







(NAD83/2011 ADJ.)  
N.J.S.P.C.S.

**PROJECT SITE**

**LOCATION MAP**  
SCALE: N.T.S.

**RVE**  
1901

**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
WEB ADDRESS: RVE.COM  
Certification of Authorization: 24 GA 28003300  
Excellence • Innovation • Service

DATE: 4-17-2026  
**CHARLES E. ADAMSON**  
NJ PROFESSIONAL LAND SURVEYOR LIC. No. 42627

MAG NAIL (SET)  
N 381808.394  
E 383479.889  
ELEV.= 59.25

BM 1

PIN W/CAP (SET)  
N 381672.740  
E 383512.868  
ELEV.= 59.01

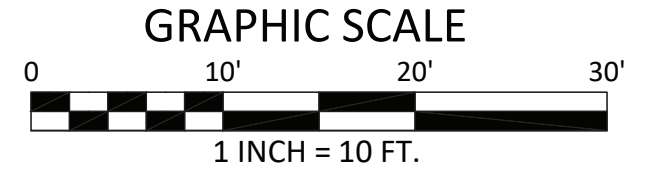
BM 2

**BLOCK 29  
LOT 3**

LANDS N/F  
TOWNSHIP OF EVESHAM  
'INDIAN SPRING COUNTRY CLUB'

TOTAL AREA  
6,628,286± S.F./  
152.165± ACRES

- SURVEY NOTES:**
1. THE HORIZONTAL DATUM IS BASED ON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM (NAD-1983 / 2011 ADJ.) AND THE VERTICAL DATUM IS BASED ON NAVD-1988 / CGVD 2018 (ADD 1.68 FEET TO THESE ELEVATIONS TO CONVERT TO NAVD-1929 DATUM).
  2. EXISTING TOPOGRAPHIC CONDITIONS WERE SURVEYED BY REMINGTON & VERNICK ENGINEERS UNDER THE SUPERVISION OF CHARLES E. ADAMSON, N.J.P.L.S. LICENSE NO. 42627. THE SURVEY WORK WAS COMPLETED ON FEBRUARY 18, 2026.
  3. THIS PLAN AND SURVEY DOES NOT CERTIFY TO THE LOCATION, BOTH HORIZONTAL AND VERTICAL OF ANY UNDERGROUND UTILITY OR STRUCTURE THAT WAS NOT EXPOSED FOR DIRECT MEASUREMENT.



**PLAN**  
SCALE: 1" = 10'

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

No.	REVISION	DATE	BY	CHK

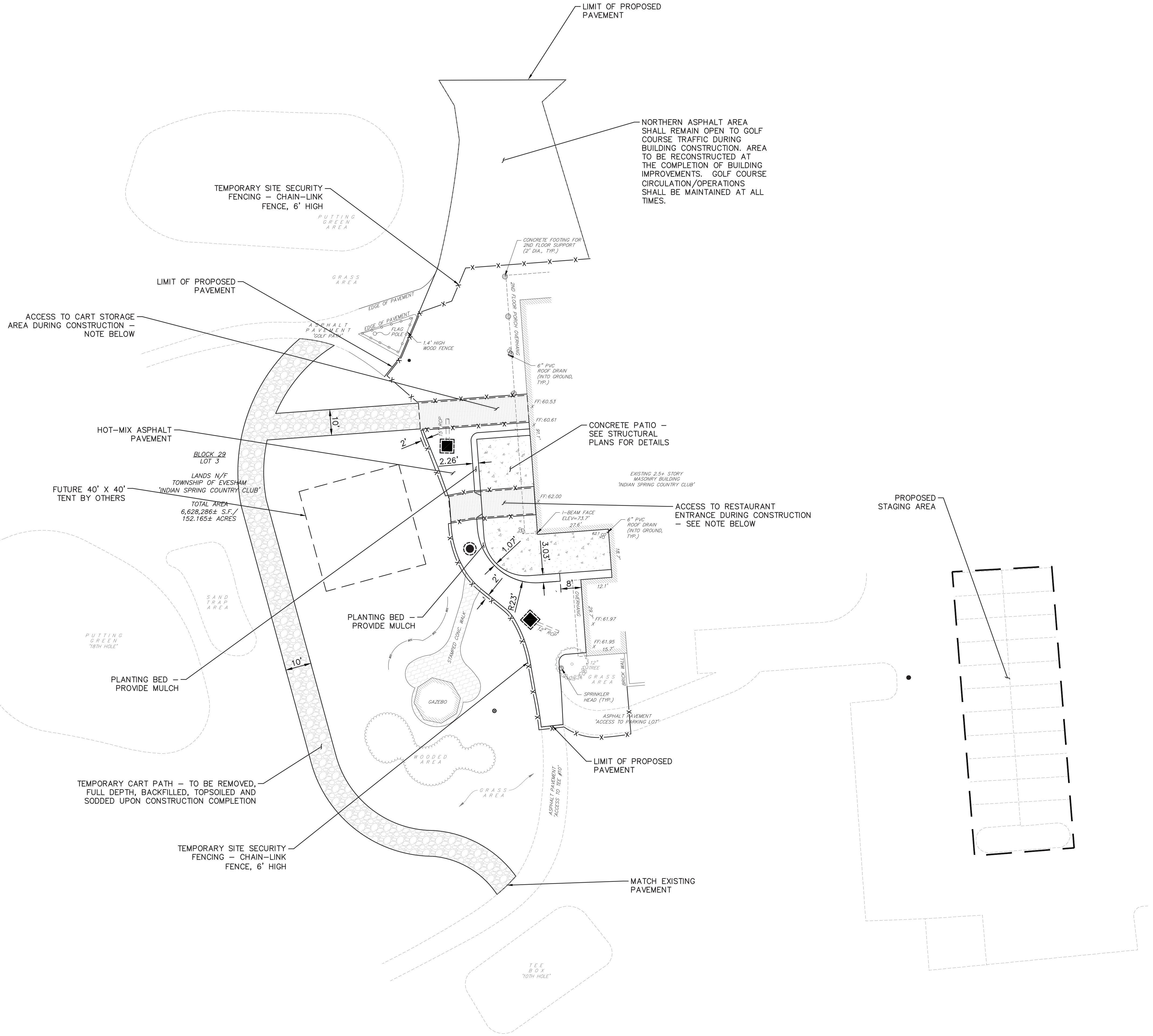
**EXISTING TOPOGRAPHIC CONDITIONS PLAN**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
EVESHAM TOWNSHIP  
BURLINGTON COUNTY  
NEW JERSEY

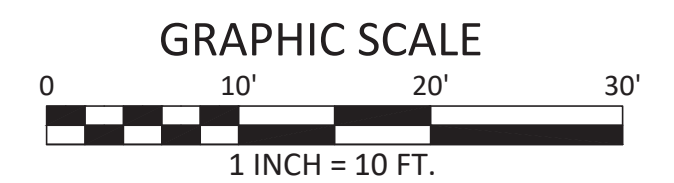
DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
JS	JS	CEA	AS NOTED
DATE:	SHEET No.:		
FEBRUARY 18, 2026	C-2.1		
JOB No.:	03131287		







**PLAN**  
SCALE: 1" = 20'



NOTE: ACCESS TO CART STORAGE AREA AND RESTAURANT DURING CONSTRUCTION SHALL CONSIST A COVERED SCAFFOLDING SYSTEM AS PROVIDED BY AMERICAN SCAFFOLD, CHESAPEAKE, VA, (757) 321-9954, OR APPROVED EQUAL. AMERICAN SCAFFOLD WAS USED AS BASIS OF DESIGN (QUOTE #13792).



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DATE: 4-17-2026  
**TIMOTHY R. STASZEWSKI**  
NJ PROFESSIONAL ENGINEER LIC. No. 47542

DATE: 4-17-2026  
**JESSICA D. HAUBER**  
NJ PROFESSIONAL ENGINEER LIC. No. 51487

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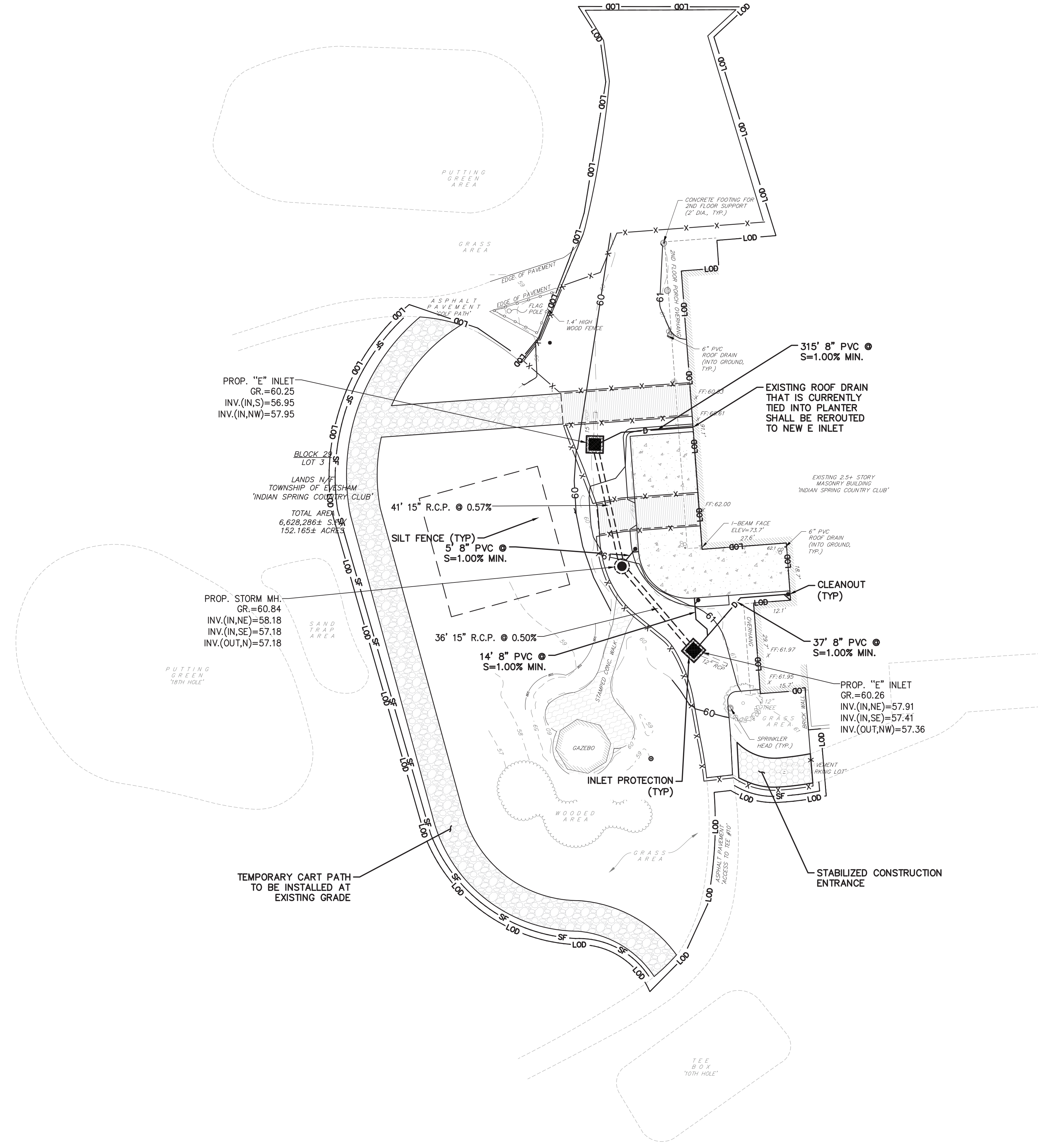
**SITE LAYOUT PLAN**  
EVESHAM TOWNSHIP  
**INDIAN SPRING CLUBHOUSE**  
BALCONY AND CANOPY RENOVATIONS  
BURLINGTON COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
DAH	DAH	JDH	AS NOTED
DATE:	FEBRUARY 18, 2026		
JOB No.:	C-3.1		
03131287			

