURE FV FIELD VERIFY	<b>M</b>	M METER(S) MACH MACHINE MAN MANUAL MAS MASONRY MATL MATERIAL(S) MAX MAXIMUM MB MARKER BOARD MECH MECHANICAL MED MEDIUM MEMB MEMBRANE MTL METAL MEZZ MEZZANINE MFR MANUFACTURE(R), (ED) MI MILE(S) MIN MINIMUM MISC MISCELLANEOUS MO MASONRY OPENING MTD MOUNTED MULL MULLION	<b>S</b>	S SOUTH SAFB SOUND ATTENUATION FIRE BLANKET SAN SANITARY SC SEALED CONCRETE SCHED SCHEDULE SEC SECOND SECT SECTION SERV SERVICE SF SQUARE FOOT SGL SAFETY GLASS SHT SHEET SIM SIMILAR SK SKETCH S.J. SEALANT JOINT SPEC(S) SPECIFICATION(S) SQ SQUARE SSK SERVICE SINK SST STAINLESS STEEL STD STANDARD STIFF STIFFENER STL STEEL STOR STORAGE STRUCT STRUCTURE, STRUCTURAL SUSP SUSPEND, SUSPENDED SYM SYMMETRY, SYMMETRICAL
<b>C</b>	C CENTER CAB CABINET CAP CAPACITY CEM CEMENT CER CERAMIC CFT CUBIC FOOT (FEET) CG CORNER GUARD CHAM CHAMFER CIR CIRCLE CIRC CIRCUMFERENCE CJ CONTROL JOINT CK CAULKING CLASSRM CLASSROOM CLG CEILING CLO CLOSET CLR CLEARANCE/CLEAR CLS CLOSURE CM CENTIMETER(S) CMU CONCRETE MASONRY UNIT CO CLEAN OUT COEF COEFFICIENT COL COLUMN COMB COMBINATION COMP COMPRESS(ED), (ION), (IBLE) CONC CONCRETE CONF CONFERENCE CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS OR CONTINUE CONTR CONTRACT(OR) CONV CONVECTOR COP COPING CORR CORRIDOR CPT CARPET(ED) CRW CURTAIN WALL CS COUNTERSINK CSMT CASEMENT CT CERAMIC TILE CW COLD WATER CY CUBIC YARDS	<b>G</b>	G GRAM GA GAGE, GAUGE GALV GALVANIZED GC GENERAL CONTRACTOR GD GRADE, GRADING GFR GLASS FIBER REINFORCED GFRC GFR CONCRETE GKT GASKET(ED) GL GLASS, GLAZING GPDW GYPSUM DRYWALL GT GROUT GYM GYPSUM WALL BOARD GYP GYPSUM	<b>N</b>	N NORTH NAT NATURAL NC NO CEILING NIC NOT IN CONTRACT NO. NUMBER NOM NOMINAL NRC NOISE REDUCTION COEFFICIENT NTS NOT TO SCALE	<b>T</b>	T TREAD T/ TOP OF T&B TOP & BOTTOM TEMP TEMPERATURE TERR TERRAZZO T&G TONGUE & GROOVE THK THICK(NESS) THRU THROUGH TV TELEVISION TYP TYPICAL
<b>D</b>	D DEPTH DB DECIBELS DBL DOUBLE DEG DEGREE(S) DEG C DEGREE(S) CELSIUS DEG F DEGREE(S) FAHRENHEIT DEPT DEPARTMENT DET DETAIL DF DRINKING FOUNTAIN DH DOUBLE HUNG DIA DIAMETER DIAG DIAGONAL DIM DIMENSION DIV DIVISION DL DEAD LOAD DN DOWN DP DAMP PROOFING DR DOOR DS DOWNSPOUT DU DWELLING UNIT DWG DRAWING	<b>H</b>	H HIGH HB HOSE BIBB HC HOLLOW CORE HCAP HANDICAP HD HEAD HDW HARDWARE HEX HEXAGONAL HM HOLLOW METAL HORIZ HORIZONTAL HP HORSEPOWER H.P. HIGH POINT HR HOUR HT HEIGHT HTG HEATING HVAC HEATING/VENTILATION/AIR CONDITIONING HW HOT WATER HYD HYDRAULIC	<b>O</b>	OA OVERALL OC ON CENTER OD OUTSIDE DIAMETER OFF OFFICE OH OVERHEAD O.H. OPPOSITE HAND OHMS OVALHEAD MACHINE SCREW OHWS OVALHEAD WOOD SCREW OPNG OPENING OPP OPPOSITE	<b>U</b>	UC UNDERCUT UL UNDERWRITER'S LABORATORY UNEX UNEXCAVATED UNO UNLESS NOTED OTHERWISE UR URINAL
		<b>I</b>	ID INSIDE DIAMETER IN INCHES INCL INCLUDE(D), (ING) INFO INFORMATION INSUL INSULATION INT INTERIOR INTERM INTERMEDIATE	<b>P</b>	PAR PARALLEL PBD PARTICLE BOARD PC PRECAST CONCRETE P.D. PLAN DETAIL PED PEDESTAL PERF PERFORATE(D) PERIM PERIMETER PERP PERPENDICULAR PKG PARKING PL PLATE PLL PROPERTY LINE PLAM PLASTIC LAMINATE PLAS PLASTER PLBG PLUMBING PNL PANEL PNT PAINT(ED) POL POLISH(ED) PR PAIR PREFAB PREFABRICATED PRES PRESSURE PROJ PROJECTION PROT PROTECTION PSI POUNDS PER SQUARE INCH PT POINT PTN PARTITION PVC POLYVINYL CHLORIDE PW PAINTED WOOD	<b>V</b>	VAPB VAPOR BARRIER VB VINYL BASE VCT VINYL COMPOSITE TILE VERT VERTICAL VEST VESTIBULE VIF VERIFY IN FIELD VT VINYL TILE
		<b>J</b>	J JOIST JAN JANITOR JC JANITOR'S CLOSET JCT JUNCTION JT JOINT	<b>Q</b>	QT QUARRY TILE QTY QUANTITY	<b>W</b>	W WEST W/ WITH WC WATER CLOSET WD WOOD WIN WINDOW WL WIND LOAD W/O WITHOUT WP WATERPROOFING WP WORKING POINT WRSTP WEATHER STRIPPING WT WEIGHT WWF WELDED WIRE FABRIC
		<b>K</b>	KG KILOGRAM(S) KIT KITCHEN KM KILOMETER(S) KO KNOCKOUT KS KNEE SPACE		<b>Y</b>	YD YARD	

MATERIAL DESIGNATIONS

	EARTH/ COMPACT FILL
	GRAVEL/ POROUS FILL
	ROCK
	CONCRETE: CAST IN PLACE/ PRECAST
	SAND/ MORTAR/ PLASTER
	CONCRETE MASONRY UNIT
	COMMON/ FACE BRICK
	CUT STONE
	MARBLE
	STEEL
	ALUMINUM
	ROUGH WOOD
	FINISH WOOD
	PLYWOOD
	PARTICLE BOARD
	BATT INSULATION
	RIGID INSULATION
	SPRAYED-ON FIREPROOFING
	SEALANT WITH BACKER ROD
	GYPSUM DRYWALL
	METAL LATH WITH PLASTER
	TERRAZZO
	GLASS
	ACOUSTICAL TILE

ARCHITECTURAL SYMBOLS LIST

	<b>DRAWING TITLE</b> DRAWING NUMBER DRAWING TITLE View Name A6-2 1 1/2" = 1'-0" [REF: 1/ A4-1] BACK REFERENCE TARGET LOCATION (I.E. REFER TO 1/A4-1 FOR TARGET 1/A6-2 LOCATION) DRAWING SCALE SHEET NUMBER		<b>FLOOR ELEVATION TARGET</b> BUILDING DATUM ELEVATION REFERENCE WORK POINT TARGET MAJOR REFERENCE WORK POINT TO LOCATE DIMENSIONS REVISION TARGET REVISION DESIGNATION REVISION CLOUD ALIGN
	<b>NORTH ARROWS</b> TRUE NORTH ARROW PROJECT NORTH ARROW		<b>COLUMN LINE GRID &amp; NUMBERS</b> NEW COLUMN NUMBER EXISTING COLUMN NUMBER
	<b>SECTION TARGET</b> BUILDING SECTION TARGET SECTION NUMBER SHEET NUMBER DETAIL SECTION TARGETS		<b>DETAIL TARGET</b> DETAIL NUMBER SIM SHEET NUMBER
	<b>ELEVATION TARGET</b> BUILDING ELEVATION TARGET SHEET NUMBER DETAIL NUMBER INTERIOR ELEVATION TARGET DETAIL NUMBER SHEET NUMBER		<b>KEYNOTE TARGET</b> KEYNOTE, SEE KEYNOTE LIST
	<b>ACCESSIBILITY SYMBOLS</b> 5'-0" WHEELCHAIR TURNING RADIUS ACCESSIBLE ITEM WHEELCHAIR AREA OF REFUGE WHEELCHAIR CLEAR FLOOR AREA		FENCE
	BUILDING MATCH LINE		

HOLABIRD & ROOT

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Checked	A. STRANE
Proj. Arch./Eng.	G. GRUNLOH



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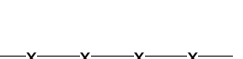
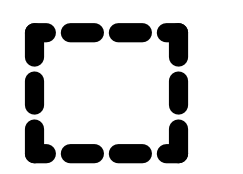
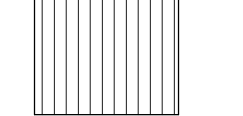
Project Name

ARCHITECTURAL SYMBOLS & ABBREVIATIONS

Sheet Name

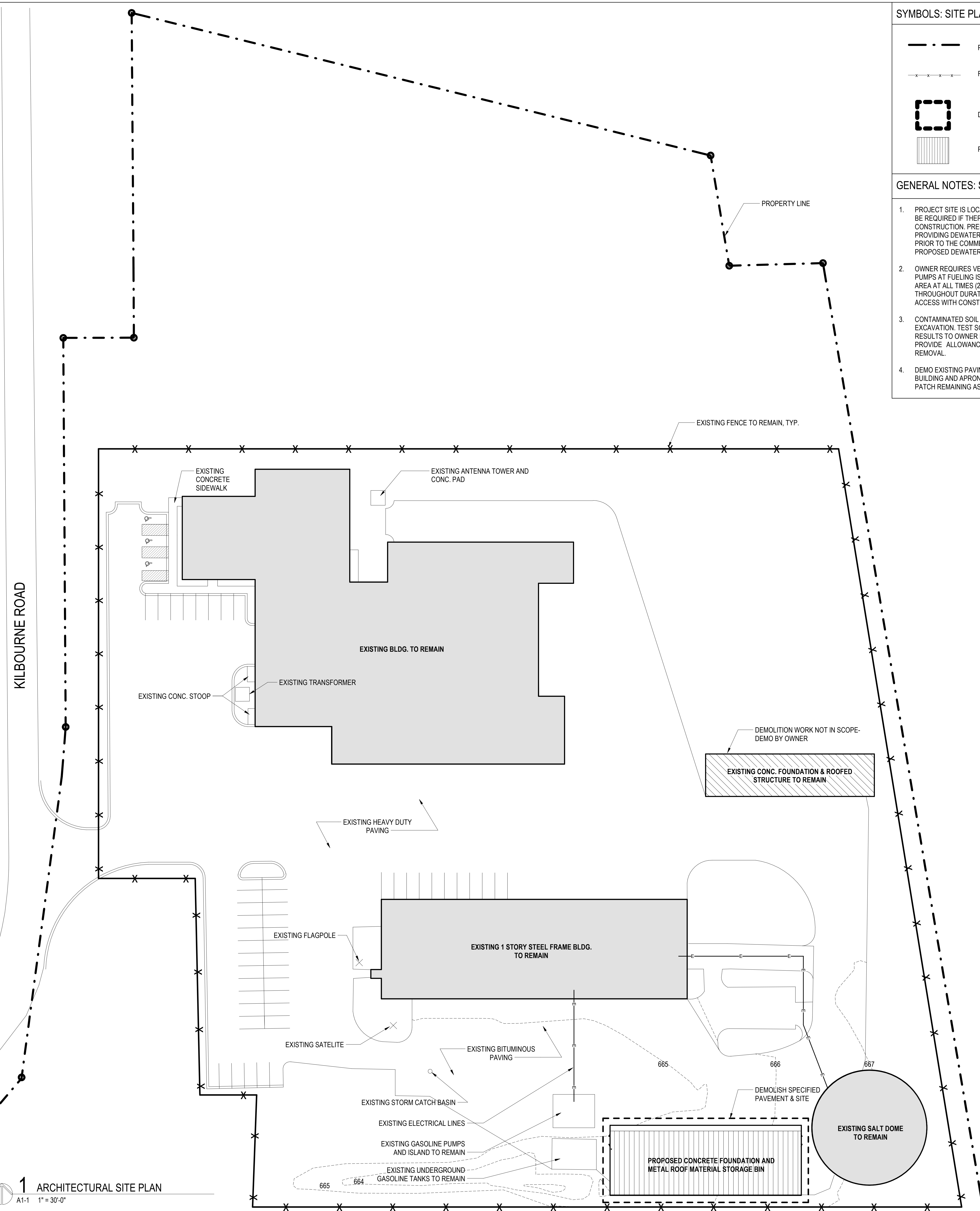
Drawing No. **A1-0**

**SYMBOLS: SITE PLAN**

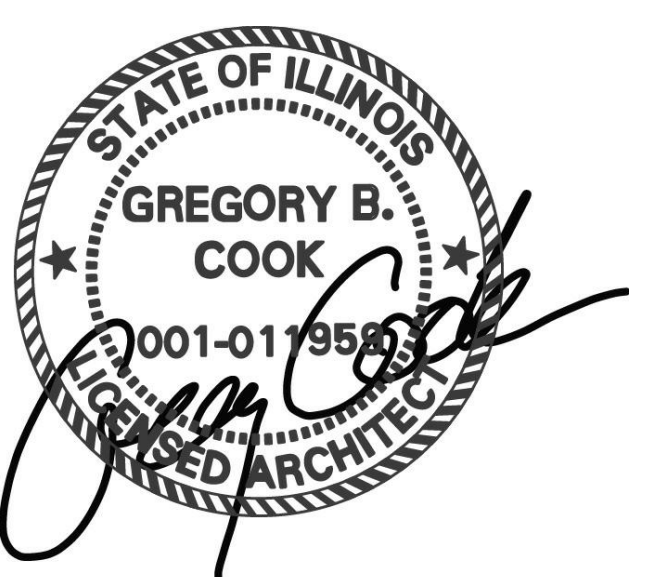
-  PROPERTY LINE
-  FENCE LINE
-  DEMO EXISTING PAVEMENT
-  ROOF/ TOP OF STRUCTURE

**GENERAL NOTES: SITE PLAN**

1. PROJECT SITE IS LOCATED IN FLOOD PLAIN. DEWATERING MAY BE REQUIRED IF THERE IS HEAVY RAINFALL DURING CONSTRUCTION. PREPARE AND SUBMIT WRITTEN PLAN FOR PROVIDING DEWATERING FOR OWNER REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF DEMOLITION. OUTLINE ALL PROPOSED DEWATERING MEASURES.
2. OWNER REQUIRES VEHICLE ACCESS TO EXISTING GASOLINE PUMPS AT FUELING ISLAND. MAINTAIN OWNER ACCESS TO THIS AREA AT ALL TIMES (24 HOURS A DAY/7 DAYS A WEEK) THROUGHOUT DURATION OF CONSTRUCTION. DO NOT BLOCK ACCESS WITH CONSTRUCTION ACTIVITIES OR STAGING.
3. CONTAMINATED SOIL MAY BE ENCOUNTERED DURING EXCAVATION. TEST SOIL FOR CONTAMINANTS AND REPORT RESULTS TO OWNER PRIOR TO HAUL-OFF AND DISPOSAL. PROVIDE ALLOWANCE FOR 260 CY OF CONTAMINATED SOIL REMOVAL.
4. DEMO EXISTING PAVING AND APRON TO PREPARE FOR NEW CONSTRUCTION. PATCH REMAINING ASPHALT.



**1** ARCHITECTURAL SITE PLAN  
A1-1 1" = 30'-0"



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Project Name

ARCHITECTURAL SITE PLAN

Sheet Name

Drawing No. **A1-1**

**GENERAL NOTES: FLOOR PLANS**

- CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS FOR COORD. OF ALL TRADES & SUBS, AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE ARCHITECT.
- ALL DIMENSIONS ARE LOCATED AT FACE OF FINISH, U.N.O.
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2002 NATIONAL ELECTRICAL CODE AND VILLAGE OF GURNEE AMENDMENTS. ALL WIRE SHALL BE COPPER THHN/THWN.
- REPLACE EXISTING ELECTRICAL PANEL LOCATED AT SALT DOME WITH NEW 100A, 120/240V, 1-PHASE, 3-WIRE LOAD CENTER. PANEL SHALL HAVE NEMA 3R WEATHERPROOF COVER. NEUTRAL AND GROUND BARS, 22KA SCCR, 100A/2P MAIN CIRCUIT BREAKER AND (16) CIRCUIT CAPACITY AS FOLLOWS: (4) 1P AND (2) 2P CIRCUIT BREAKERS WITH AMP RATINGS TO MATCH THOSE IN THE EXISTING PANEL (FIELD VERIFY RATINGS), (1) 20A/1P FOR NEW LIGHTING, (2) 20A/1P FOR NEW RECEPTACLES, (3) 20A/1P SPARE, AND (2) 1P SPACES. REMOVE EXISTING PANEL AND RE-INSTALL NEW PANEL IN SAME LOCATION. RE-CONNECT EXISTING ALL EXISTING CONDUIT AND WIRING. PROVIDE NEW 10' LONG, 3/4" COPPER CLAD GROUND ROD BONDED TO PANEL GROUND BUS USING #4 COPPER IN 3/4" CONDUIT. INSTALL A NEW EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC 250 FOR ALL EXISTING CIRCUITS.

**SYMBOLS: FLOOR PLANS**

- NEW ASPHALT PAVING TO MATCH EXISTING. EDGE OF NEW PAVEMENT TO ALIGN WITH EXISTING GRADE OF ADJACENT PAVEMENT.
- NEW 20A WEATHER-RESISTANT, GFCI-PROTECTED DUPLEX RECEPTACLE WITH AN EXTRA-DUTY, WEATHERPROOF, WHILE-IN-USE COVER. EACH SHALL BE CONNECTED TO A DEDICATED 20A/1P CIRCUIT BREAKER IN THE NEW PANEL USING 2#8 & 1#8 GROUND IN 3/4" CONDUIT.
- NEW LED LIGHTING FIXTURES SHALL BE 120V AND UL LISTED WET LOCATION, B.O.D., LITHONIA LIGHTING TFX1 LED 50K MVOLT YK DDBXD FLOODLIGHT IN DARK BRONZE, WITH A YOKE MOUNT, MOUNTED TO BEAM. ALL FIXTURES SHALL BE CONNECTED TO A 20A/1P CIRCUIT BREAKER IN THE NEW PANEL USING 2#10 & 1#10 GROUND IN 3/4" CONDUIT. ALL LIGHTING SHALL HAVE PHOTOCELL CONTROL. PROVIDE DEDICATED SWITCH WITH WEATHERPROOF COVER FOR LIGHTS LOCATED IN WESTERN MOST BAY.



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No.	Date	Issue
2	07/27/2023	ADDENDUM NO. 4
1	06/23/2023	ISSUE FOR BID/ PERMIT

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Checked	A. STRANE
Proj. Arch./Eng.	G. GRUNLOH



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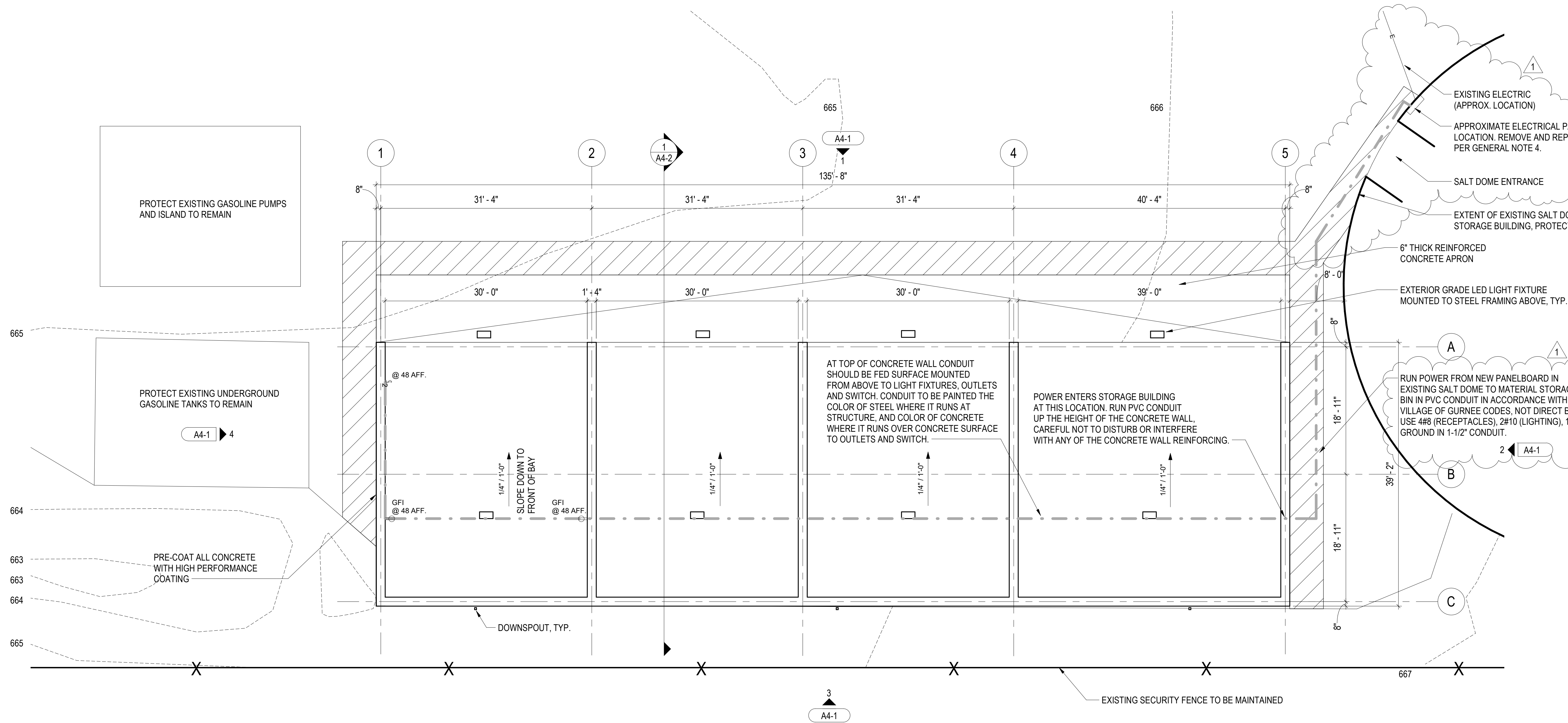
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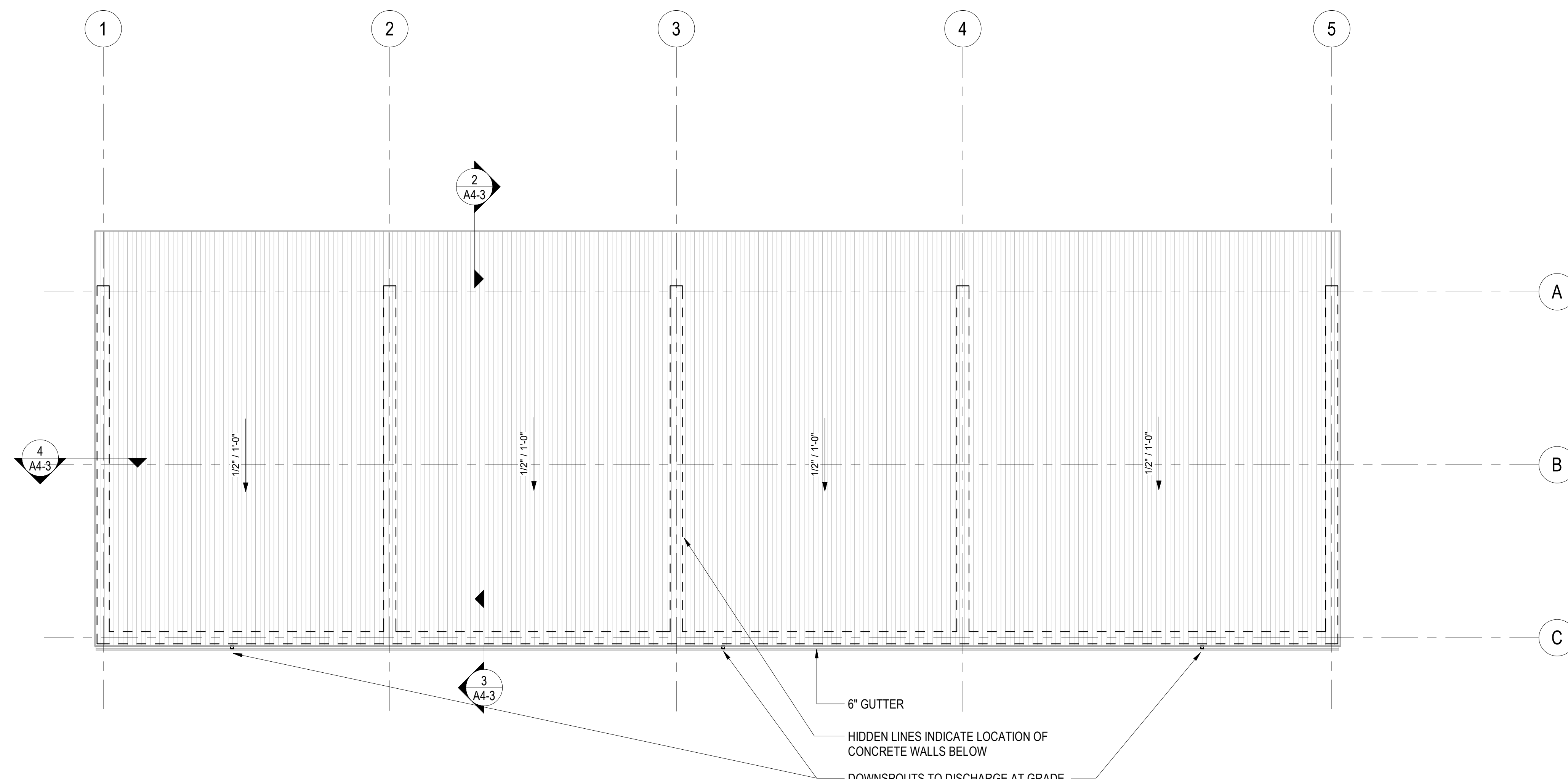
FLOOR PLAN AND ROOF PLAN

Sheet Name

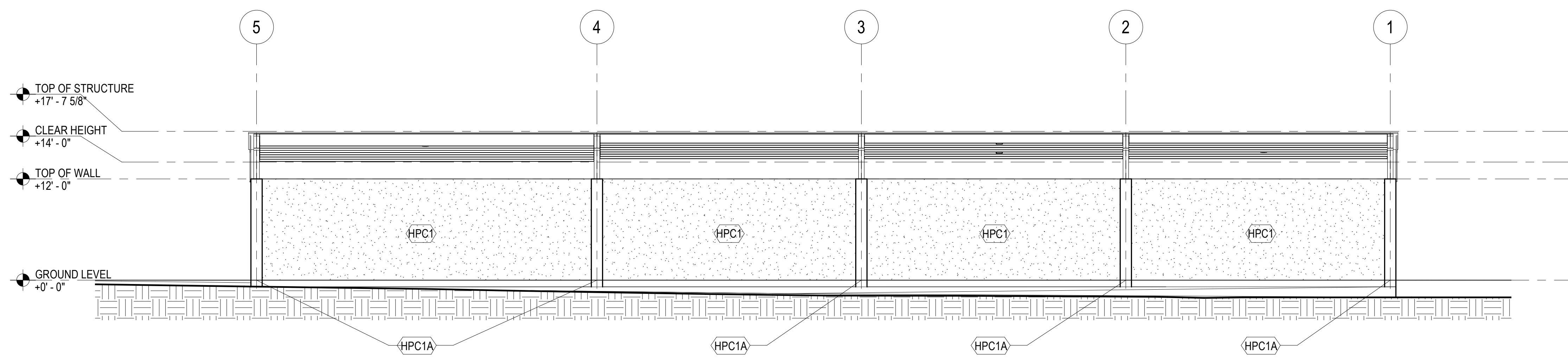
Drawing No. **A2-1**



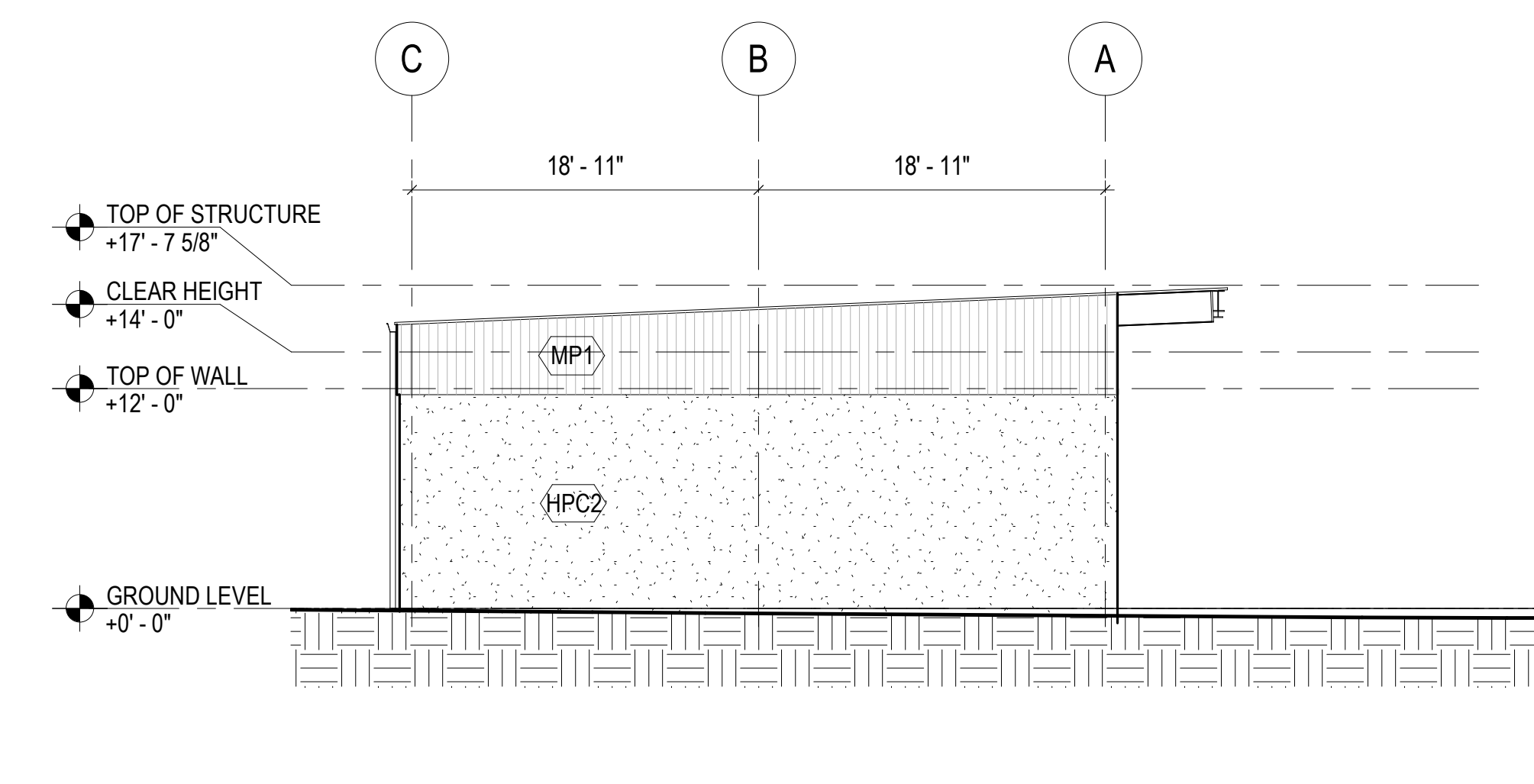
**1 FLOOR PLAN**  
A2-1 1/8" = 1'-0"



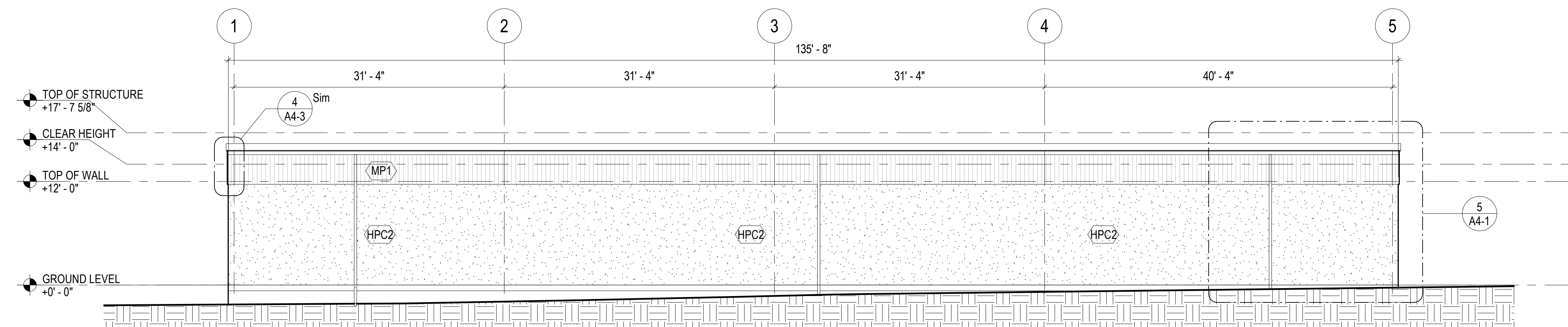
**2 ROOF PLAN**  
A2-1 1/8" = 1'-0"



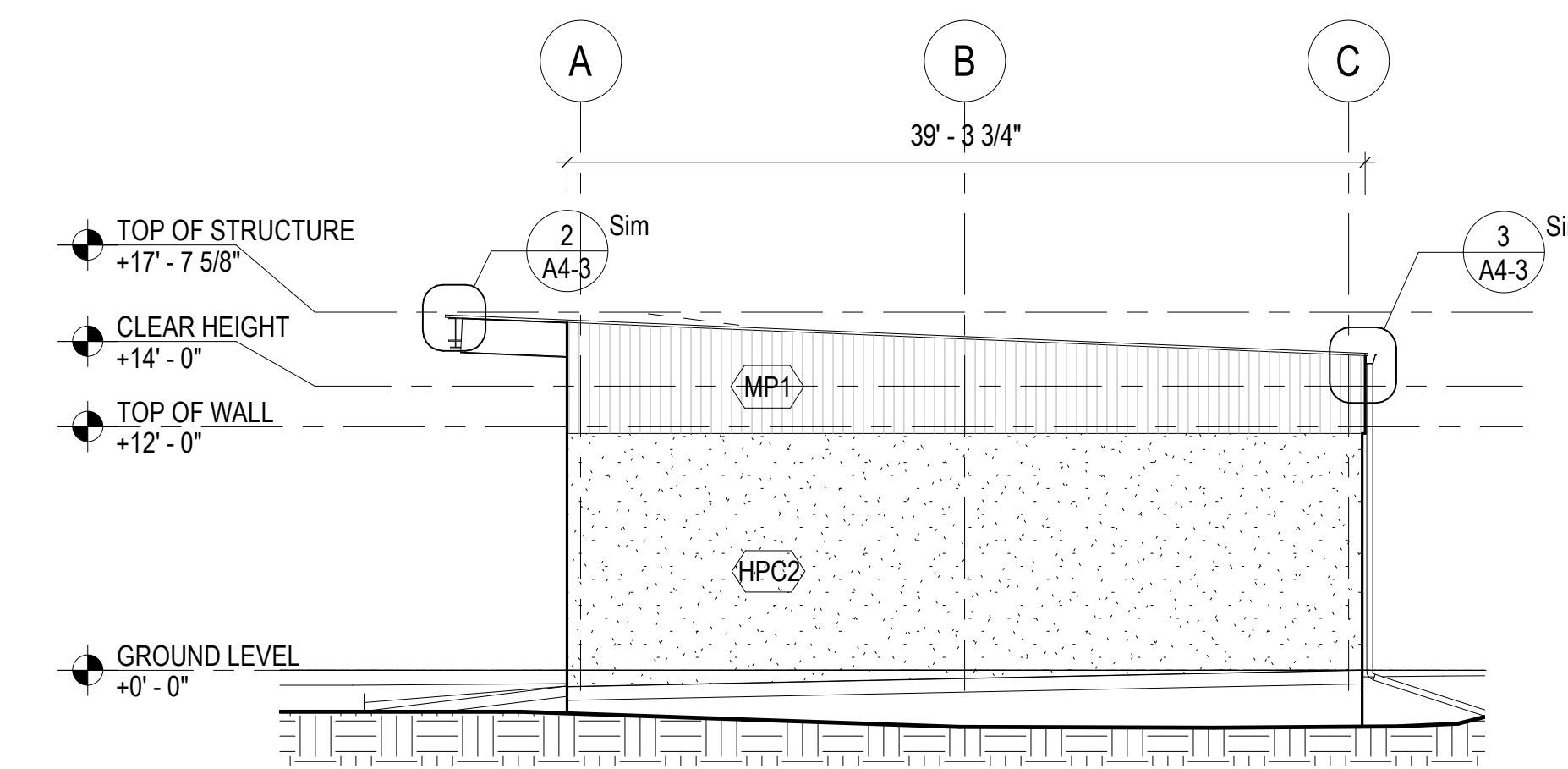
**1 NORTH ELEVATION**  
A4-1 1/8" = 1'-0"