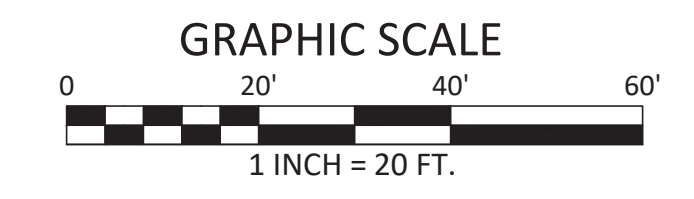


**SOIL EROSION & SEDIMENT CONTROL LEGEND**

- INLET PROTECTION (TYPICAL)
- LIMIT OF DISTURBANCE (TYPICAL)
- SILT FENCE (TYPICAL)
- SILT SOCK (TYPICAL)



**PLAN**  
SCALE: 1" = 20'



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No.	REVISION	DATE	BY	CHK

**EROSION AND SEDIMENT CONTROL PLAN**

EVEESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS

EVEESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
DAH	DAH	JDH	AS NOTED
DATE:			SHEET No.:
FEBRUARY 18, 2026			C-4.1
JOB No.:			
03131287			

**SOIL EROSION AND SEDIMENT CONTROL NOTES**

- ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
- SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THE PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN SIXTY (60) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE STANDARDS. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE STANDARDS.
- ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH IN ACCORDANCE WITH THE STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
- SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. PROPOSED LOCATIONS MUST BE DELINEATED ON THE PLANS.
- A CRUSHED STONE TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE RIP RAP PAD MUST BE 100 FEET IN LENGTH AND THE STONE MUST BE 1.5" - 4" IN SIZE, PLACED 12" THICK AND THE FULL WIDTH OF THE ENTRANCE. IT SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC FILTER FABRIC AND MAINTAINED. THE STRUCTURE MUST BE DELINEATED AND DETAILED ON THE PLANS.
- IF A STONE CONSTRUCTION ACCESS IS TO BE USED AS AN EXIT ONTO A MAJOR HIGHWAY, A THIRTY (30) FOOT PAVED TRANSITION AREA SHALL BE INSTALLED.
- ALL DRIVEWAYS MUST BE STABILIZED WITH 2 1/2" CRUSHED STONE OR SUB BASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- ALL CATCH BASIN INLETS WILL BE PROTECTED DURING CONSTRUCTION (FILTER DETAILS APPEAR ON PLAN).
- ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A DEDICATED FILTRATION DEVICE. THE SEDIMENT FILTER MUST BE PLACED SO AS NOT TO CAUSE EROSION OF THE DOWNSTREAM AREA. FIELD PLACEMENT AND USE OF THE STRUCTURE MUST BE APPROVED BY THE DISTRICT EROSION CONTROL INSPECTOR PRIOR TO COMMENCEMENT OF DEWATERING.
- THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY LAND DISTURBANCE.
- SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE MUST BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE BEFORE SEEDING PRIOR TO SEEDING.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION RATES AT THE REQUEST OF THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT.
- NJSA 4:24-39, ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. THE SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- NJSA 4:24-39, ET SEQ. REQUIRES THAT UPON PERMANENT SITE STABILIZATION AND COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL APPLY TO THE SCD INSPECTOR FOR A FINAL COMPLIANCE INSPECTION TO CHECK THAT ALL THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES.
- OFF SITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE DISTRICT EROSION CONTROL INSPECTOR.
- A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
- ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ALL SUBSEQUENT OWNERS.
- IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING TOPSOIL, THE STOCKPILE SHALL BE SEEDED WITH TEMPORARY VEGETATION. STABILIZE TOPSOIL STOCKPILES WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE ESTABLISHMENT OF TEMPORARY SEED.
- ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE BURLINGTON COUNTY SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
- MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1.
- THE DISTRICT EROSION CONTROL INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO BE INSTALLED.
- IMMEDIATELY PRIOR TO TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING. SEE DETAILS.
- NJSA 4:24-39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE COMPLETION OF A SOIL COMPACTION MITIGATION VERIFICATION FORM AND CONFIRMATION BY THE DISTRICT INSPECTOR THAT THE COMPACTION MITIGATION REQUIREMENTS IN THE STANDARD FOR LAND GRADING HAVE BEEN SUFFICIENTLY ADDRESSED.
- THE RESPONSIBILITY FOR EROSION CONTROLS FOR INDIVIDUAL LOTS WILL TRANSFER TO SUBSEQUENT OWNERS OF THE LOT. THIS RESPONSIBILITY WILL BE DESCRIBED IN THE DEED, AND A SINGLE FAMILY HOME PLAN CONTAINING ALL NECESSARY EROSION CONTROLS WILL BE PROVIDED TO THE OWNER.
- CONCRETE TRUCK WASHOUT AREAS WILL BE MAINTAINED ON A CONTINUAL BASIS AND AS NEEDED.
- THE STORMWATER POLLUTION PREVENTION PLAN AND THE SPILL RESPONSE PLAN SHALL BE AVAILABLE ON SITE FOR REVIEW BY THE SCD INSPECTOR AND/OR THE NJDEP INSPECTOR.
- THE SCD INSPECTOR OR NJDEP INSPECTOR MAY REQUIRE ADDITIONAL MEASURES FOR STORMWATER POLLUTION PREVENTION TO BE INSTALLED.
- ALL STORMWATER POLLUTION PREVENTION PLAN MEASURES WILL BE CONDUCTED AND DOCUMENTED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
- WASTE COLLECTION CONTAINERS WILL NOT BE PERMITTED TO OVERFLOW.
- ANY SPILLS OF HAZARDOUS OR SANITARY WASTES WILL BE CLEANED UP IMMEDIATELY, AND IN ACCORDANCE WITH THE SPILL RESPONSE PLAN. SPILL KITS MUST BE AVAILABLE ON-SITE OR ADJACENT TO THE SITE.
- ANY HAZARDOUS WASTES RELEASES IN EXCESS OF REPORTABLE QUANTITIES (RQ) ESTABLISHED UNDER 40 C.F.R. 110, 117 AND 302 THAT OCCUR WITHIN A 24 HOUR PERIOD MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (800 424-8802).

**TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION**
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDED PREPARATION**
  - APPLY LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	lbs./1,000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.

- WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDED IS PREPARED.**
- INSPECT SEEDED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AS ABOVE.**
- SOILS HIGH ON SULFIDES OR HAVING A PH OF 4 OR LESS SHOULD BE MULCHED ONLY.**
- SEEDING**
  - SEE TEMPORARY SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED. SEED SHALL BE INCORPORATED INTO THE SOIL BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4" INCH DEEPER ON COURSE TEXTURED SOIL.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
  - MULCHING - MULCHING IS REQUIRED ON ALL SEEDING.
    - MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE DOUBLE THE LOWER RATE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
    - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS.
    - PEG AND TWINE- DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING- STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER(MULCH ANCHORING TOOL)- A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
    - WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE MAY BE APPLIED BY A HYDROSEEDER. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

THIS SEEDING MIXTURE IS COMPOSED OF A SINGLE SPECIES WHICH GERMINATES QUICKLY IN ORDER TO REDUCE SOIL EROSION UNTIL A PERMANENT VEGETATIVE COVER CAN BE COVER ESTABLISHED. A MIXTURE OF EQUAL QUALITY MAY BE SUBSTITUTED IF APPROVED BY OUR OFFICE.

%	COMMON NAME	BOTANICAL NAME
100%	PERENNIAL RYEGRASS	LOLIUM PERENNE

THE MINIMUM APPLICATION RATE FOR THIS SEEDING MIXTURE SHALL BE FOUR (4) POUNDS/1000 SQUARE FEET OR 160 POUNDS/ACRE.

THE OPTIMAL SEEDING DATES FOR PERENNIAL RYEGRASS FOR CAMDEN COUNTY REGION ARE 2/15 - 4/30 AND 8/15 - 10/30. SUMMER SEEDING SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.

**SPECIAL NOTES**

- TEMPORARY STABILIZATION - ALL EXPOSED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 14 DAYS SHOULD RECEIVE TEMPORARY STABILIZATION. THE TEMPORARY SEEDING MIXTURES SHALL BE ANNUAL RYE GRASS AT A RATE OF 4 POUND PER 1000 SQ. FT. AND LIMED AT A RATE OF 45 LBS. PER 1000 SQ. FT.
  - PERMANENT STABILIZATION - ALL EXPOSED AREAS WHICH ARE TO BE PERMANENTLY VEGETATED SHOULD BE SEEDDED WITHIN 7 DAYS OF FINAL GRADING, ACCORDING TO THE PERMANENT SEEDING SPECIFICATIONS.
- TOTAL AREA OF DISTURBANCE: 0.65 ACRES

**PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

- SITE PREPARATION**
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, MULCH ANCHORING, AND MAINTENANCE.
  - EVALUATE SUBSOIL FOR COMPACTION ACCORDING TO SOIL COMPACTION TESTING REQUIREMENTS AS DESCRIBED ON THIS PLAN SHEET.
  - TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH TOPSOILING REQUIREMENTS AS DESCRIBED ON THIS PLAN SHEET.
  - INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
- SEEDED PREPARATION**
  - APPLY GROUND LIMESTONE AND FERTILIZER. FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN, UNLESS A SOIL TEST INDICATES OTHERWISE, AND INCORPORATED INTO THE SURFACE 4 INCHES. APPLY LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) AS FOLLOWS:

SOIL TEXTURE	TONS/ACRE	lbs./1,000 SQ. FT.
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	4	180
SANDY LOAM, LOAM, SILT LOAM	3	135
LOAMY SAND, SAND	2	90

PULVERIZED DOLOMITIC LIMESTONE IS PREFERRED FOR MOST SOILS SOUTH OF THE NEW BRUNSWICK-TRENTON LINE.

- WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COURSE SANDS SHOULD BE RETILLED TO FIRM THE SEEDED WHEREVER FEASIBLE.**
- REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLOUDS, LUMPS, OR OTHER UNSUITABLE MATERIAL.**
- INSPECT SEEDED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.**
- SEEDING**
  - SEE PERMANENT SEED MIXTURE FOR SPECIES AND APPLICATION RATES.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE(CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. MULCH SHALL NOT BE INCLUDED IN A HYDRO-SEEDER TANK WITH SEED, EXCEPT FOR DRILLED, HYDROSEEDER OR CULTIPACKED SEEDING. SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COURSE TEXTURED SOIL.
  - AFTER SEEDING, FIRING THE SOIL SHALL BE PERFORMED WITH A CORRUGATED ROLLER TO ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDING EMERGENCE.
  - MULCHING - MULCHING IS REQUIRED ON ALL SEEDING.
    - STRAW OR HAY. MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY, AND SHALL BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION MUST BE 3 TONS PER ACRE (70 POUNDS PER 1,000 SQUARE FEET). MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MATERIAL.
    - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
  - MULCH ANCHORING SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS.
    - PEG AND TWINE- DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRIS-CROSS AND SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.
    - MULCH NETTING- STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTING TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
    - CRIMPER (MULCH ANCHORING TOOL) - A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED.
    - WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS AND APPLIED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) BY A HYDROSEEDER. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.
- IRRIGATION**
  - IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE PERFORMED IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.
- TOP DRESSING**
  - SPRING SEEDING WILL REQUIRE AN APPLICATION OF FERTILIZER SUCH AS 10-10-10 OR EQUIVALENT AT 400 POUNDS PER ACRE OR 10 POUNDS PER 1,000 SQUARE FEET BETWEEN SEPTEMBER 1 AND OCTOBER 15.
  - FALL SEEDING WILL REQUIRE THE ABOVE BETWEEN MARCH 15 AND MAY 1.
  - MIXTURES DOMINATED BY WEEPING LOVEGRASS OR LEGUMES MAY NOT NEED TOPDRESSING.
- ESTABLISHMENT OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARATION OF SEEDED, APPLICATION OF NUTRIENTS, MULCH AND OTHER MANAGEMENT STRATEGIES ARE ESSENTIAL. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED SPECIES) AND MOWED ONCE. THE DESIGNATION OF "MOWED ONCE" DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS BE NEGLECTED OR OTHERWISE MISMANAGED.**

**PERMANENT VEGETATIVE MIXTURES AND PLANTING RATES**

KIND OF SEED	MINIMUM PURITY (%)	MINIMUM GERMINATION (%)	PERCENT OF TOTAL OF MIXTURE WEIGHT
TALL FESCUE	95	80	90
KENTUCKY BLUEGRASS	85	75	10

- RECOMMENDED SEEDING PERIODS ARE 3/15 TO 5/31 AND 8/15 TO 10/30.
- SUMMER SEEDING, 6/1 TO 8/14, SHALL BE PERFORMED ONLY IF ADEQUATE IRRIGATION IS PROVIDED TO ENSURE SUCCESSFUL GERMINATION.
- THE CONTRACTOR SHALL PLANT THE SEED AT A RATE OF TWENTY (20) POUNDS PER ACRE.