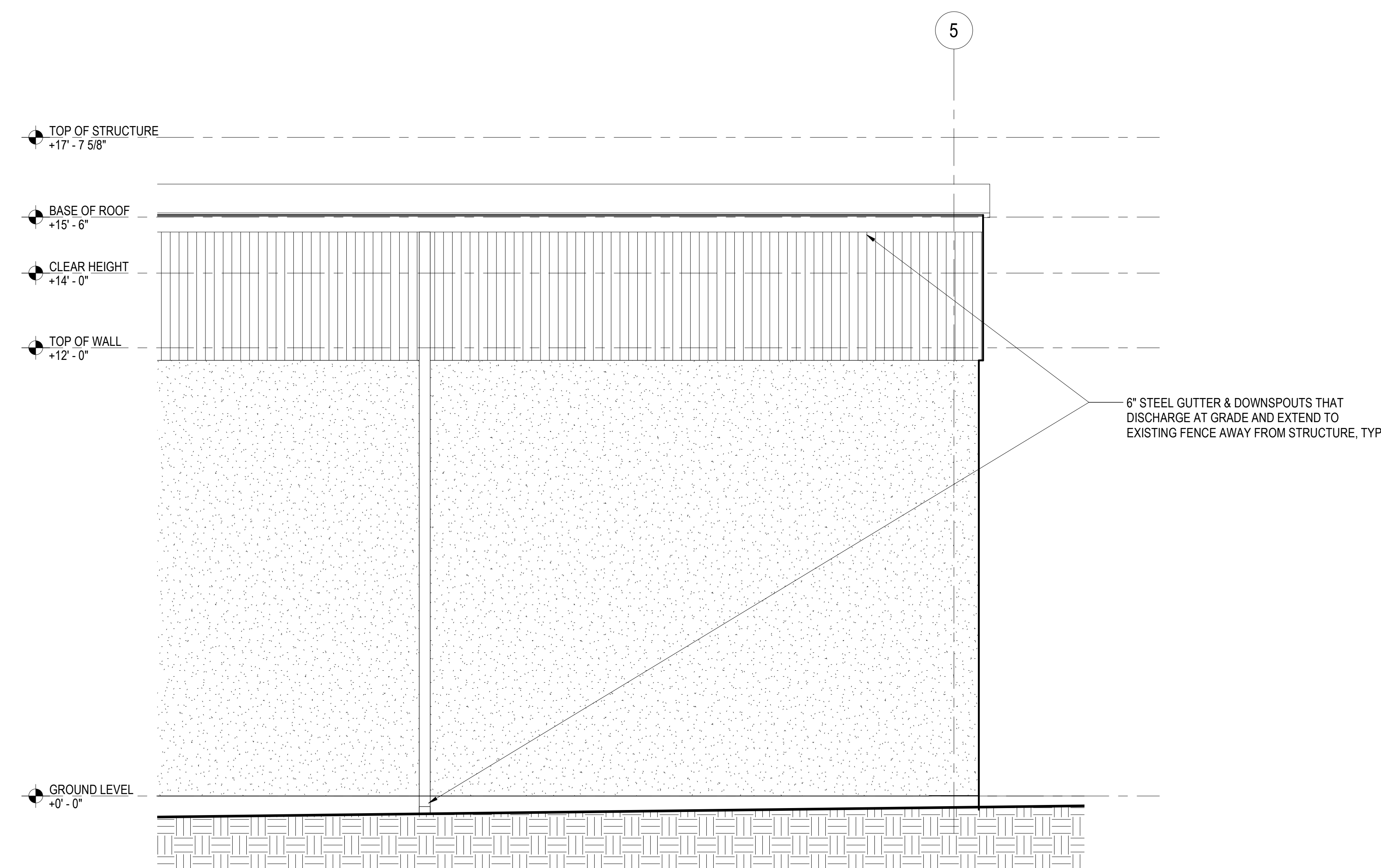
**2 EAST ELEVATION**  
A4-1 1/8" = 1'-0"



**3 SOUTH ELEVATION**  
A4-1 1/8" = 1'-0"



**4 WEST ELEVATION**  
A4-1 1/8" = 1'-0"



**5 SOUTH ELEVATION - ENLARGED**  
A4-1 1/2" = 1'-0"

**GENERAL NOTES: BUILDING ELEVATIONS**

THE NOTES BELOW APPLY TO A4 SERIES DRAWINGS ONLY:

1.  $\langle MPX \rangle$   $\langle BX \rangle$   $\langle PCX \rangle$  NUMBER DESIGNATES MATERIALS OR FINISHES
2.  $\langle HPC1 \rangle$  HIGH PERFORMANCE COATING - INSIDE FACE OF CONCRETE
3.  $\langle HPC2 \rangle$  HIGH PERFORMANCE COATING - OUTSIDE FACE OF CONCRETE
4.  $\langle HPC3 \rangle$  HIGH PERFORMANCE COATING - STEEL
5.  $\langle MP1 \rangle$  CORRUGATED METAL PANEL



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No.	Date	Issue
1	06/23/2023	ISSUE FOR BID/ PERMIT

Project Number	16065
Drawn	D. PORTH
Checked	A. STRANE
Proj. Arch./Eng.	G. GRUNLOH



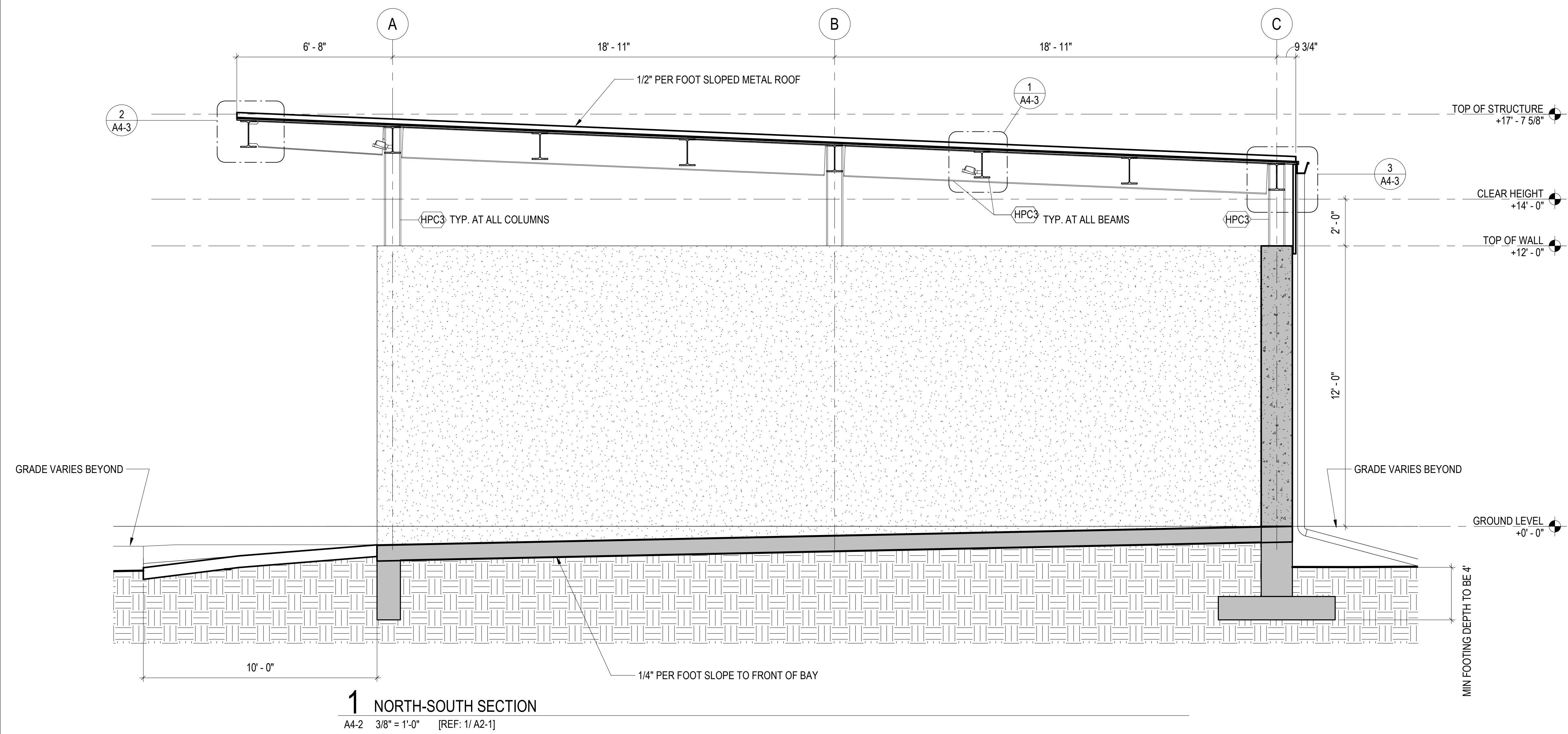
Village of Gurnee Public Works  
Material Bin Reconstruction Project  
1151 Kilbourne Rd, Gurnee, IL 60031

Project Name

**BUILDING ELEVATIONS**

Sheet Name

Drawing No. **A4-1**



**1** NORTH-SOUTH SECTION  
A4-2 3/8" = 1'-0" [REF: 1/A2-1]



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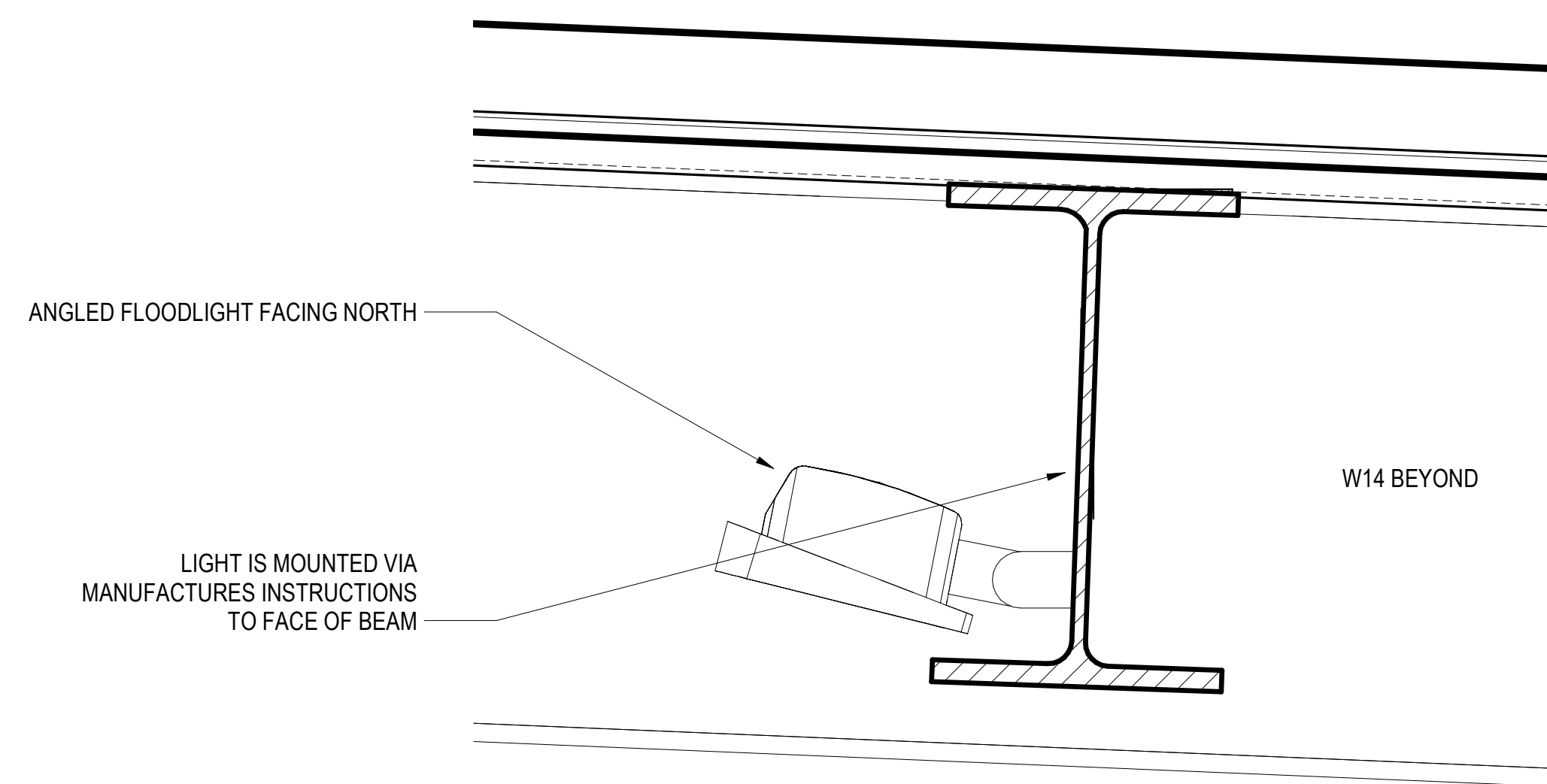
No.	Date	Issue
1	06/23/2023	ISSUE FOR BID/ PERMIT

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Drawn	D. PORTH
Checked	A. STRANE
Proj. Arch./Eng.	G. GRUNLOH



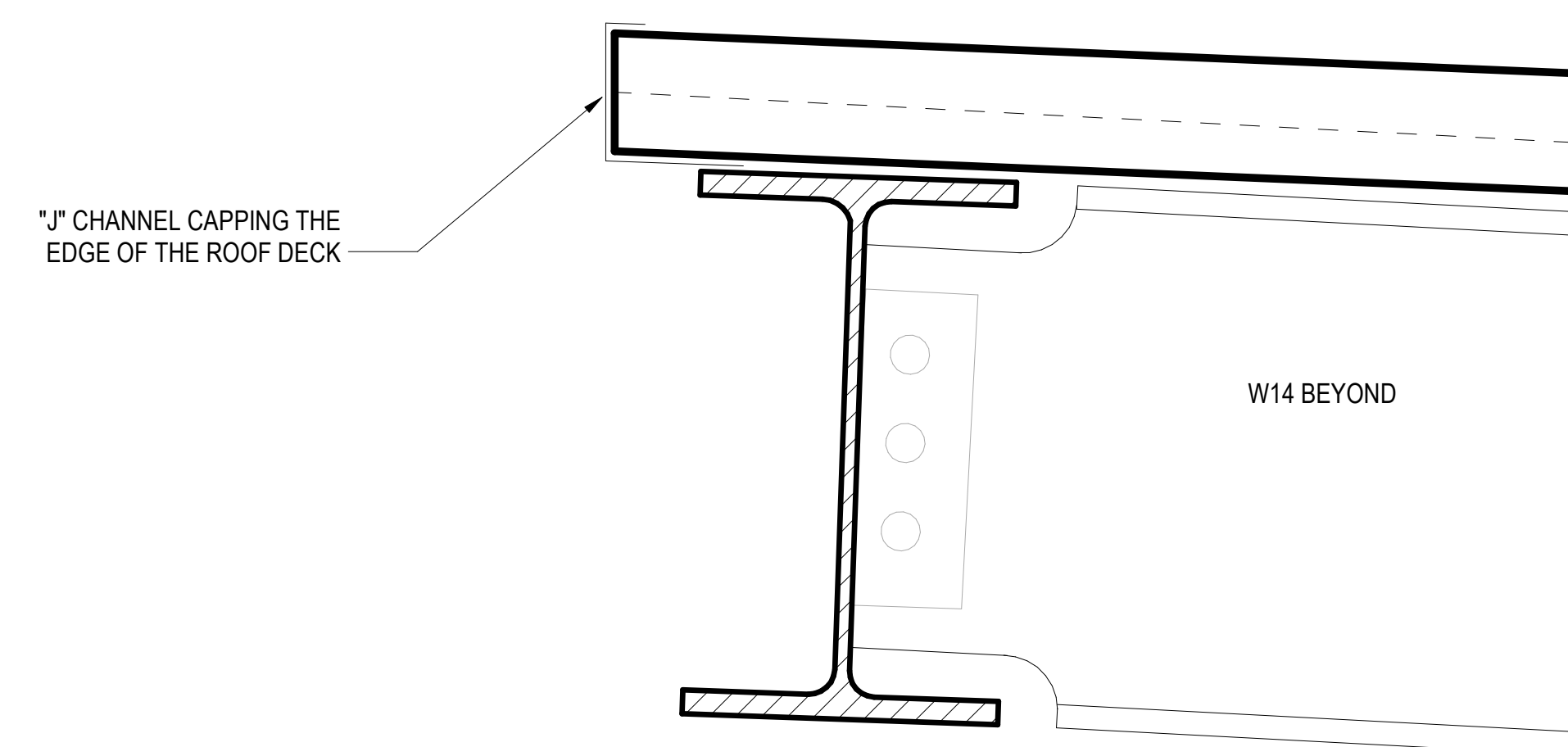
Village of Gurnee Public Works  
Material Bin Reconstruction Project  
1151 Kilbourne Rd, Gurnee, IL 60031

Project Name	Village of Gurnee Public Works Material Bin Reconstruction Project
Sheet Name	BUILDING SECTIONS
Drawing No.	<b>A4-2</b>



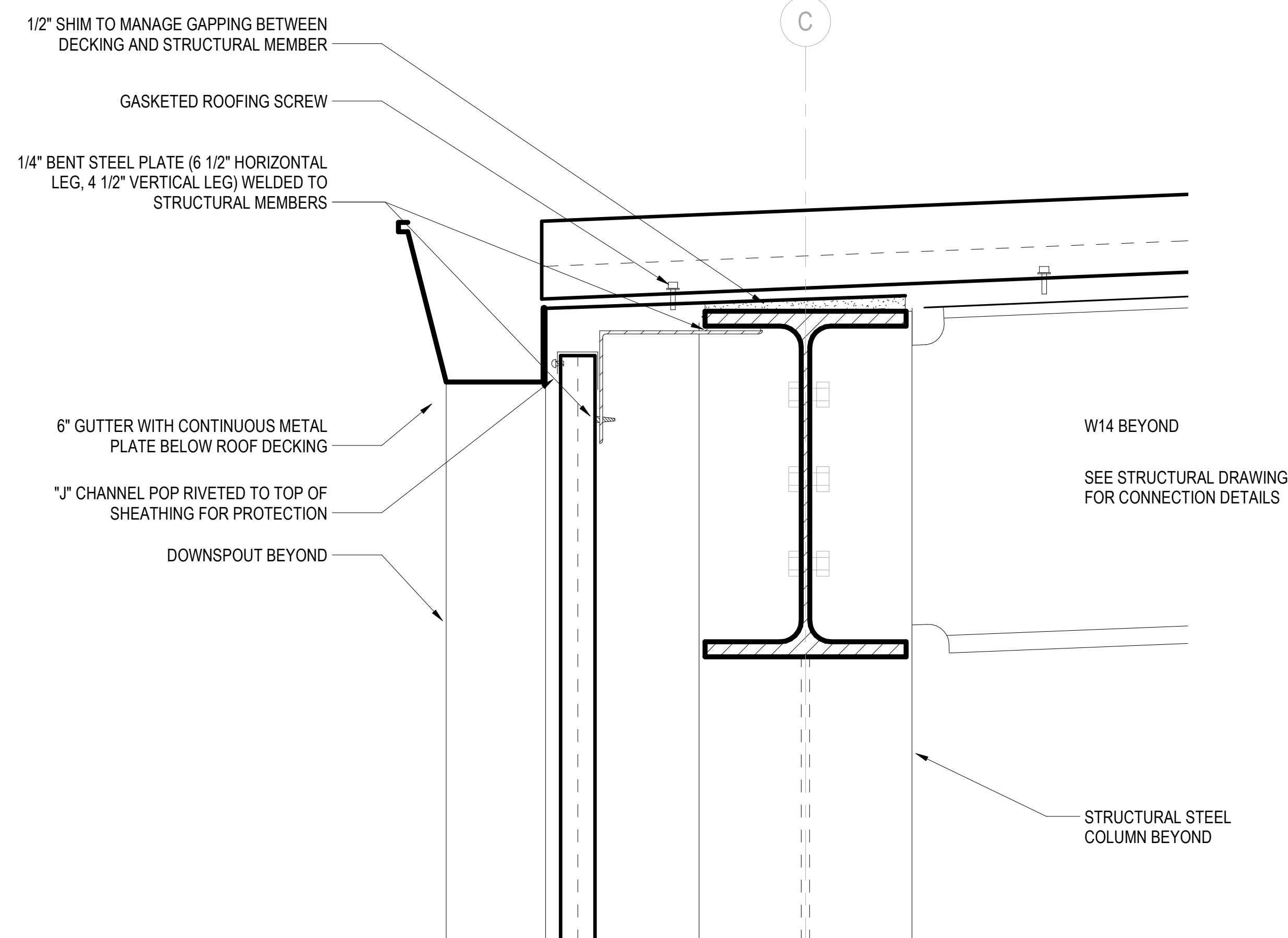
**1 SECTION DETAIL - TYPICAL LIGHT FIXTURE**

A4-3 3" = 1'-0"



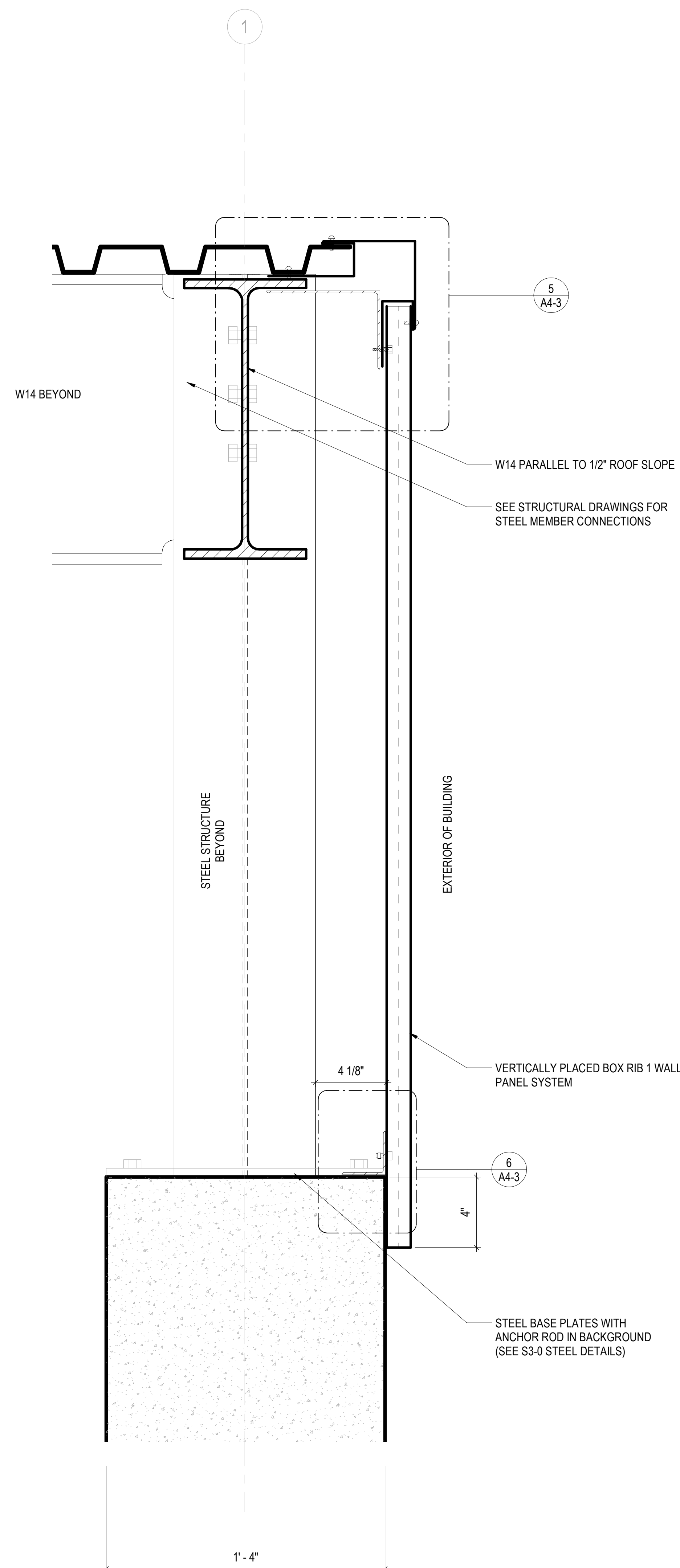
**2 SECTION DETAIL - NORTH EDGE OF ROOF**

A4-3 3" = 1'-0" [REF: 2/ A2-1]



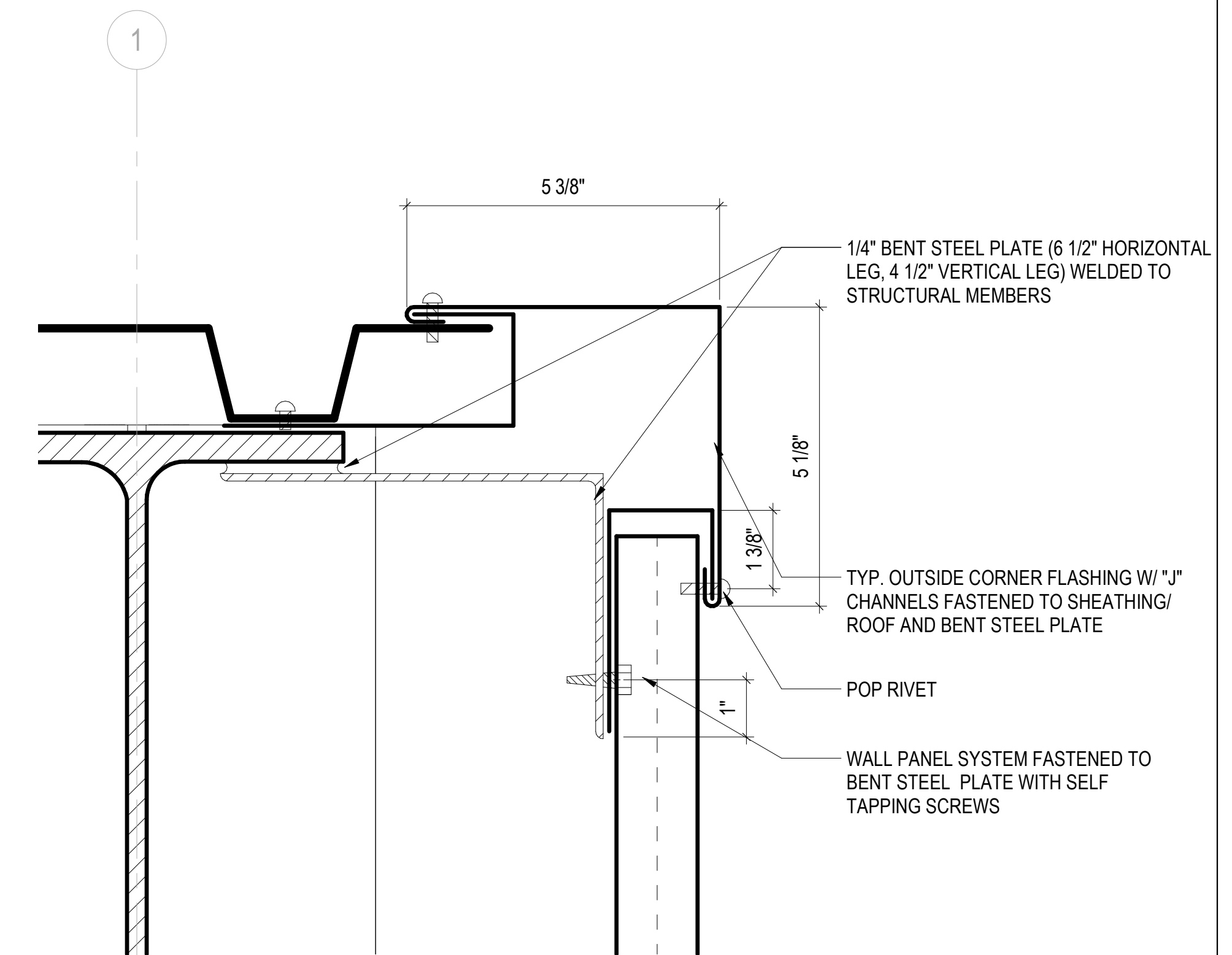
**3 SECTION DETAIL - GUTTER CONNECTION**

A4-3 3" = 1'-0" [REF: 2/ A2-1]



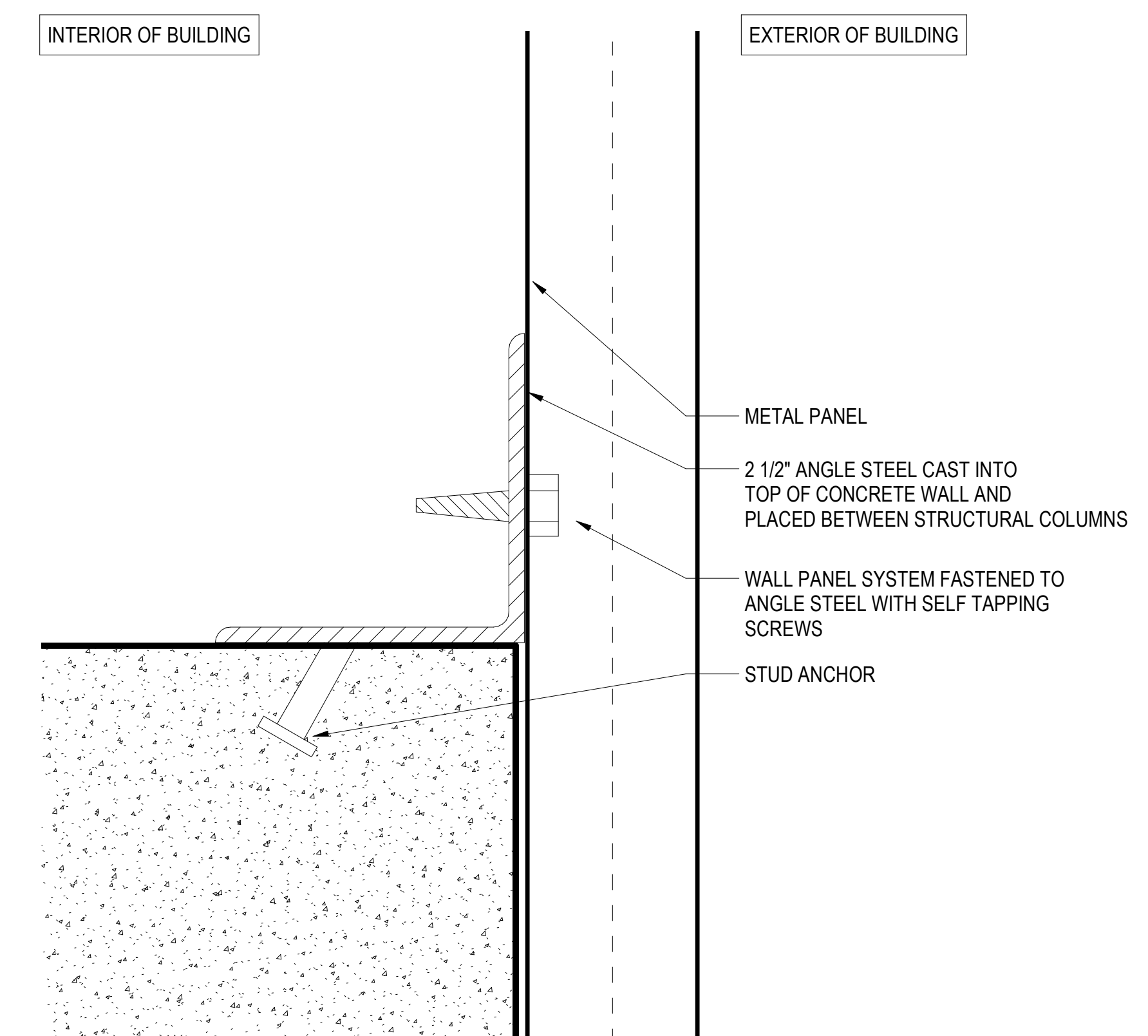
**4 SECTION DETAIL - TYP. EAST/ WEST SHEATHING CONNECTIONS AT TOP OF WALL**

A4-3 3" = 1'-0"



**5 SECTION DETAIL - TYP. SHEATHING TOP CONNECTION**

A4-3 6" = 1'-0" [REF: 4/ A4-3]



**6 SECTION DETAIL - TYP. SHEATHING BASE CONNECTION**

A4-3 12" = 1'-0" [REF: 4/ A4-3]



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Village of Gurnee Public Works  
Material Bin Reconstruction Project

1151 Kilbourne Rd, Gurnee, IL 60031

Project Name

EDGE CONDITIONS AND  
DETAILS

Sheet Name

Drawing No.

**A4-3**





TESTING, INSPECTIONS, AND OBSERVATIONS

- 1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION...
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS...
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, IBC REFERENCE. Rows include concrete construction, reinforcing steel, and welding tasks.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, QC, QA, MATERIAL STD REFERENCE, IBC REFERENCE. Rows include structural steel - fabrication and erection tasks.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel prior to bolting - minimum inspection.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel after bolting - minimum inspection.

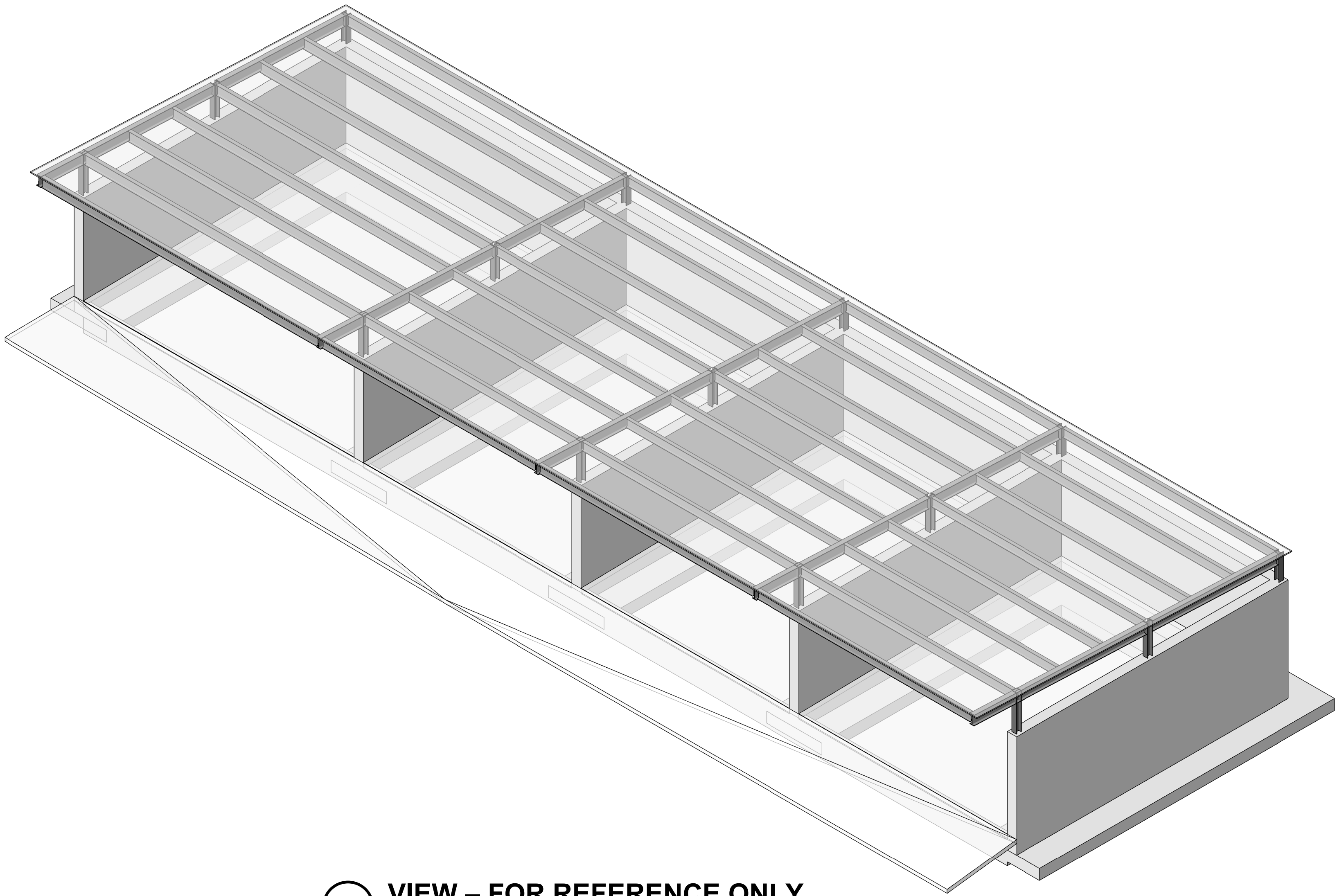
Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel prior to welding - minimum inspection.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel after welding - minimum inspection.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel during welding - minimum inspection.

Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, AWS D1.1 CLAUSES. Rows include structural steel after welding - minimum inspection.