**SEQUENCE OF CONSTRUCTION**

CONSTRUCTION WILL PROCEED IN THE FOLLOWING MANNER:	DURATION, WEEKS
INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE AT LIMITS OF DISTURBANCE.	1
CLEAR CONSTRUCTION AREAS, INSTALL TEMPORARY CART PATH, STORMWATER SYSTEM COMPONENTS, INSTALL SEDIMENT PROTECTION AT INLETS IMMEDIATELY AFTER INSTALLATION.	2-3
DEMOLISH ALL SITE COMPONENTS AS SHOWN ON THE PLANS.	4
CONSTRUCT BUILDING IMPROVEMENTS.	5-8
CONSTRUCT PERMANENT CART PATH.	UPON BUILDING COMPLETION
REMOVE SOIL EROSION CONTROLS.	UPON FULL SITE STABILIZATION

**STANDARD FOR TOPSOILING**

- MATERIALS**
  - TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER, MORE THAN 0.5 MILLIMHOS MAY DESICCATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). TOPSOIL HAULED IN FROM OFFSITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
  - TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
- STRIPPING AND STOCKPILING**
  - FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
  - STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
  - WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDED PREPARATION FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION, PG. 4-1.
  - A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
  - STACKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
  - STACKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN; SEE STANDARDS FOR PERMANENT (PG. 4-1) OR TEMPORARY (PG.7-1) VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
- SITE PREPARATION**
  - GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE. TIME IS OF THE ESSENCE.
  - GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING. SEE THE STANDARD FOR LAND GRADING, PG. 19-1.
  - AS GUIDANCE FOR IDEAL CONDITIONS, SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
  - PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING, PAGE 19-1.
  - EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
- APPLYING TOPSOIL**
  - TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E., LESS THAN FIELD CAPACITY (SEE GLOSSARY).
  - A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMED IN PLACE IS REQUIRED. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL (PG. 1-1).
  - PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING: SUPPLEMENTAL SEEDING, RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (I.E. COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY Rutgers COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC PROPERTIES.

**DUST CONTROL**

- THE PURPOSE OF DUST CONTROL MEASURES IS TO PREVENT THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-SITE AND OFF-SITE DAMAGE & HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.
  - MULCHES - REVIEW MULCHING NOTES ABOVE.
  - VEGETATIVE COVER - REVIEW NOTES ON TEMPORARY COVER.
  - SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.
  - MATERIAL WATER DILUTION TYPE OF NOZZLE APPLY GALLON/ACRE
 

ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
ADULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200
- TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
- BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**GENERAL NOTES**

- A REPORT OF COMPLIANCE MUST BE OBTAINED FROM THE DISTRICT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY FROM THE MUNICIPALITY. A REQUEST FOR A DISTRICT INSPECTION FOR THE RELEASE OF A REPORT OF COMPLIANCE MUST BE MADE 5 WORKING DAYS IN ADVANCE. THIS APPLIES TO BOTH COMPLETE (FINAL) AND CONDITIONAL (TEMPORARY) CERTIFICATES. ALL STREETS AND UNITS MUST BE PROPERLY IDENTIFIED. A REPORT OF COMPLIANCE WILL NOT BE RELEASED FOR A UNIT IF IT CAN NOT BE IDENTIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BEHIND STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED OR TRACKED OFF THE PROJECT SITE. ALL PAVED/RIGHT-OF-WAYS ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SWEEP CONDITION THROUGHOUT CONSTRUCTION.

DATE: 4-17-2026  
**TIMOTHY R. STASZEWSKI**  
 NJ PROFESSIONAL ENGINEER LIC. NO. 47542

DATE: 4-17-2026  
**JESSICA D. HAUBER**  
 NJ PROFESSIONAL ENGINEER LIC. NO. 51487

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

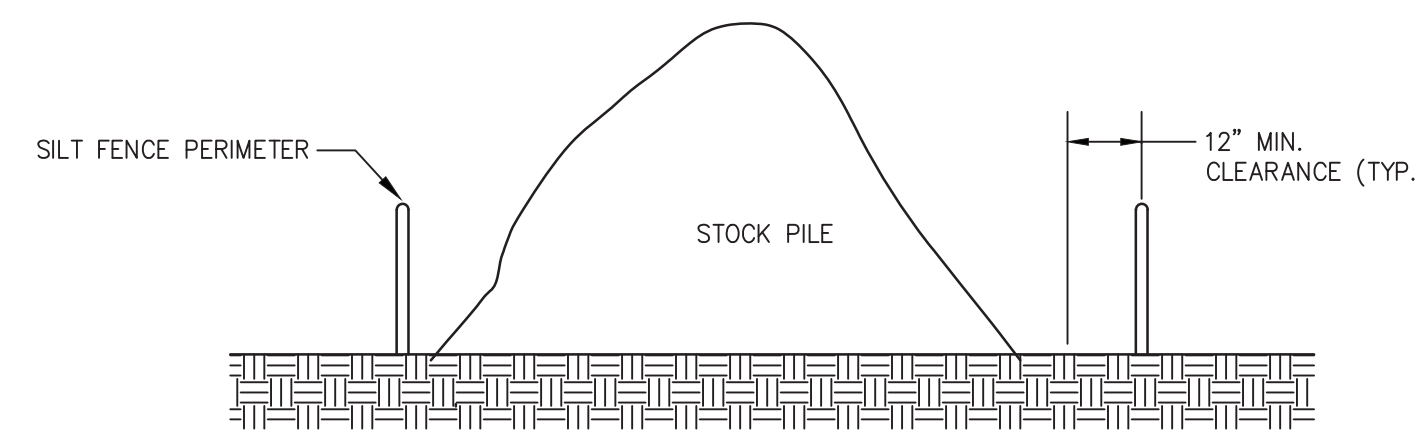
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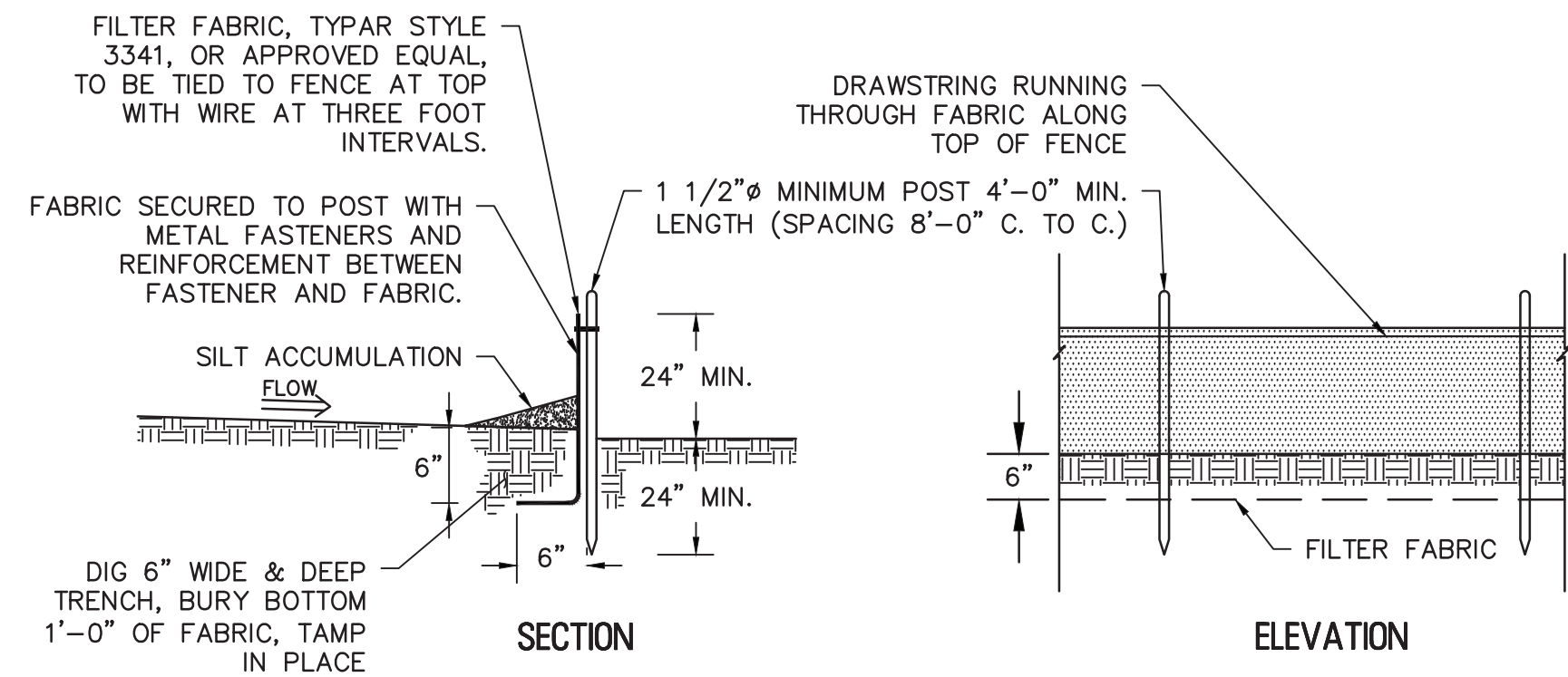
**EROSION AND SEDIMENT CONTROL NOTES**

EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 BURLINGTON COUNTY  
 NEW JERSEY