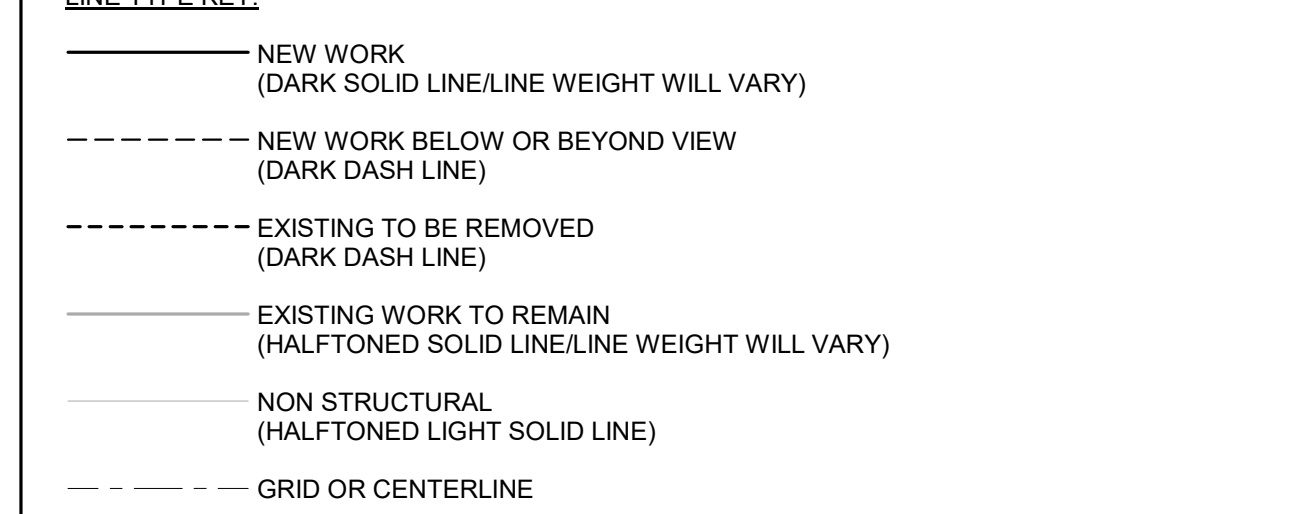
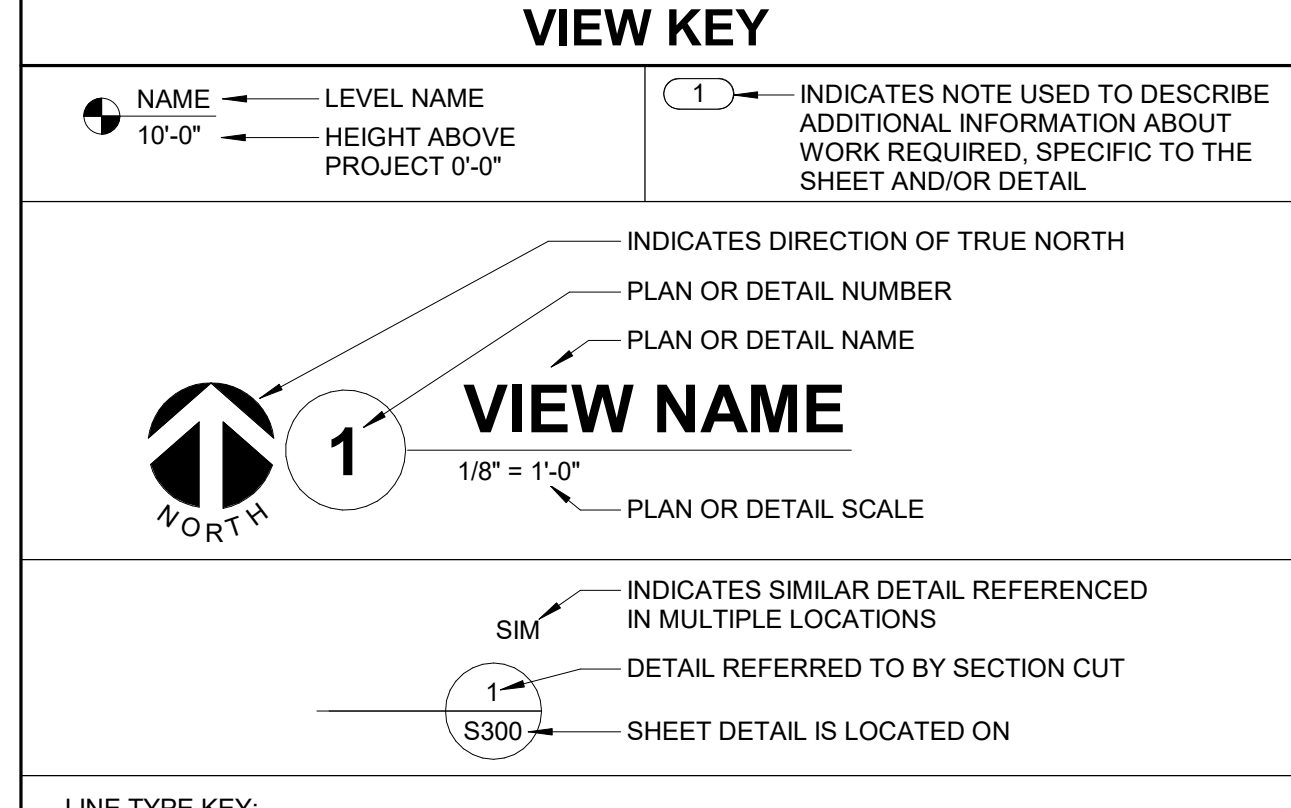
Table with 5 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS, PERIODIC, MATERIAL STD REFERENCE, IBC REFERENCE. Rows include structural decking and soils tasks.



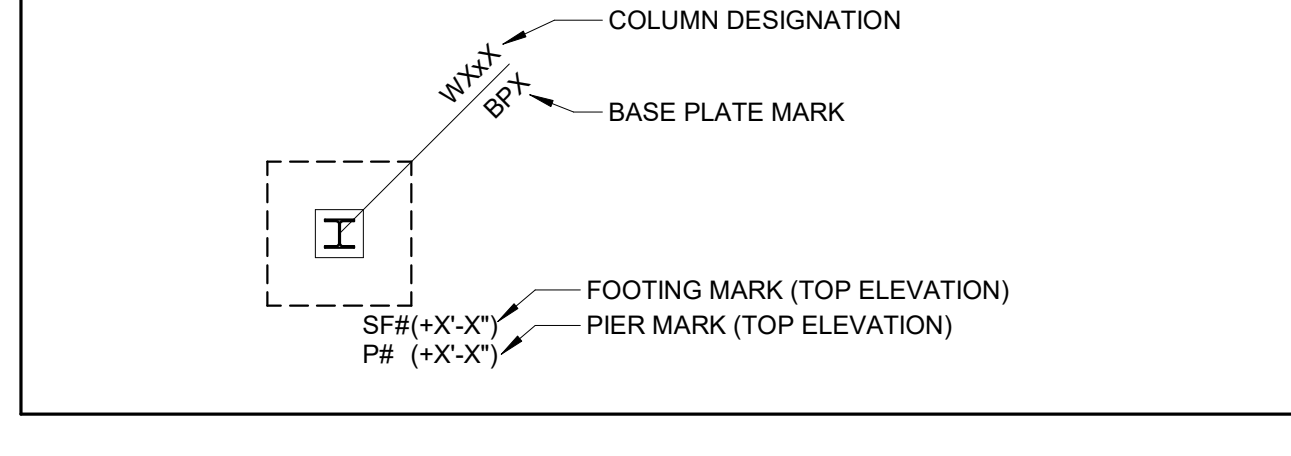
3D VIEW - FOR REFERENCE ONLY

STRUCTURAL SYMBOL LIST table with 3 columns: SYMBOL, DESCRIPTION, DETAIL REFERENCE.

STEEL SYMBOLS table with 3 columns: SYMBOL, DESCRIPTION, DETAIL REFERENCE.



MATERIAL LEGEND table with 2 columns: MATERIAL, SYMBOL. Lists materials like concrete, masonry, metal, earth, precast concrete, gravel, steel, and grout.



STRUCTURAL ABBREVIATION KEY table with 4 columns: ABBR., DESCRIPTION, ABBR., DESCRIPTION. Lists abbreviations for units, dimensions, materials, and construction details.

HOLABIRD & ROOT

140 South Dearborn Chicago, IL 60603
Tel: 312 357 1771 Fax: 312 357 1909

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Professional seal of Alyssa M. FEE, Structural Engineer, State of Illinois, No. 081-006310, dated 06/22/2023, with signature.

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Revision table with 3 columns: No., Date, Issue. Row 1: 06/23/2023, ISSUE FOR BID/ PERMIT.

Project information table with 2 columns: Field, Value. Project Number: 16065, Drawn: K. KRAUSE, Checked: A. FEE, Proj. Arch./Eng.: R. ALVES.



Village of Gurnee Public Works
Material Bin Reconstruction Project

1151 Kilbourne Rd, Gurnee, IL 60031

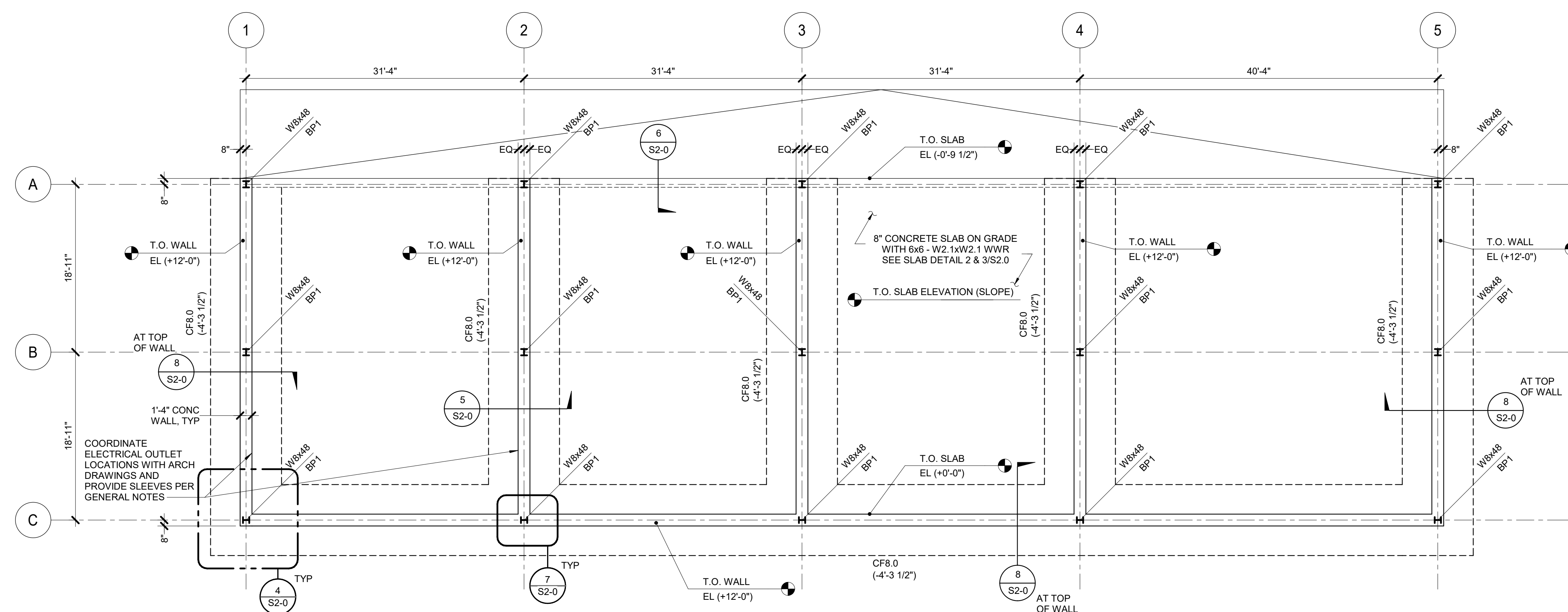
Project Name

TESTING SCHEDULE

Sheet Name

Drawing No. S0-1

IMEG logo and contact information: 203 SHAMAN BOULEVARD, SUITE 100, NAPERVILLE, IL 60563, P. 630.527.2520.



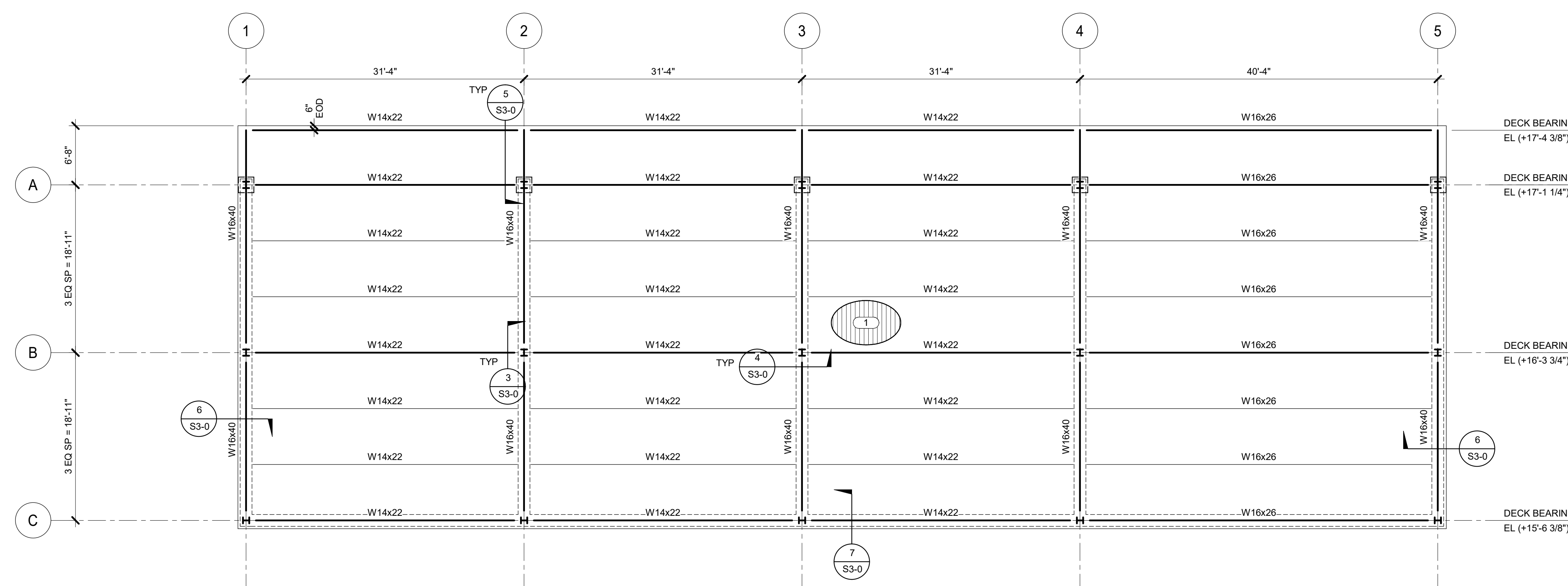
**1 FOUNDATION PLAN**



1/8" = 1'-0"  
NOTES:  
1. BOTTOM OF FOOTING ELEVATION = (SEE PLAN).  
2. SEE WALL BAR SPlicing DETAIL 8/S2.0.  
3. SEE WALL CONSTRUCTION DETAIL 9/S2.0.

**CONTINUOUS FOOTING SCHEDULE**

MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF8.0	8'-0"	1'-6"	#5 @ 8" OC TOP AND BOTTOM	#5 @ 8" OC TOP AND BOTTOM



**2 ROOF FRAMING PLAN**



1/8" = 1'-0"  
NOTE:  
1. SEE 1/S3-0 FOR WF COLUMN BASE PLATES.  
KEYNOTES: (#)  
1. 1/2" (20 GA) TYPE B STEEL ROOF DECK, FASTENING PATTERN IS 30x4 WITH #12 TEK SCREWS AT SUPPORT AND (3) #10 TEK SCREWS PER SPAN AT SIDELAPS. DECK TO BE FULLY GALVANIZED.



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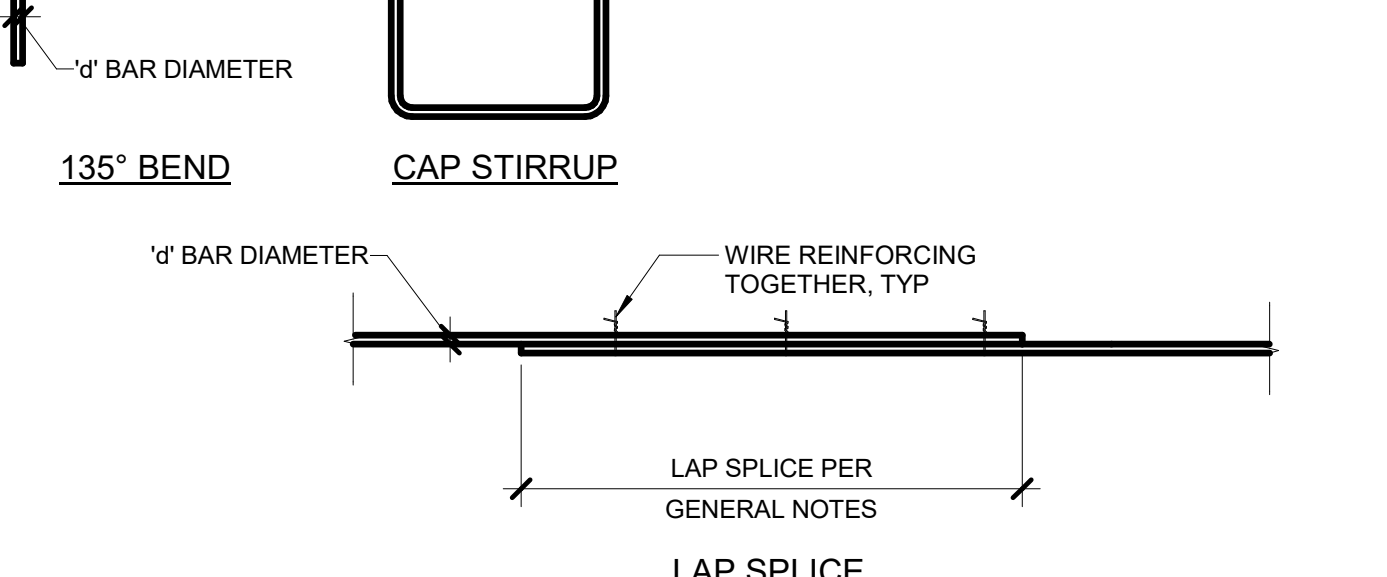
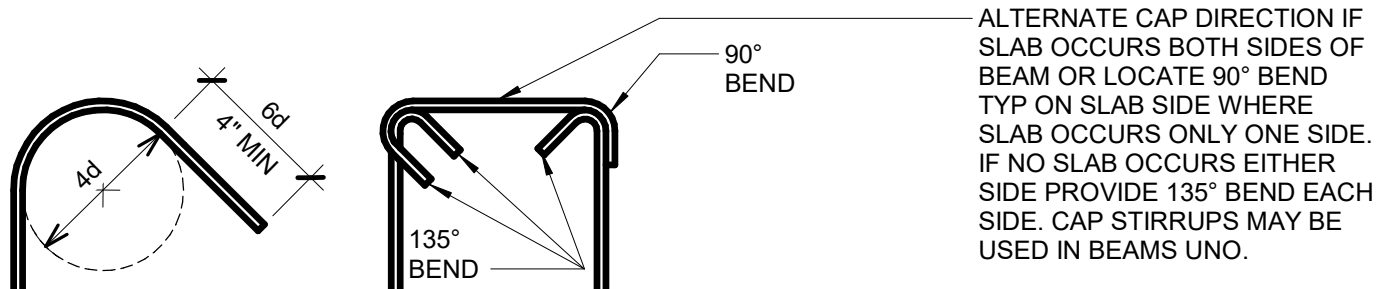
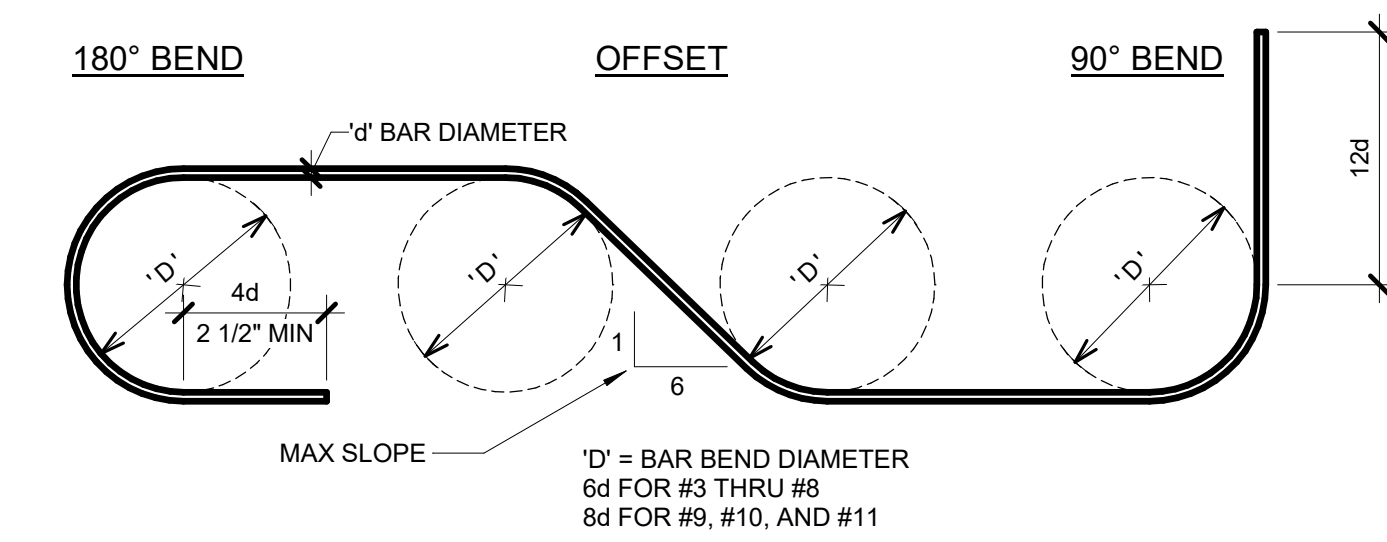
Project Name