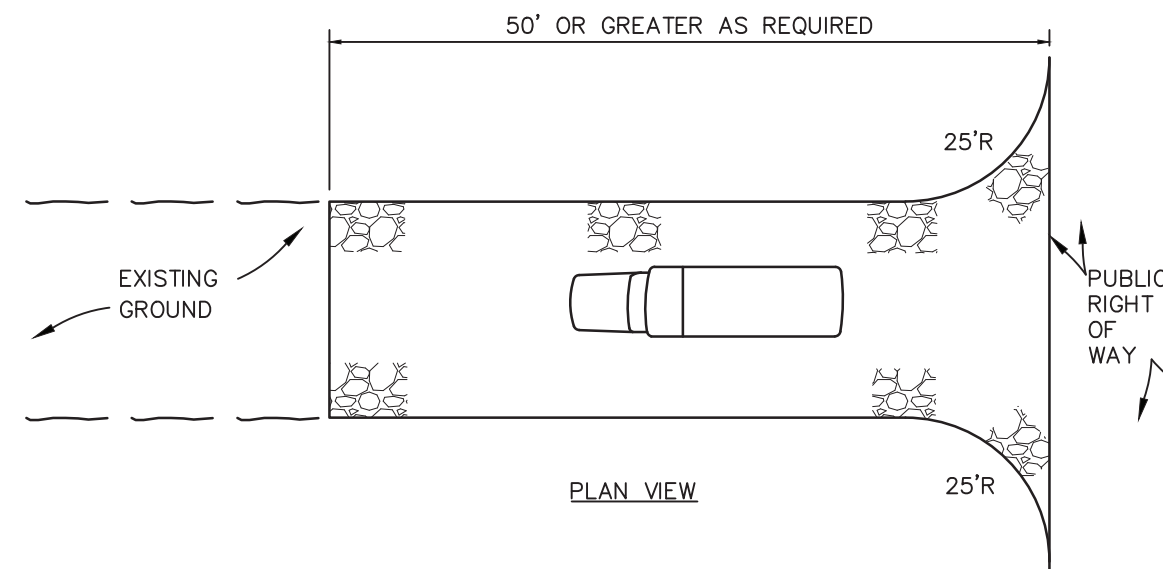
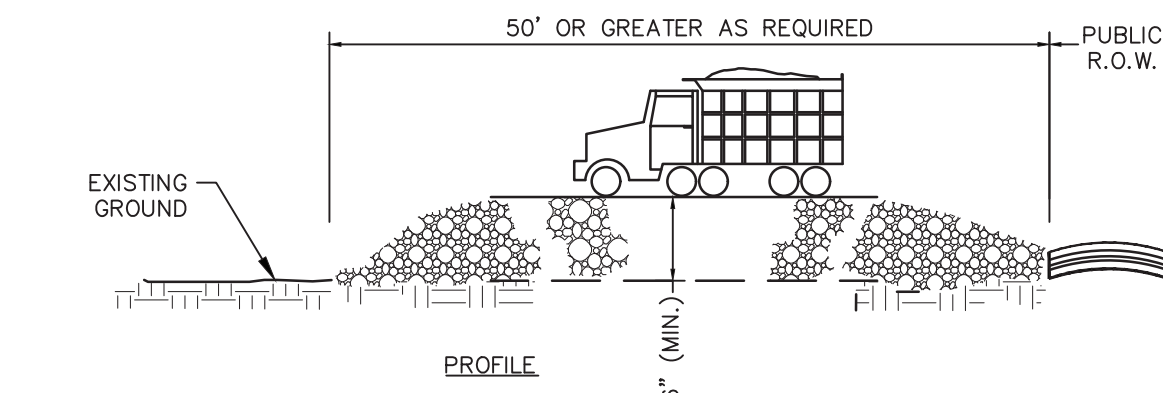
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DATE:			
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**SOIL STOCKPILE DETAIL**  
N.T.S.

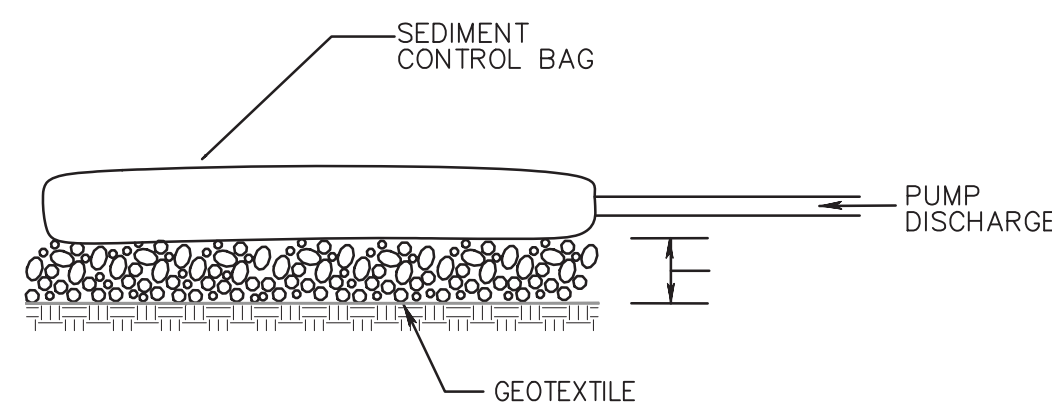


**SILT FENCE DETAIL**  
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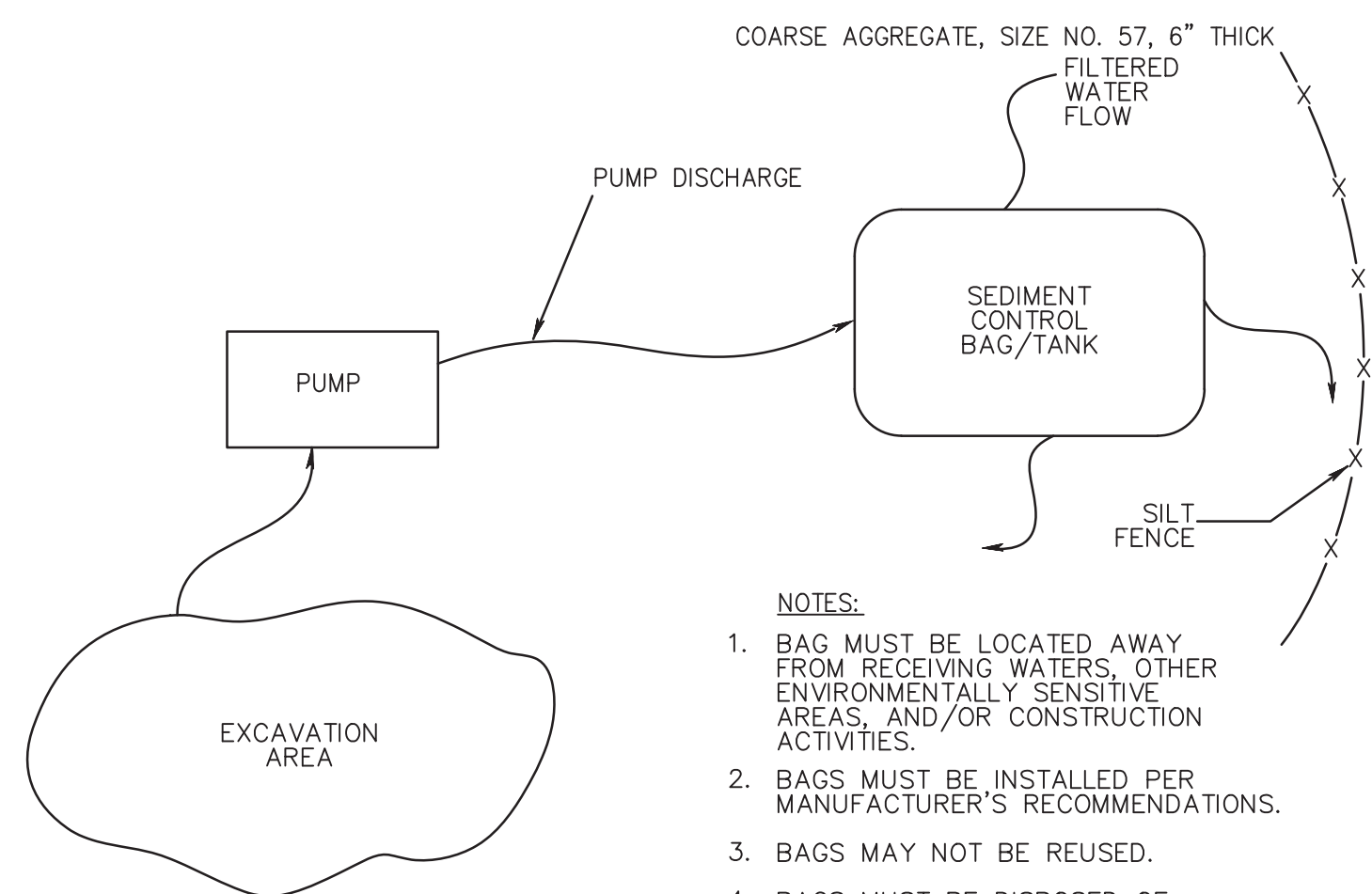


- NOTES:**
1. STONE SIZE: ASTM-C33 SIZE NO.: 2 (2 1/2" TO 1 1/2") OR 3 (2" TO 1")
  2. THICKNESS: NOT LESS THAN 6"
  3. WIDTH: NOT LESS THAN FULL WIDTH OF INGRESS OR EGRESS
  4. LENGTH: 50' MIN (COURSE GRAINED SANDS OR GRAVEL)  
100' MIN (FINE GRAINED CLAYS OR SILTS)
  5. SUBSURFACE DRAINAGE GRAVEL FILTER OR GEOTEXTILE SHALL BE INSTALLED BEFORE INSTALLING STABILIZED CONSTRUCTION ENTRANCE.  
- MIRAFI 160N OR APPROVED EQUAL FOR SANDY OR GRAVEL SUBBASE  
- HP270 OR APPROVED EQUAL FOR SILTY OR CLAY SUBBASE
  6. WHERE THE SLOPE OF ACCESS ROAD EXCEEDS 5%, A STABILIZED BASE OF HOT MIX ASPHALT BASE COURSE, MIX 1-2 SHALL BE INSTALLED.
  7. ADDITIONAL LENGTH OR TOP DRESSING MAY BE REQUIRED BY THE DISTRICT AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
  8. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC R.O.W.

**STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S.

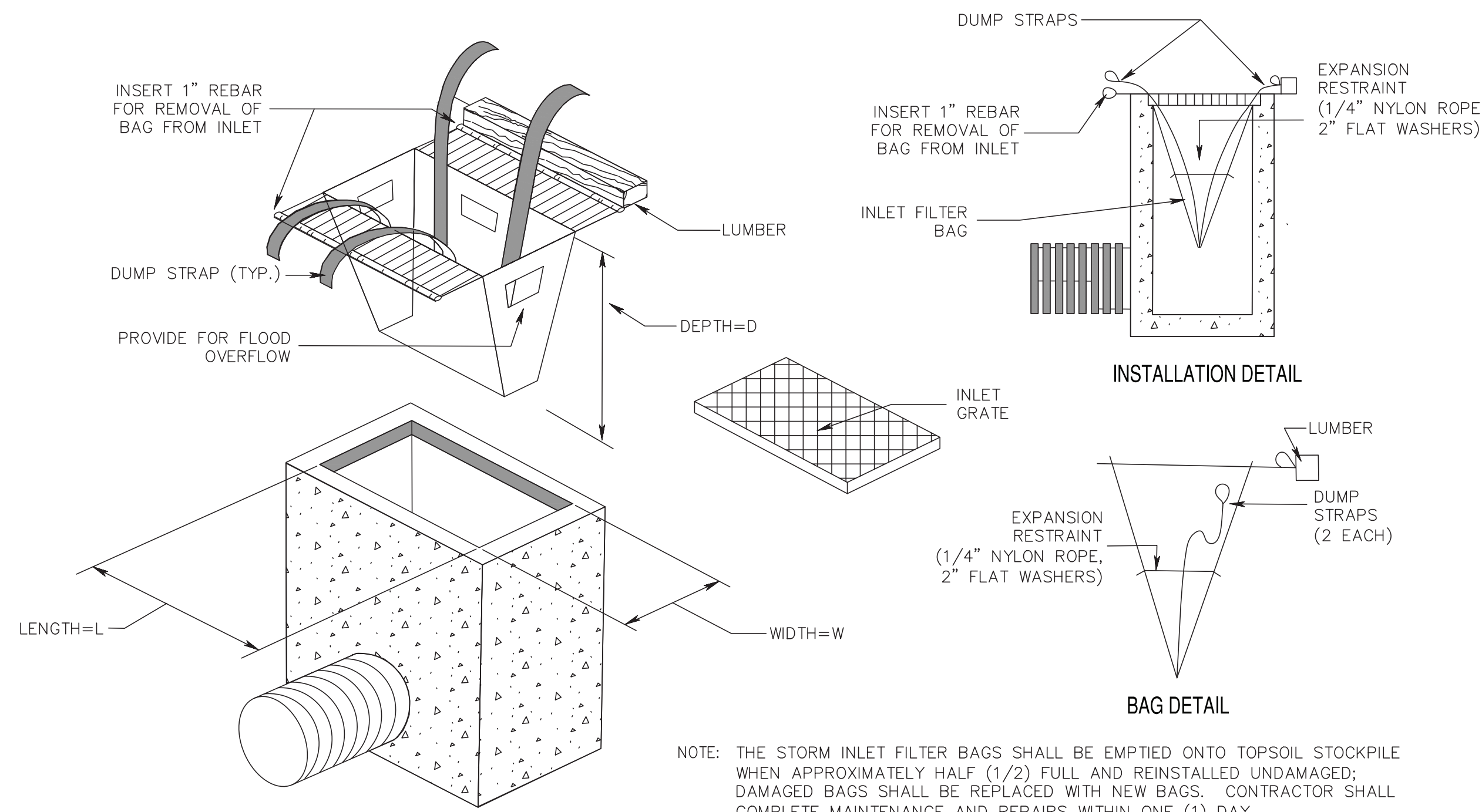


**ELEVATION- SEDIMENT CONTROL BAG**



**PLAN VIEW**  
**SEDIMENT CONTROL BAG FOR DEWATERING**  
N.T.S.

- NOTES:**
1. BAG MUST BE LOCATED AWAY FROM RECEIVING WATERS, OTHER ENVIRONMENTALLY SENSITIVE AREAS, AND/OR CONSTRUCTION ACTIVITIES.
  2. BAGS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
  3. BAGS MAY NOT BE REUSED.
  4. BAGS MUST BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS.



**INLET FILTER, TYPE 2**  
SCALE: N.T.S.

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**REMINGTON & VERNICK ENGINEERS**  
2059 SPRINGDALE ROAD  
CHERRY HILL, NJ 08003  
(856) 795-9595, FAX (856) 795-1882  
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*Excellence • Innovation • Service*

DATE: 4-17-2026  
**TIMOTHY R. STASZEWSKI**  
NJ PROFESSIONAL ENGINEER LIC. No. 47542

*Jessica D. Hauber*  
DATE: 4-17-2026  
**JESSICA D. HAUBER**  
NJ PROFESSIONAL ENGINEER LIC. No. 51487

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No.	REVISION	DATE	BY

**EROSION AND SEDIMENT CONTROL DETAILS**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
BURLINGTON COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
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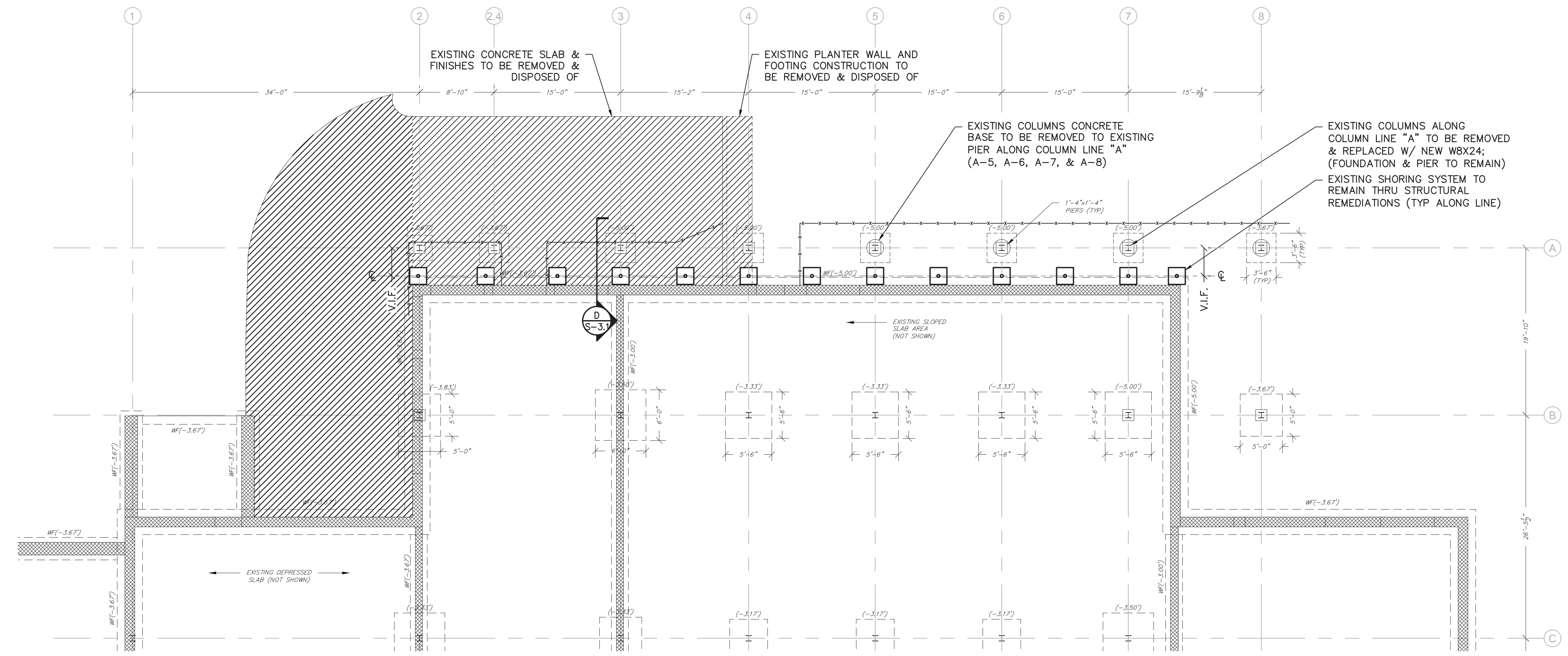
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*Jacqueline D. Trovato*  
 DATE: 04-20-2026  
**JACQUELINE D. TROVATO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 51944

*Christopher M. Keller*  
 DATE: 04-20-2026  
**CHRISTOPHER M. KELLER**  
 NJ PROFESSIONAL ENGINEER LIC. No. 57572

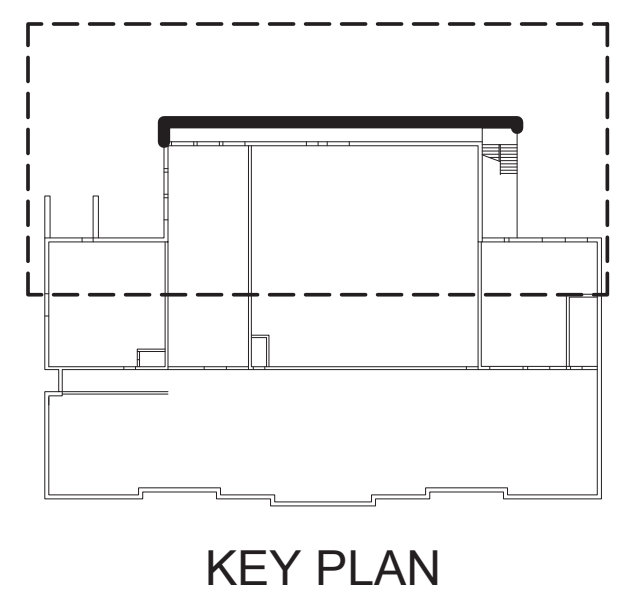
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**EXISTING / DEMOLITION FOUNDATION PLAN (PHASE 1)**  
 SCALE: 1/8"=1'

- NOTES:**
- EXISTING F.F.E. = (0'-0") (U.N.O.).
  - DENOTES EXTENT OF EXISTING CONC SLAB & FINISHES & EXISTING PLANTER WALL / FOOTING TO BE REMOVED. COORDINATE REMOVAL WITH EXISTING SHORING SYSTEM.
  - (-0.00') DENOTES BOTTOM OF EXISTING FTG ELEV REF FROM EXISTING F.F.E.
  - EXISTING ARCHITECTURAL COLUMN COVERS ALREADY REMOVED.
  - EXISTING TEMPORARY FENCING BY DPW SHOWN. DPW TO REMOVE AFTER INSTALL OF NEW TEMPORARY FENCING BY GC. SEE SITE DRAWINGS FOR EXTENT.
  - PROPOSED TEMPORARY 10' WIDE x 25' LONG (NOM) CART PATH AND RESTAURANT PROTECTION DURING CONSTRUCTION NOT SHOWN. COORDINATE PLACEMENT W/ EXISTING CONDITIONS AND CONSTRUCTION ACTIVITIES & SEQUENCING. SEE SITE DRAWINGS FOR EXTENTS.
  - ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



KEY PLAN

NO.	REVISION	DATE	BY

**EXISTING / DEMOLITION FOUNDATION PLAN (PHASE 1)**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 EVESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

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MLM	JS	CK / JDT	AS NOTED
DATE:	SHEET No.:		
03.25.2026	S-1.1		
JOB No.:	03131287		