**FOUNDATION AND ROOF FRAMING PLANS**

Sheet Name

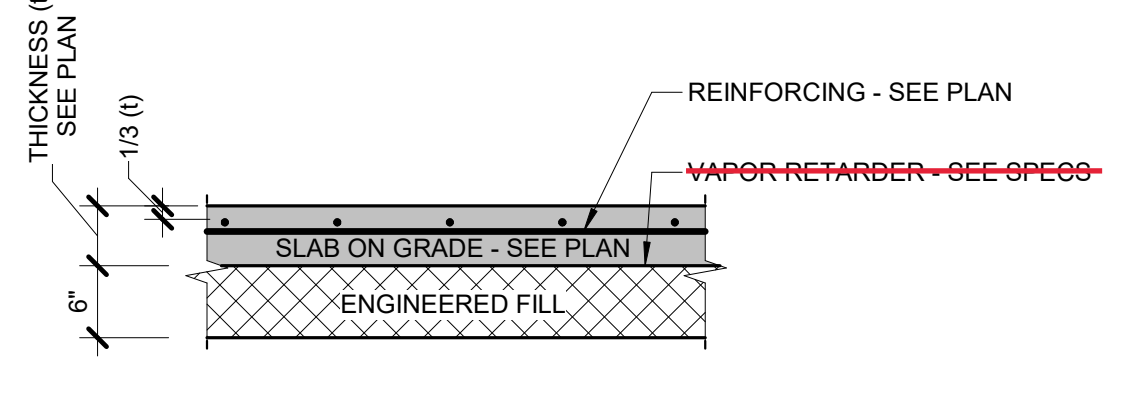
Drawing No. **S1-1**

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REV. SCALE IN INCHES PROJECT #20200989-00



**NOTE:**  
1. ALL HOOKS, BENDS AND LAPS SHALL BE AS INDICATED UNLESS SPECIFICALLY NOTED ON DETAIL. FOR LIGHTWEIGHT CONCRETE, MULTIPLY VALUE FROM THE GENERAL NOTES TABLE BY 1.15.

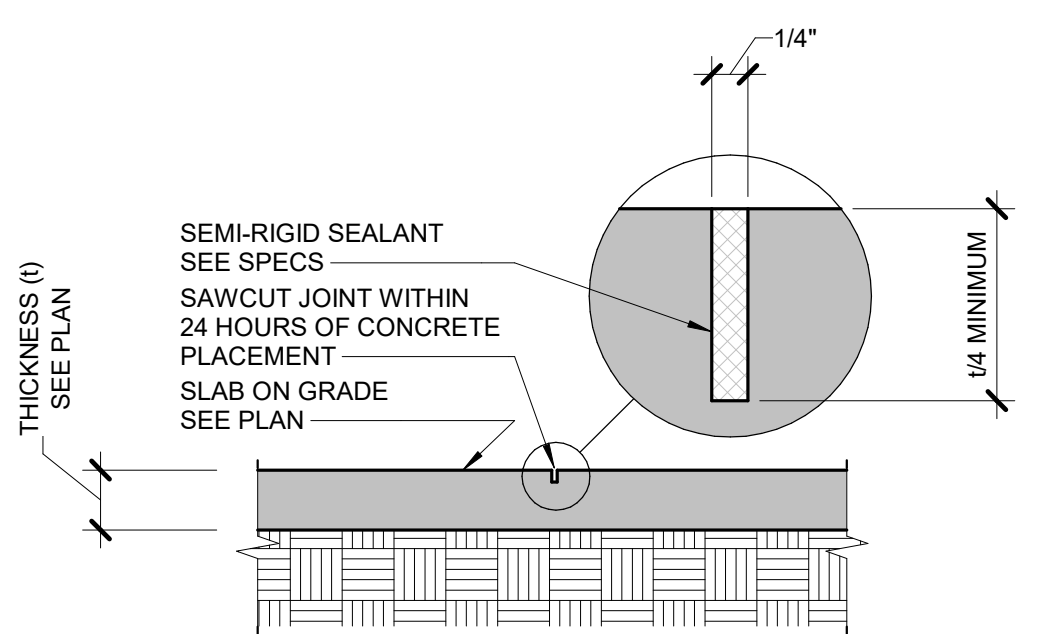
**1 TYPICAL REINFORCING DETAILS**  
3/4" = 1'-0"



**NOTES:**  
1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.  
2. COMPACT ALL FILL MATERIAL TO 95% OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

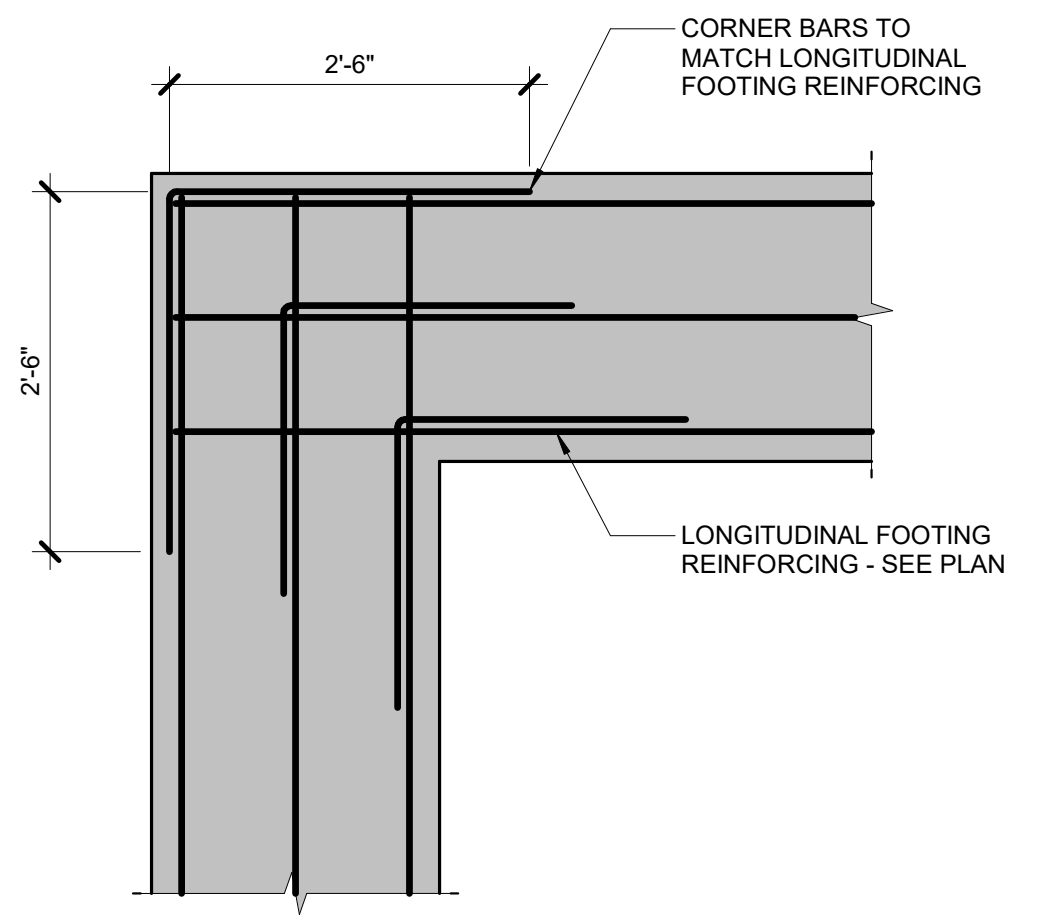
**VAPOR RETARDER TO MEET ASTM E1746, CLASS A, AND BE NOT LESS THAN 16 MILS THICK.**

**2 TYPICAL SLAB SECTION**  
3/4" = 1'-0"

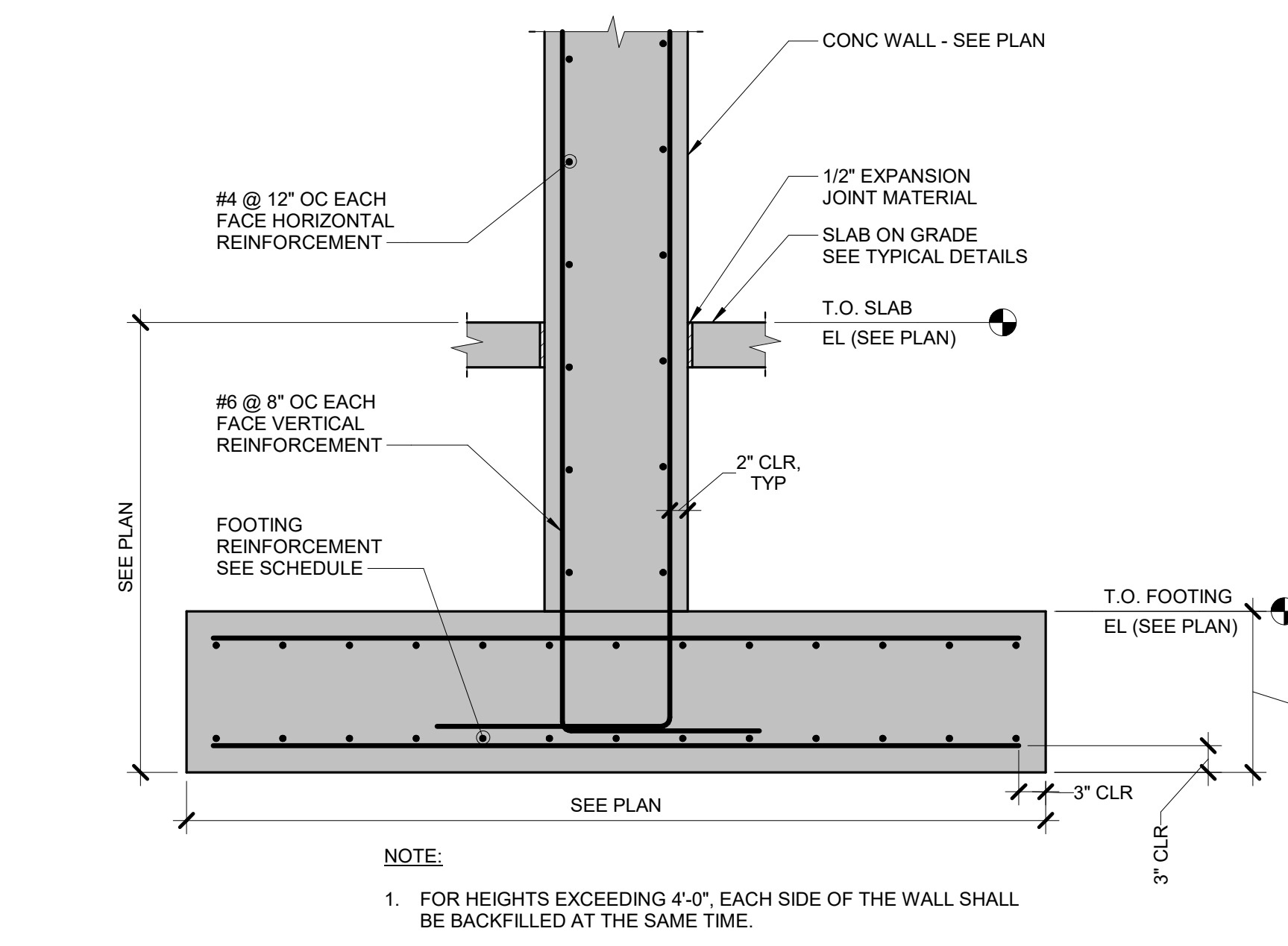


**NOTES:**  
1. SEE CAST-IN-PLACE CONCRETE GENERAL NOTES CONCERNING LOCATION OF JOINTS.

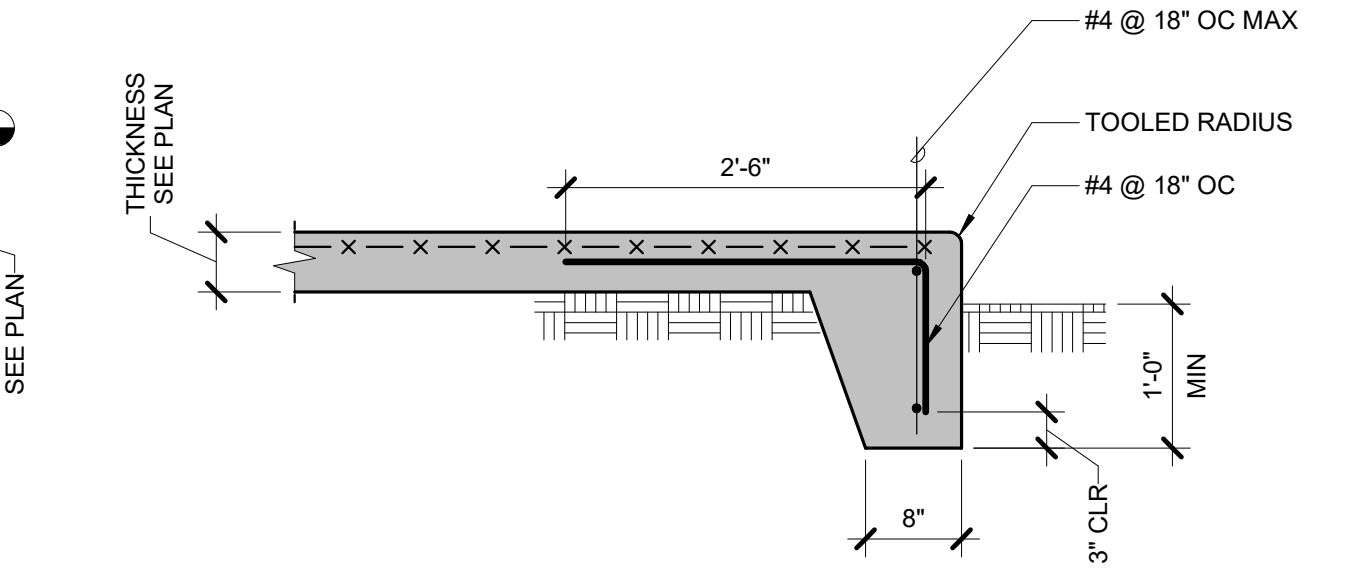
**3 TYPICAL CONTROL JOINT**  
3/4" = 1'-0"



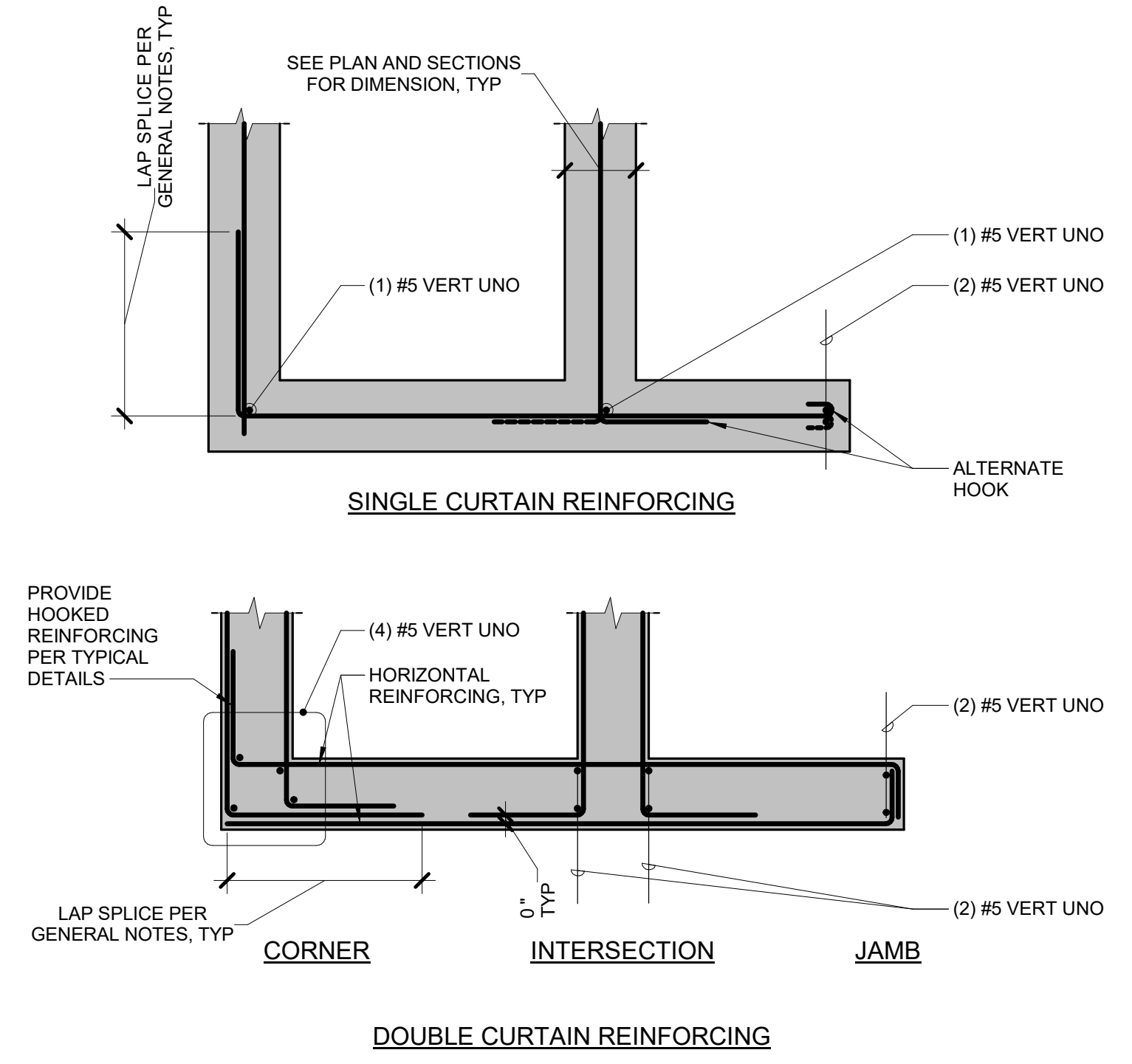
**4 FOOTING CORNER BARS**  
3/4" = 1'-0"