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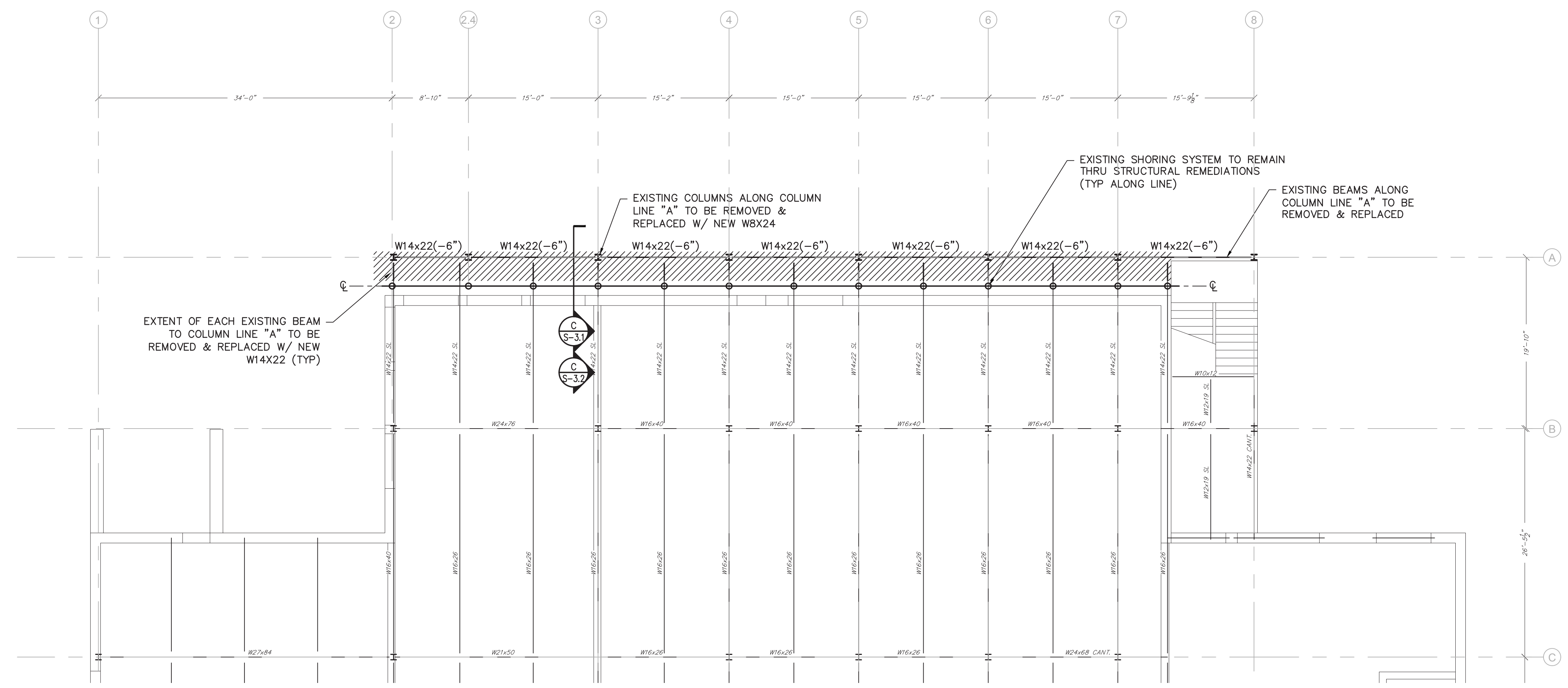
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Jacqueline D. Trovato  
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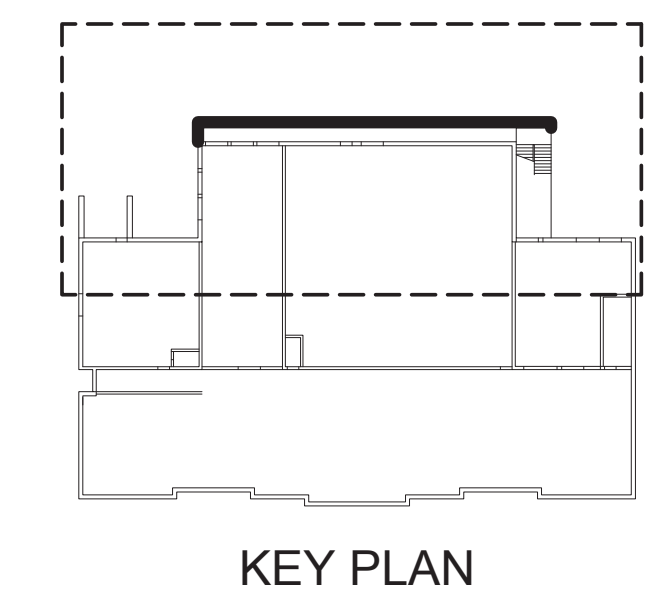
Christopher M. Keller  
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CHRISTOPHER M. KELLER  
 NJ PROFESSIONAL ENGINEER LIC. No. 57572



**EXISTING / REMEDIATION SECOND FLOOR FRAMING PLAN (PHASE 1)**  
 SCALE: 1/8"=1'

- NOTES:**
- EXISTING F.F.E. (INTERIOR) = 12'-8" (U.N.O.). EXISTING F.F.E. (BALCONY) = 12'-6" (HI POINT) AND 12'-2" (LO POINT).
  - EXISTING T.O.S. ELEVATION (INTERIOR) = 12'-2 1/2" (U.N.O.). (±) INDICATES VARIATIONS IN T.O.S. ELEVATIONS.
  - "SL" DENOTES SLOPING T.O.S.
  - EXISTING FLOOR CONSTRUCTION CONSISTS OF 3 1/2" CONCRETE SLAB ON 2" LOK-FLOOR, 20 GA. METAL DECK W/ 6x6x1 9/10 W.W.F. (TOTAL 5 1/2").
  - EXISTING STRUCTURAL STEEL CONSISTS OF ASTM A36.
  - EXISTING INTERIOR AND BALCONY STRUCTURAL STEEL MAY INCLUDE HEADED SHEAR STUDS (QUANTITY VARIES AND IS NOT INDICATED).
  - INDICATES EXTENT OF EXISTING FLOOR CONSTRUCTION TO BE REMOVED AND REPLACED W/ NEW 3 1/2" CONCRETE SLAB ON 2", 20 GA. METAL DECK W/ 6x6-W2.0xW2.0 W.W.F. (TOTAL 5 1/2").
  - PROPOSED TEMPORARY 10' WIDE x 25' LONG (NOM) CART PATH AND RESTAURANT PROTECTION DURING CONSTRUCTION NOT SHOWN. COORDINATE PLACEMENT W/ EXISTING CONDITIONS AND CONSTRUCTION ACTIVITIES & SEQUENCING. SEE SITE DRAWINGS FOR EXTENT.
  - ALL NEW STRUCTURAL STEEL SHALL BE GALVANIZED (U.N.O.).
  - ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

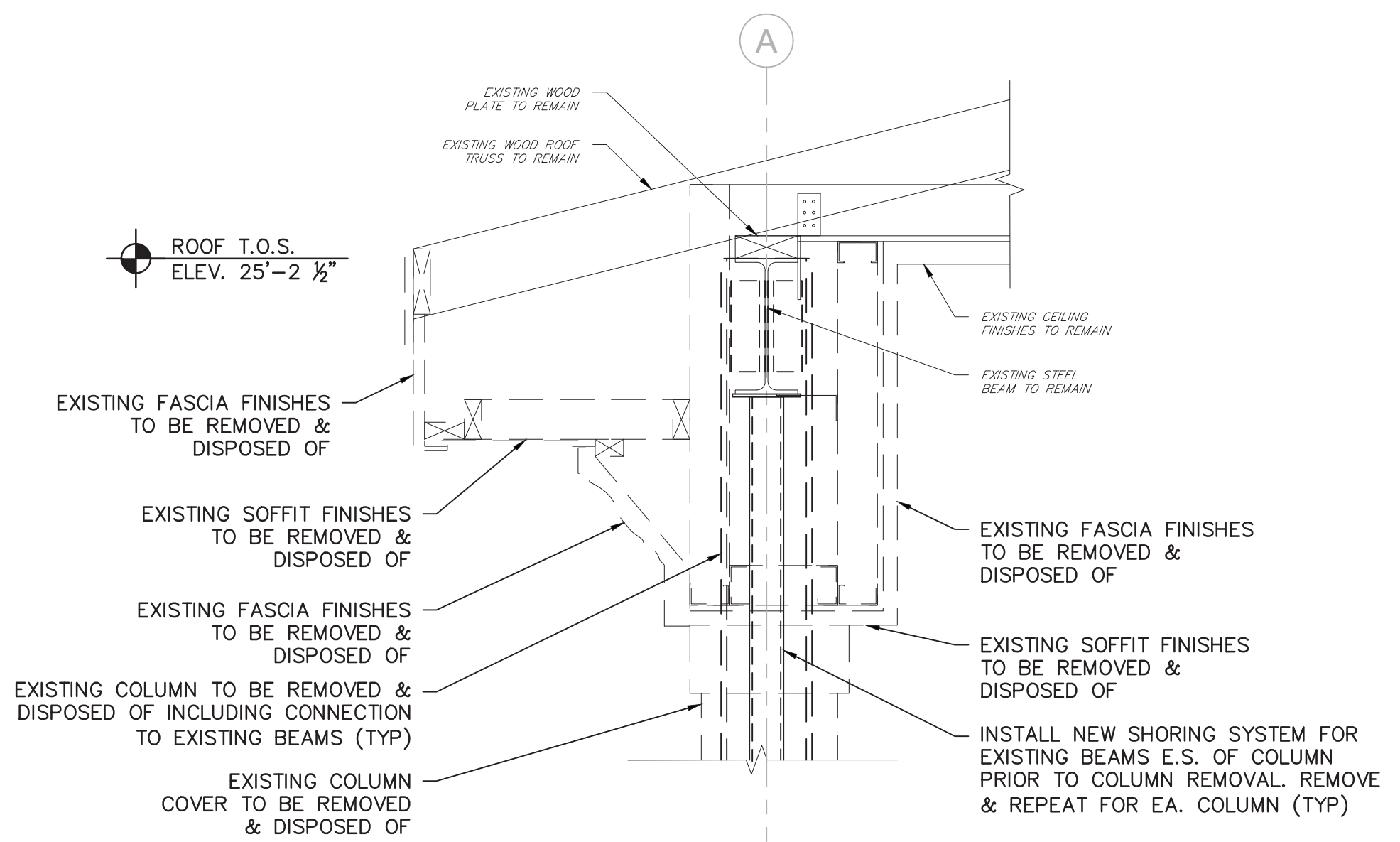
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**EXISTING / REMEDIATION SECOND FLOOR FRAMING PLAN (PHASE 1)**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 EVESHAM TOWNSHIP  
 BURLINGTON COUNTY  
 NEW JERSEY

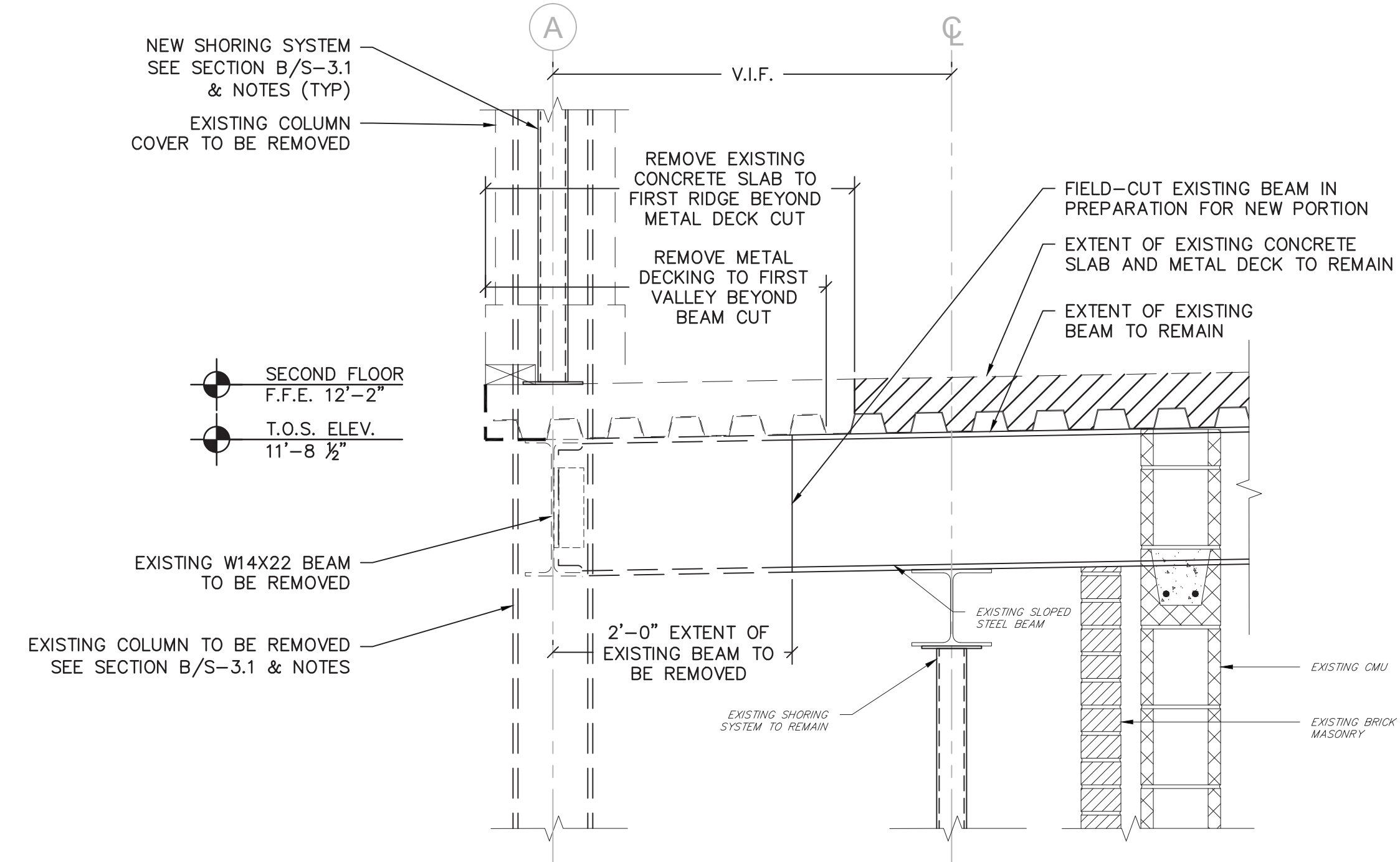
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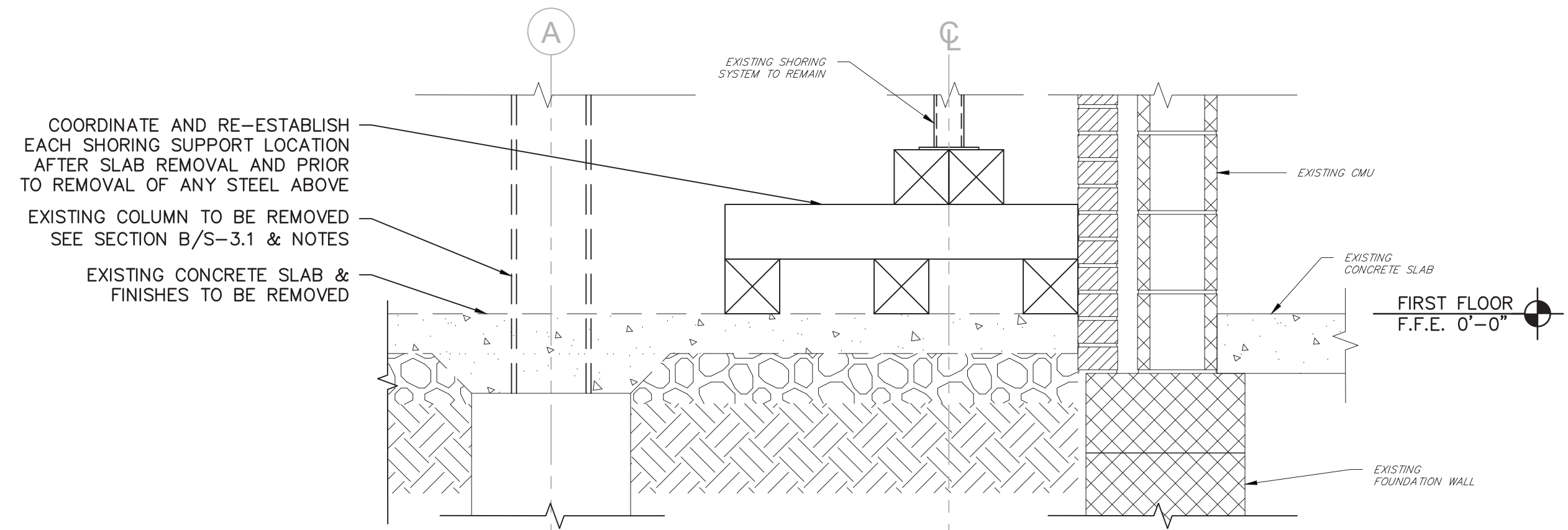
**B**  
SECTION  
S-3.1 SCALE: 1"=1'-0"

- NOTES:**
- EXISTING COLUMNS TO BE REMOVED & REPLACED PRIOR TO REMOVAL OF EXISTING CONCRETE SLAB, METAL DECK, AND BEAMS. SEE SECTION C/S-3.1.
  - ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



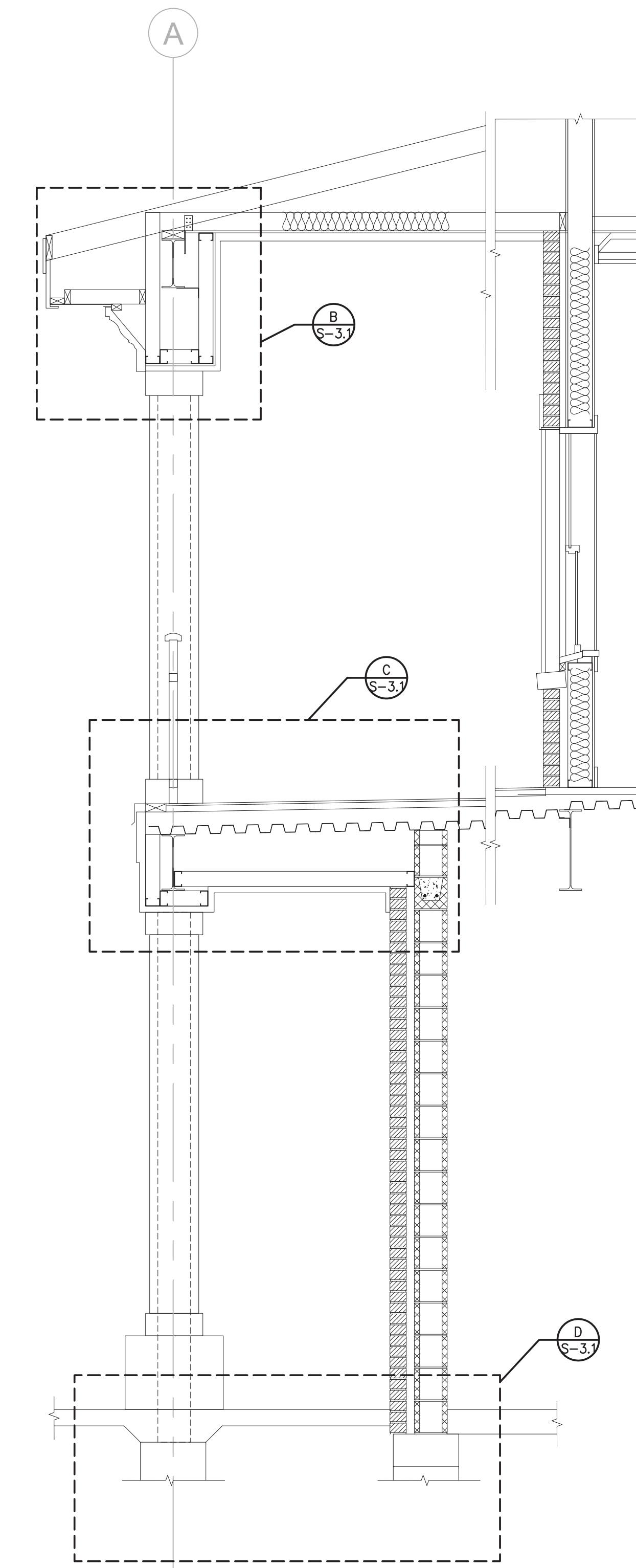
**C**  
SECTION  
S-3.1 SCALE: 1"=1'-0"

- NOTES:**
- SOME EXISTING FINISHES HAVE ALREADY BEEN REMOVED.
  - ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



**D**  
SECTION  
S-3.1 SCALE: 1"=1'-0"

- NOTES:**
- ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



**A**  
SECTION  
S-3.1 SCALE: 1/2"=1'

- NOTES:**
- ALL BLOCKING, HANDRAILS AND FINISHES SHOWN IN THIS SECTION ARE NOT SHOWN IN ASSOCIATED DETAILS / SECTIONS FOR CLARITY; SEE SHEETS S-4.1 & S-4.2 FOR ALL FINISHES



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Jacqueline Trovato  
 DATE: 04-20-2026  
**JACQUELINE D. TROVATO**  
 NJ PROFESSIONAL ENGINEER LIC. No. 51944

Christopher M. Keller  
 DATE: 04-20-2026  
**CHRISTOPHER M. KELLER**  
 NJ PROFESSIONAL ENGINEER LIC. No. 57572

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**EXISTING / DEMOLITION SECTIONS AND DETAILS**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 BURLINGTON COUNTY  
 NEW JERSEY

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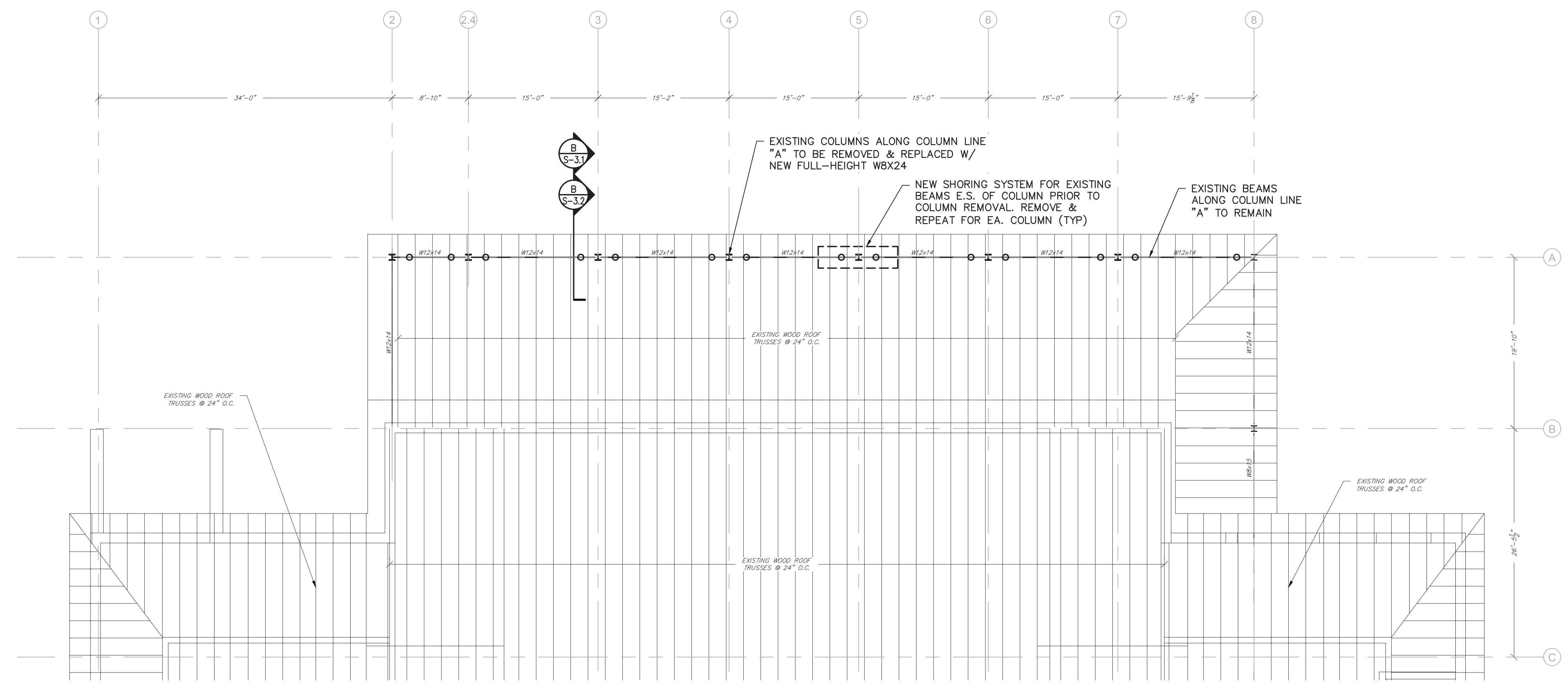
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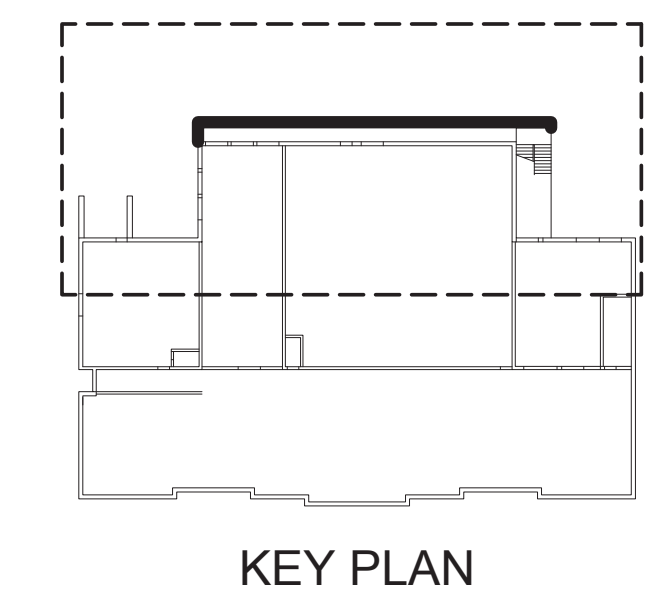
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**EXISTING / REMEDIATION ROOF FRAMING PLAN (PHASE 1)**  
 SCALE: 1/8"=1'