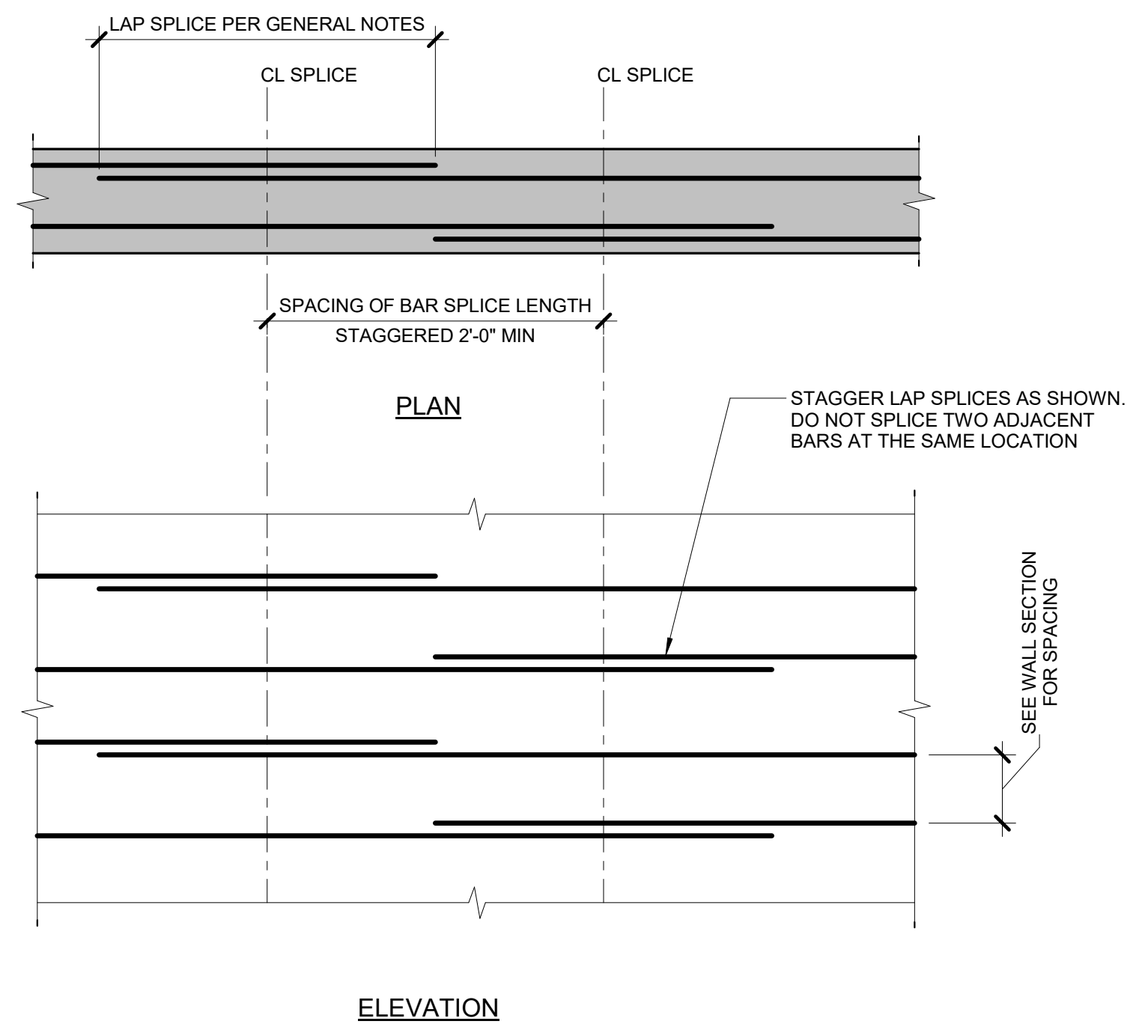
**5 TYPICAL FOUNDATION WALL**  
3/4" = 1'-0"



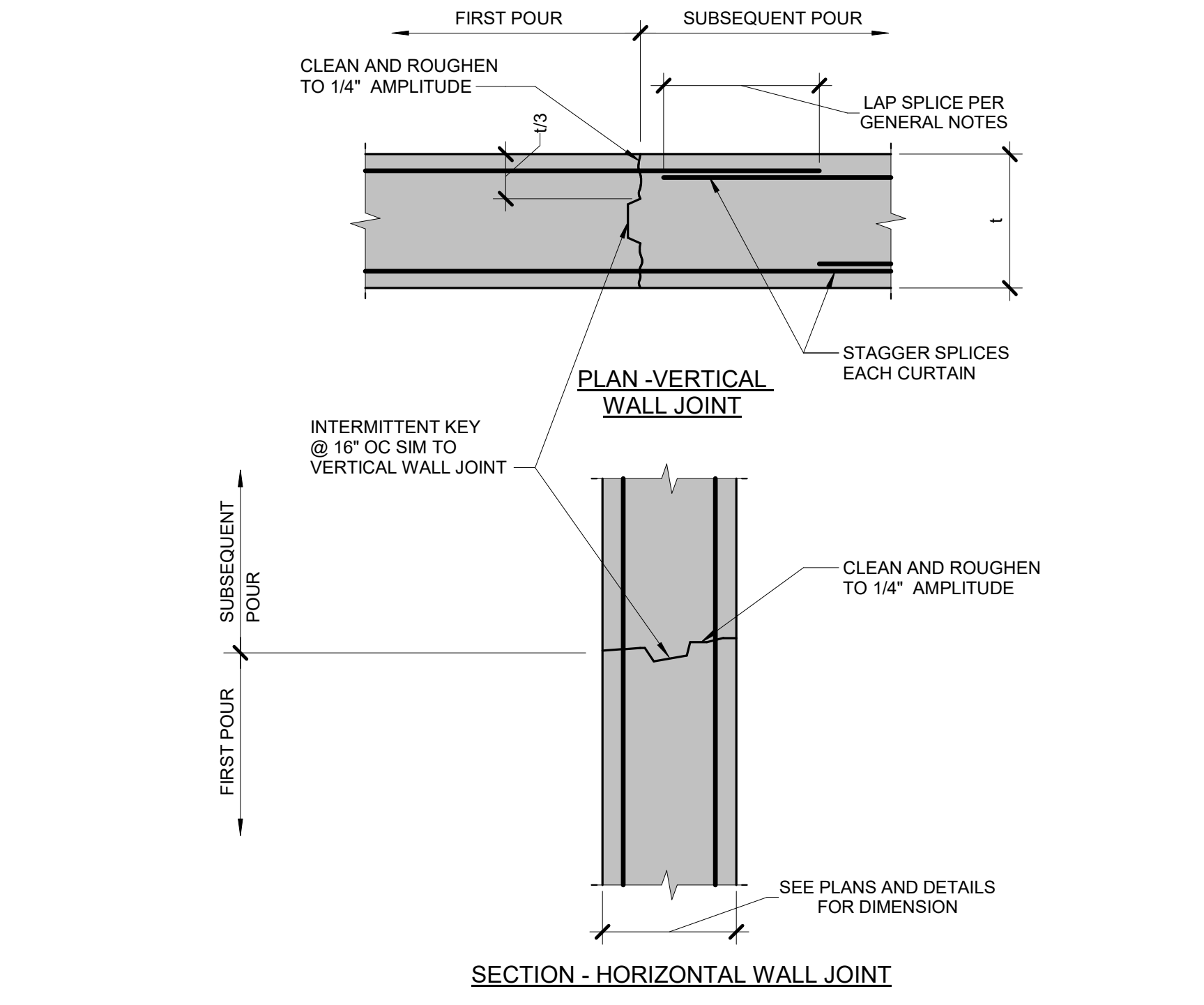
**6 TYPICAL EDGE OF SLAB DETAIL**  
3/4" = 1'-0"



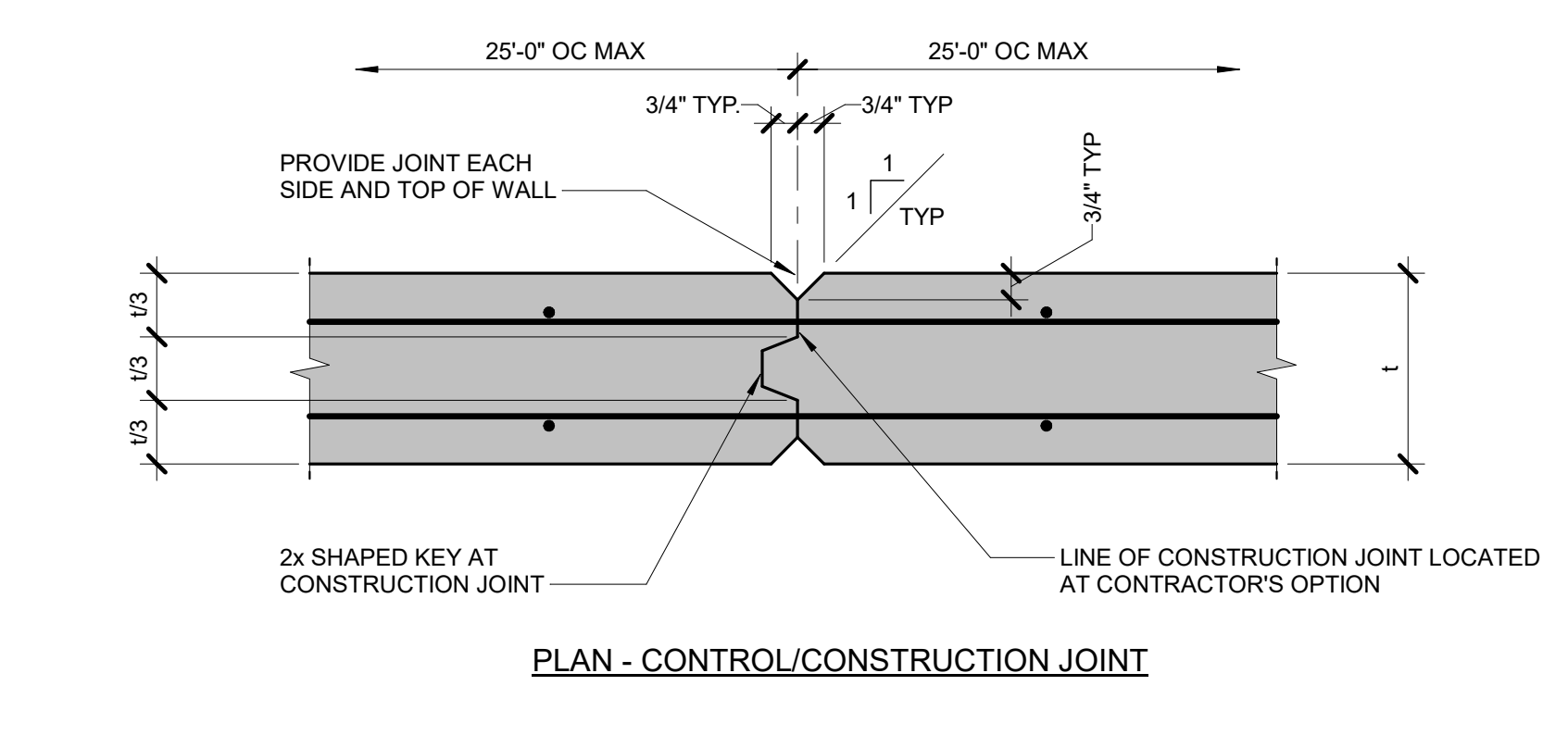
**7 WALL CORNER BAR DETAILS**  
3/4" = 1'-0"



**8 HORIZONTAL WALL BAR SPLICING DETAIL**  
3/4" = 1'-0"



**9 WALL CONSTRUCTION JOINT DETAILS**  
3/4" = 1'-0"



**10 SITE WALL CONSTRUCTION/CONTROL JOINT DETAILS**  
3/4" = 1'-0"



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Proj. Arch./Eng.	R. ALVES



Village of Gurnee Public Works  
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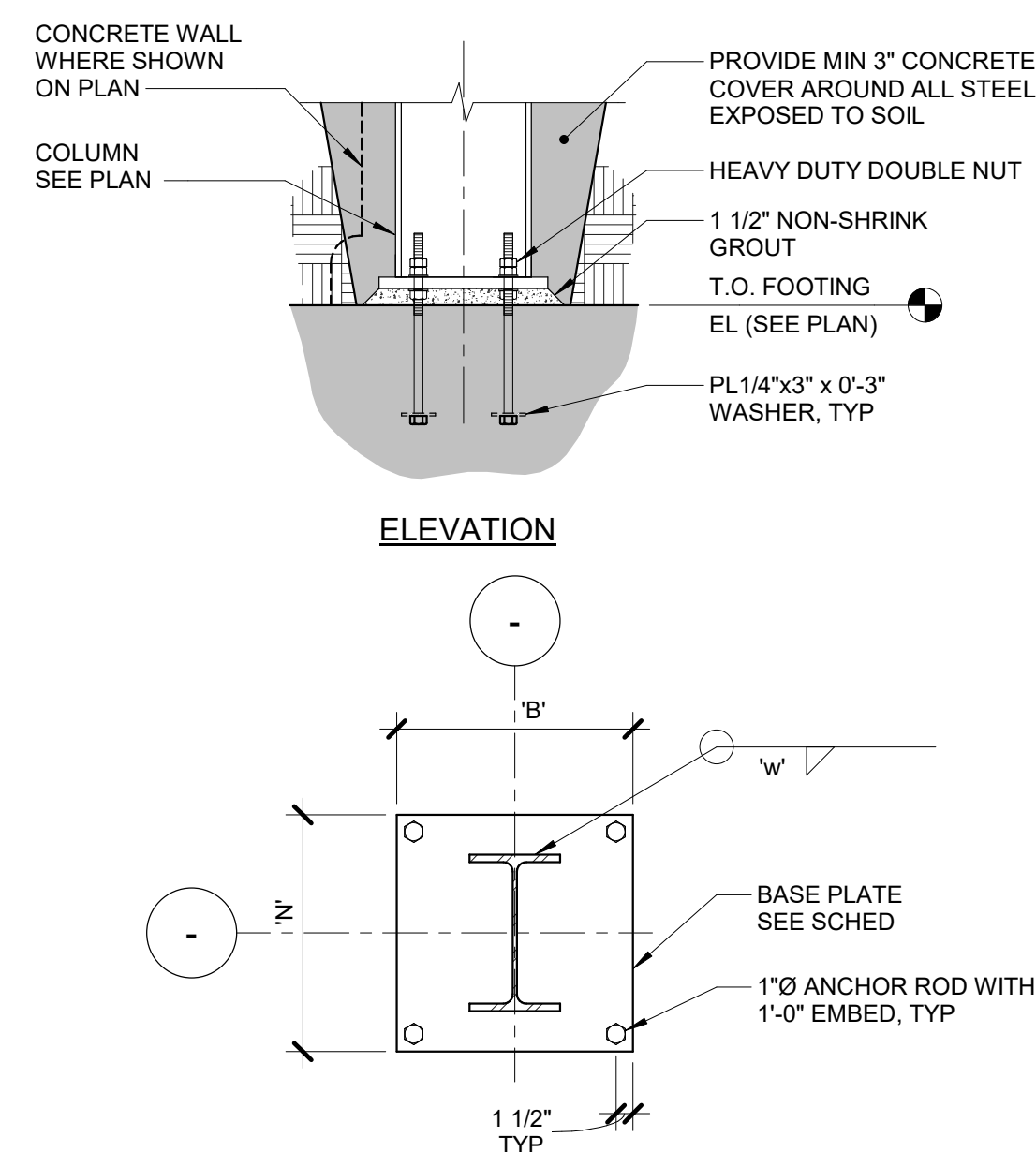
Project Name

CONCRETE DETAILS

Sheet Name

Drawing No. **S2-0**

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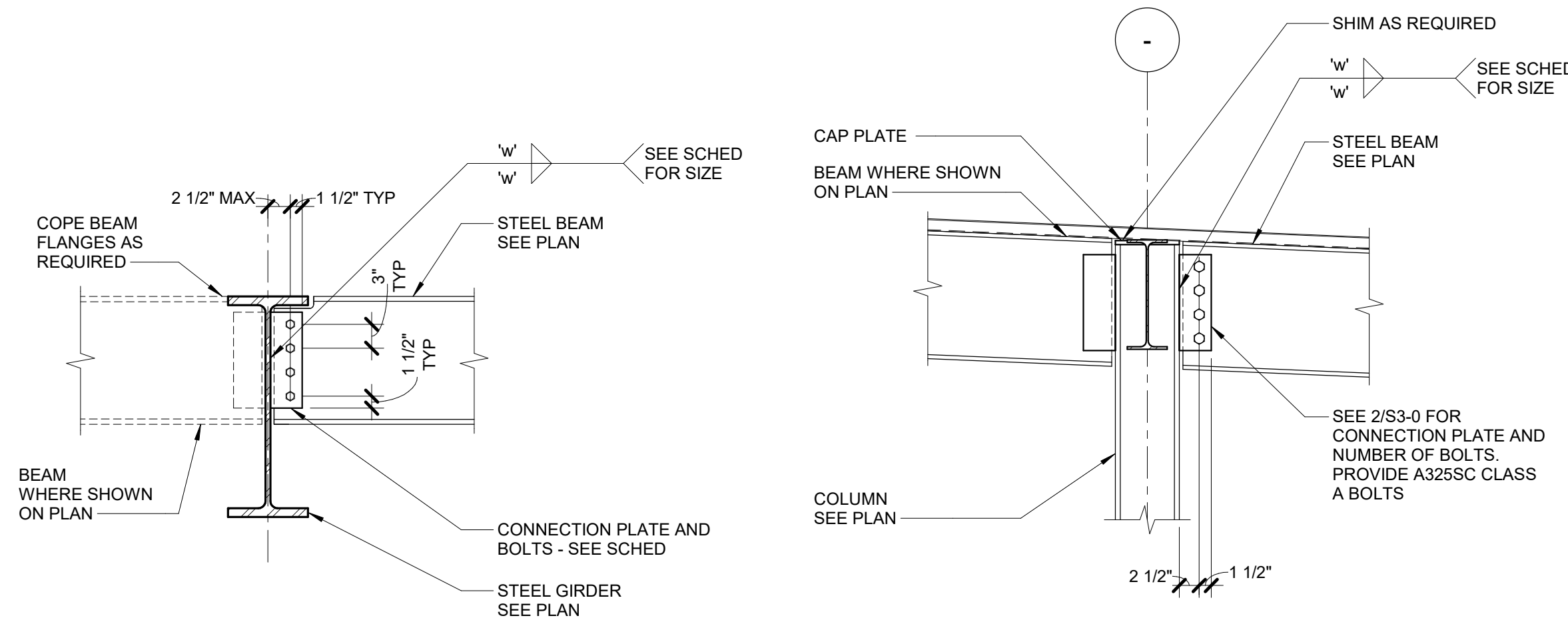
**BASE PLATE SCHEDULE**

COLUMN	PLATE SIZE (WxBxT)	WELD (w)	REMARKS
W8	3/4"x12" x 1-2"	1/4"	-

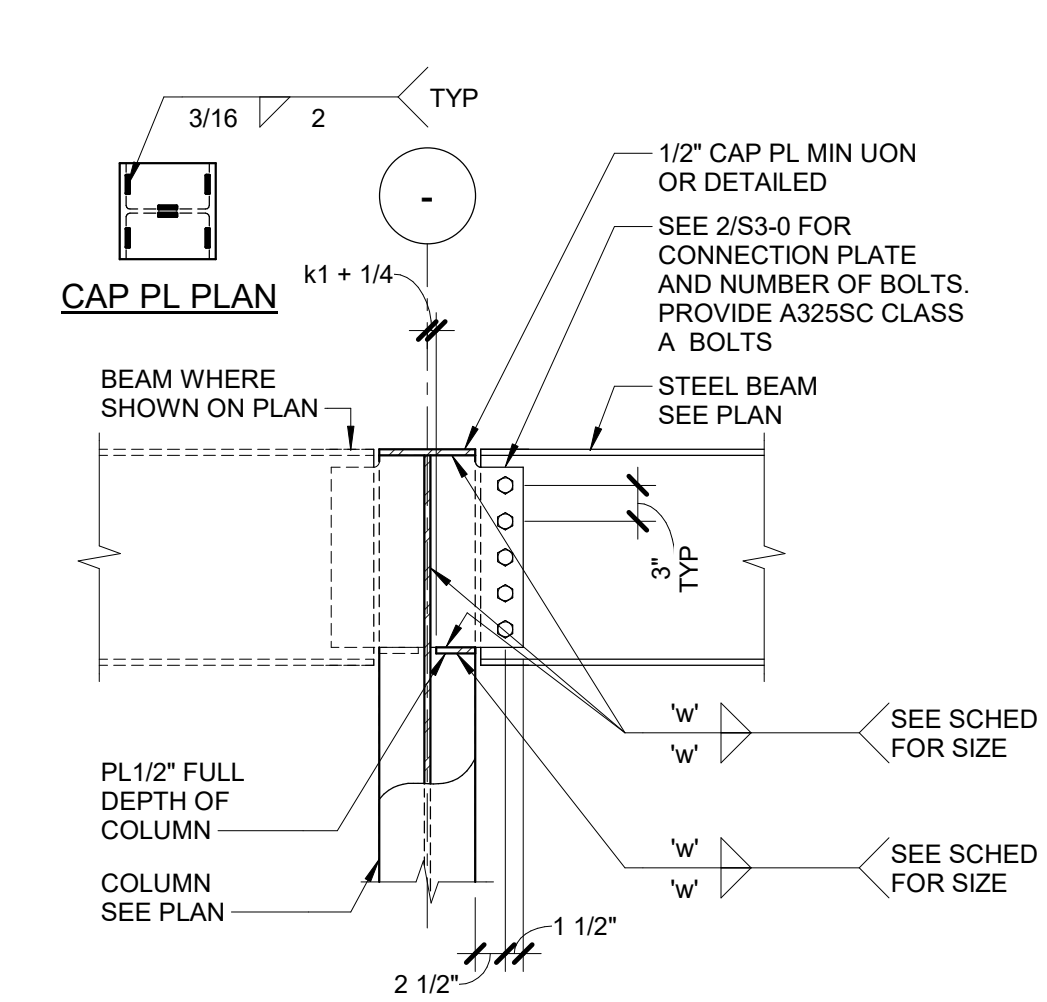
**GRAVITY BEAM CONNECTION SCHEDULE**

BEAM SIZE	NO. OF BOLTS (2) (3)	CONNECTION WITH 3/4"Ø BOLTS		CONNECTION WITH 1"Ø BOLTS		REMARKS
		PL THICK	PL WELD (1)	PL THICK	PL WELD (1)	
W8, W10	2	1/4"	3/16"	5/16"	1/4"	
W12, W14	3	1/4"	3/16"	5/16"	1/4"	
W16	4	5/16"	1/4"	3/8"	1/4"	
W18	5	5/16"	1/4"	3/8"	1/4"	
W21	6	5/16"	1/4"	3/8"	1/4"	

- NOTES:
- FILLET WELD SIZE, 'w', SHALL BE AS SHOWN UNLESS A LARGER SIZE IS REQUIRED BY AISC STEEL CONSTRUCTION MANUAL TABLE J2.4.
  - WHERE NUMBER OF BOLTS NOTED IN SCHED CANNOT BE IN A SINGLE ROW, ADD SECOND ROW WITH TWO BOLTS MINIMUM.
  - BOLT SIZE AND QUANTITY SHALL BE TYP FOR ALL CONDITIONS UNLESS DETAILED OTHERWISE.



- NOTE:
- INTERSECTING BEAM NOT SHOWN FOR CLARITY.

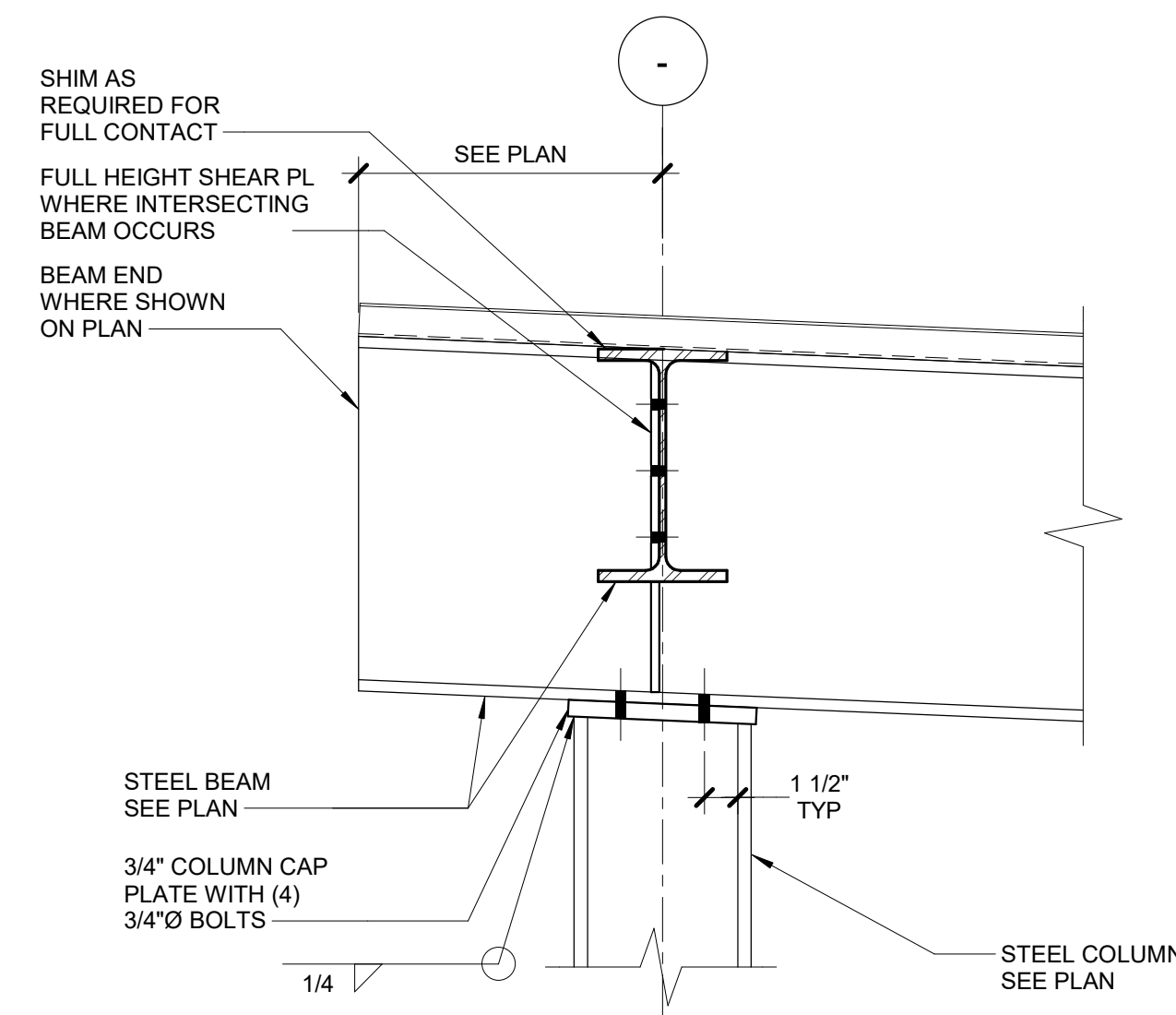


**1 WF COLUMN BASE PLATE DETAILS**  
3/4" = 1'-0"

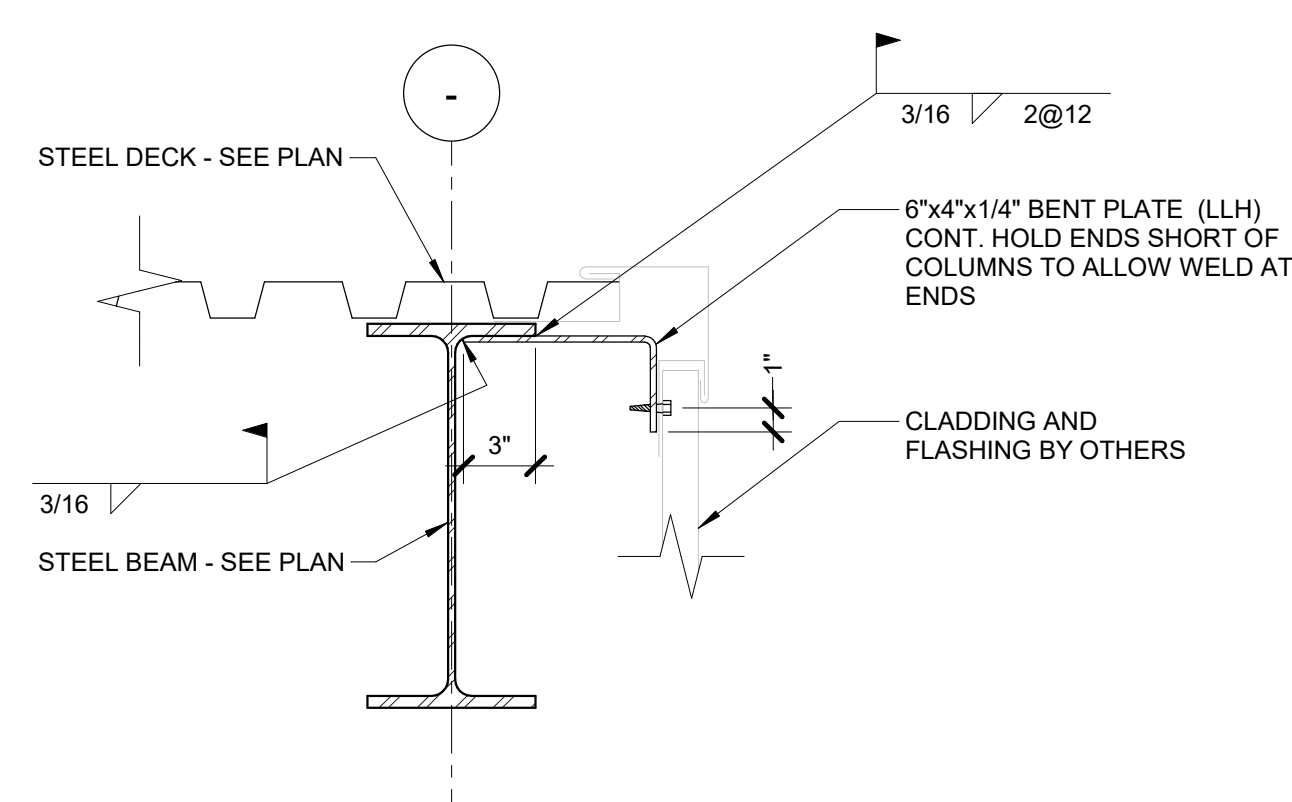
**2 TYPICAL SHEAR CONNECTION TO BEAM**  
3/4" = 1'-0"

**3 TYPICAL SHEAR CONNECTION TO COLUMN FLANGE AT ROOF**  
3/4" = 1'-0"

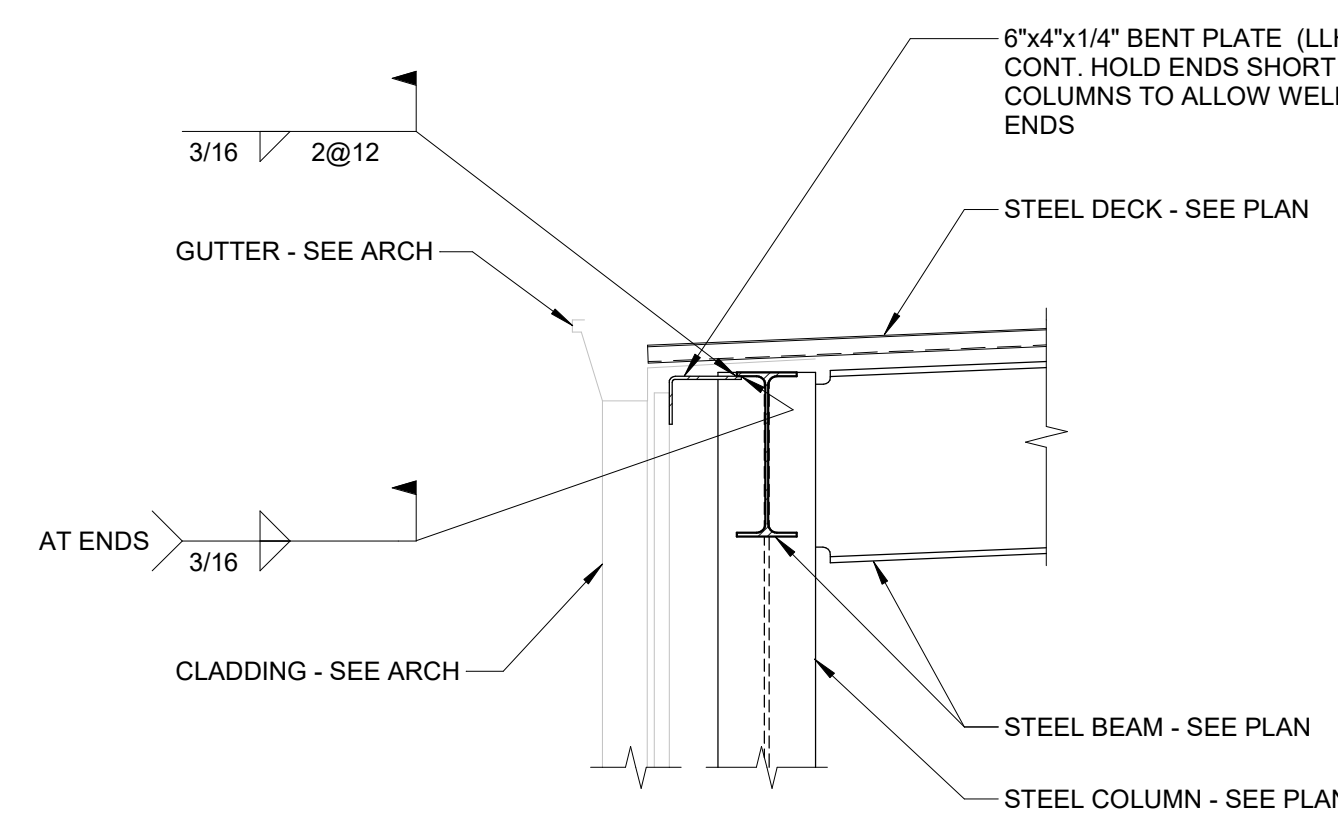
**4 TYPICAL SHEAR CONNECTION TO COLUMN WEB AT ROOF**  
3/4" = 1'-0"



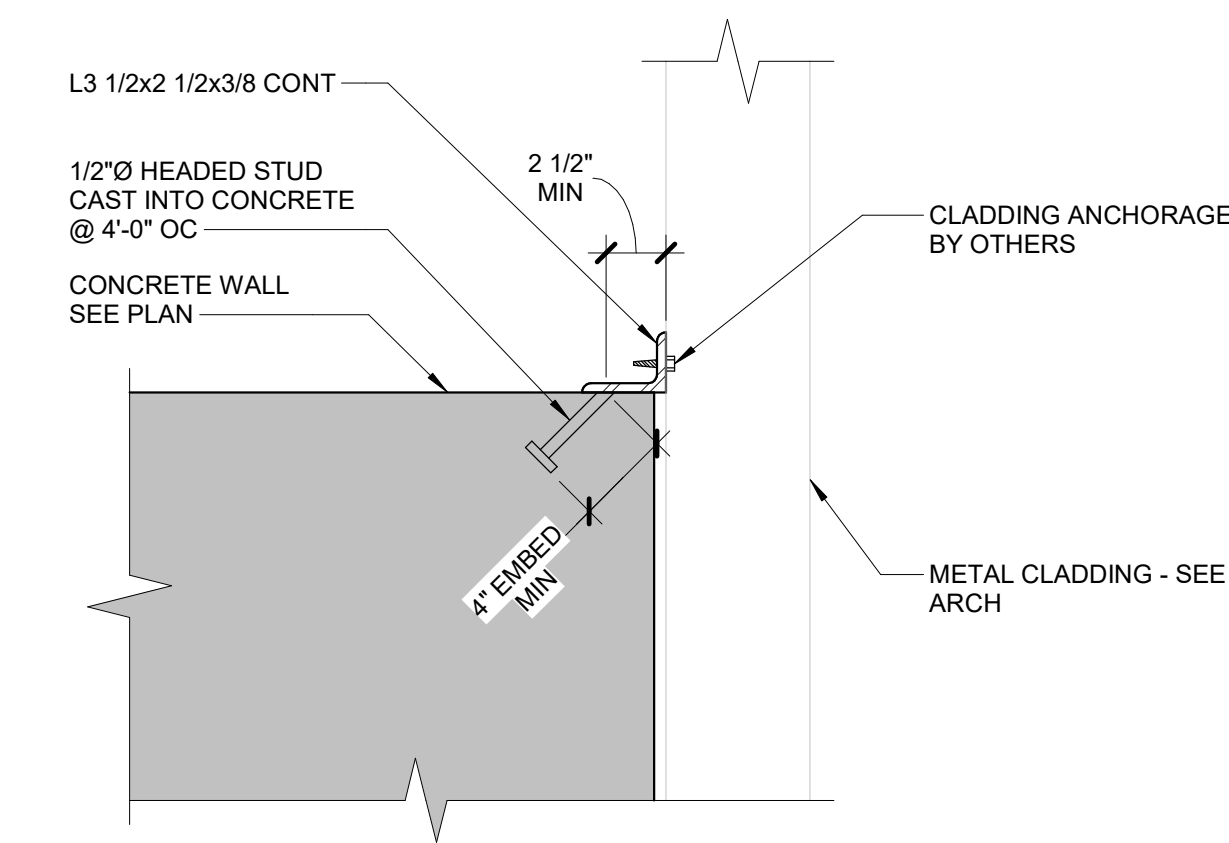
**5 BEAM BEARING ON COLUMN**  
1 1/2" = 1'-0"



**6 CLADDING SUPPORT DETAIL**  
1 1/2" = 1'-0"



**7 CLADDING SUPPORT DETAIL**  
3/4" = 1'-0"



**8 CLADDING ANCHORAGE AT BASE**  
1 1/2" = 1'-0"



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Village of Gurnee Public Works  
Material Bin Reconstruction Project  
1151 Kilbourne Rd, Gurnee, IL 60031

Project Name

STEEL DETAILS

Sheet Name

Drawing No. **S3-0**

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