- NOTES:**
- EXISTING T.O.S. ELEVATION (INTERIOR) = 25'-2 1/2" (U.N.O.) BASED ON EXISTING T.O. PLATE ELEVATION = 25'-4" (V.I.F.).
  - EXISTING STRUCTURAL STEEL CONSISTS OF ASTM A36.
  - PROPOSED TEMPORARY 10' WIDE x 25' LONG (NOM) CART PATH AND RESTAURANT PROTECTION DURING CONSTRUCTION NOT SHOWN. COORDINATE PLACEMENT W/ EXISTING CONDITIONS AND CONSTRUCTION ACTIVITIES & SEQUENCING. SEE SITE DRAWINGS FOR EXTENT.
  - ALL NEW STRUCTURAL STEEL SHALL BE GALVANIZED (U.N.O.).
  - ALL SHORING IS TO BE SALVAGED, STORED AND RETURNED TO OWNER.



KEY PLAN

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**EXISTING / REMEDIATION ROOF FRAMING PLAN (PHASE 1)**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 EVESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

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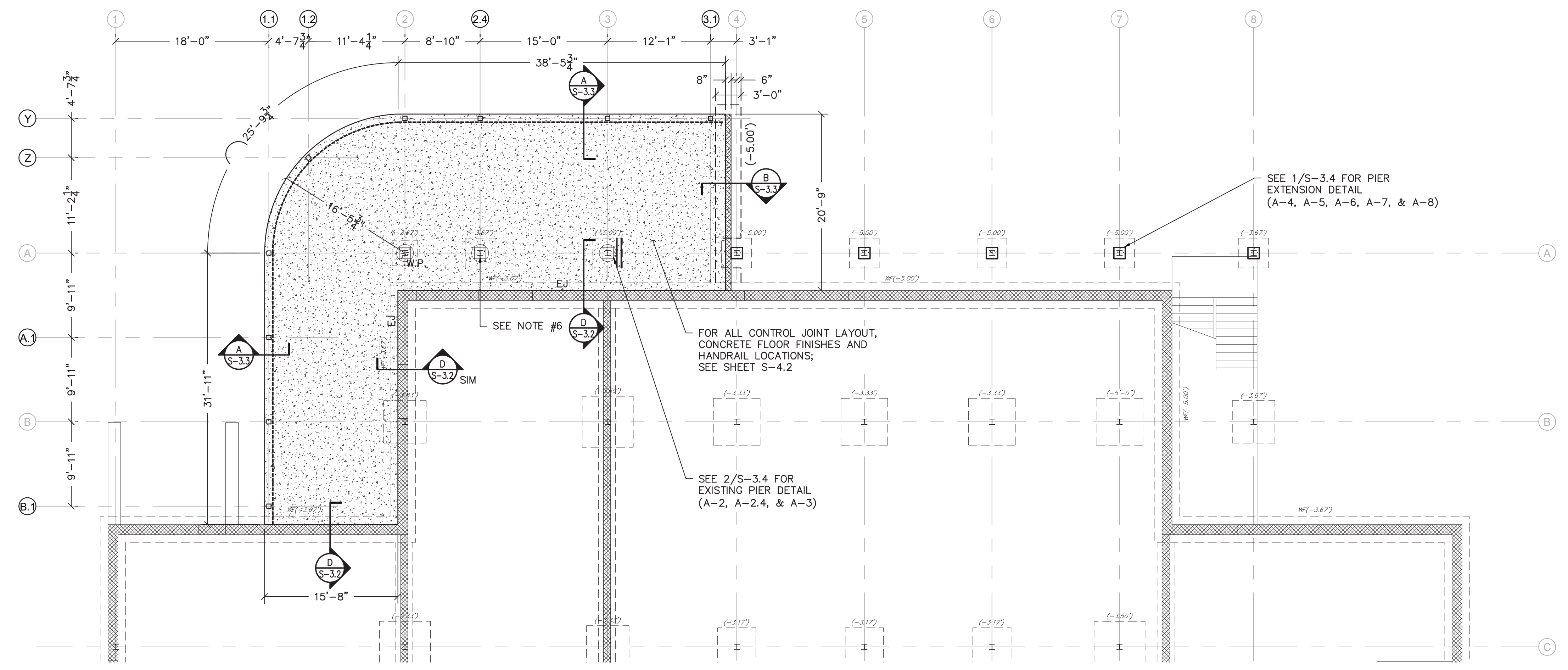
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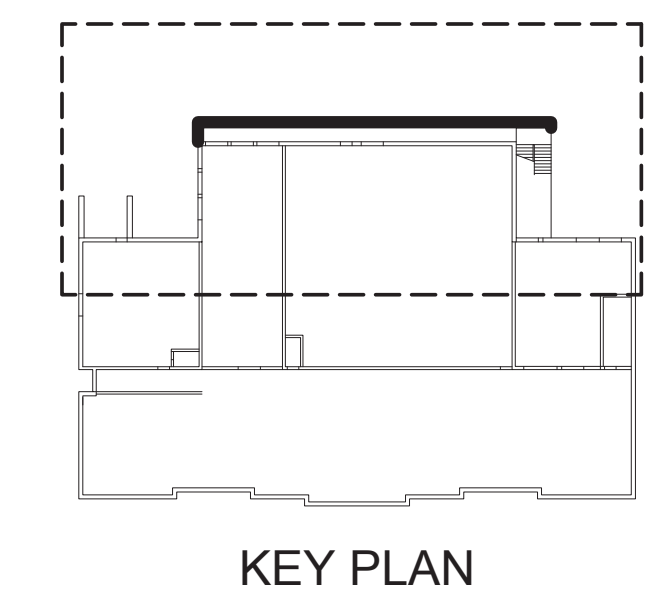
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**PROPOSED FOUNDATION PLAN (PHASE 2)**  
 SCALE: 1/8"=1'

- NOTES:
1. NEW F.F.E. = (0'-0") (0.00') (U.N.O.).
  2. [Pattern] DENOTES EXTENT OF SLAB ON GRADE CONSTRUCTION.
  3. (-0.00') DENOTES BOTTOM OF EXISTING & NEW FTG ELEV REF FROM EXISTING F.F.E.
  4. NEW SLAB-ON-GRADE CONSTRUCTION SHALL BE 5" CONCRETE SLAB W/ 4x4-W4.0xW4.0 W.W.F.
  5. "W.P." DENOTES WORK POINT FOR DIMENSIONS REFERENCE.
  6. PROPOSED TEMPORARY 10' WIDE x 25' LONG (NOM) CART PATH AND RESTAURANT PROTECTION DURING CONSTRUCTION NOT SHOWN. COORDINATE PLACEMENT W/ EXISTING CONDITIONS AND CONSTRUCTION ACTIVITIES & SEQUENCING. SEE CIVIL DRAWINGS FOR EXTENT.
  7. PROVIDE 12"Ø CONCRETE BASE ENCLOSURE AROUND EXISTING COLUMNS (TYP 3 ALONG COLUMN LINE "A") W/ CJ PERIMETER. COORDINATE W/ "PATIO FINISH PLAN" FOR ALL CJ LOCATIONS AND LAYOUT. PROVIDE (2) #4x4'-0" LONG. W/ 2" CLEAR COVER IN SLAB AS SHOWN FOR COLUMN "A-3".

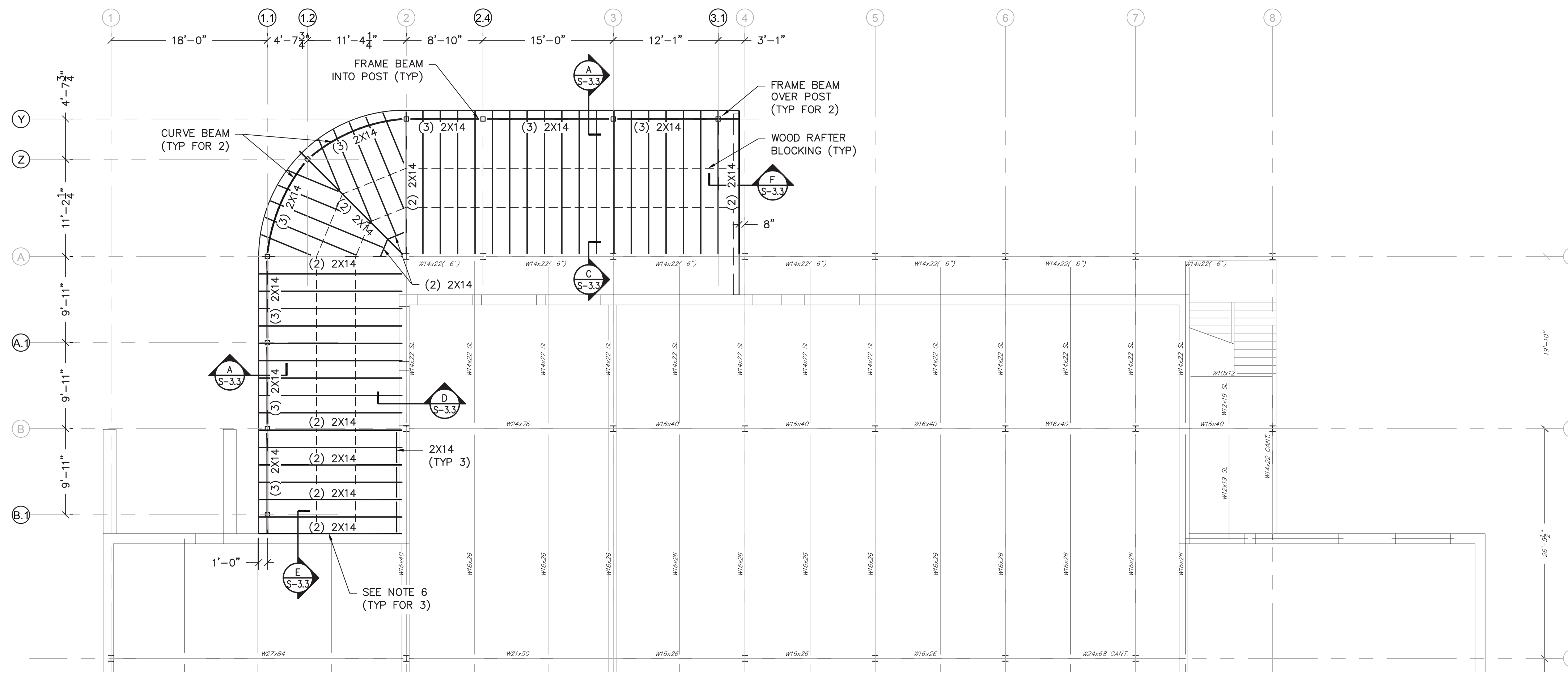


KEY PLAN

**PROPOSED FOUNDATION PLAN (PHASE 2)**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 EVESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

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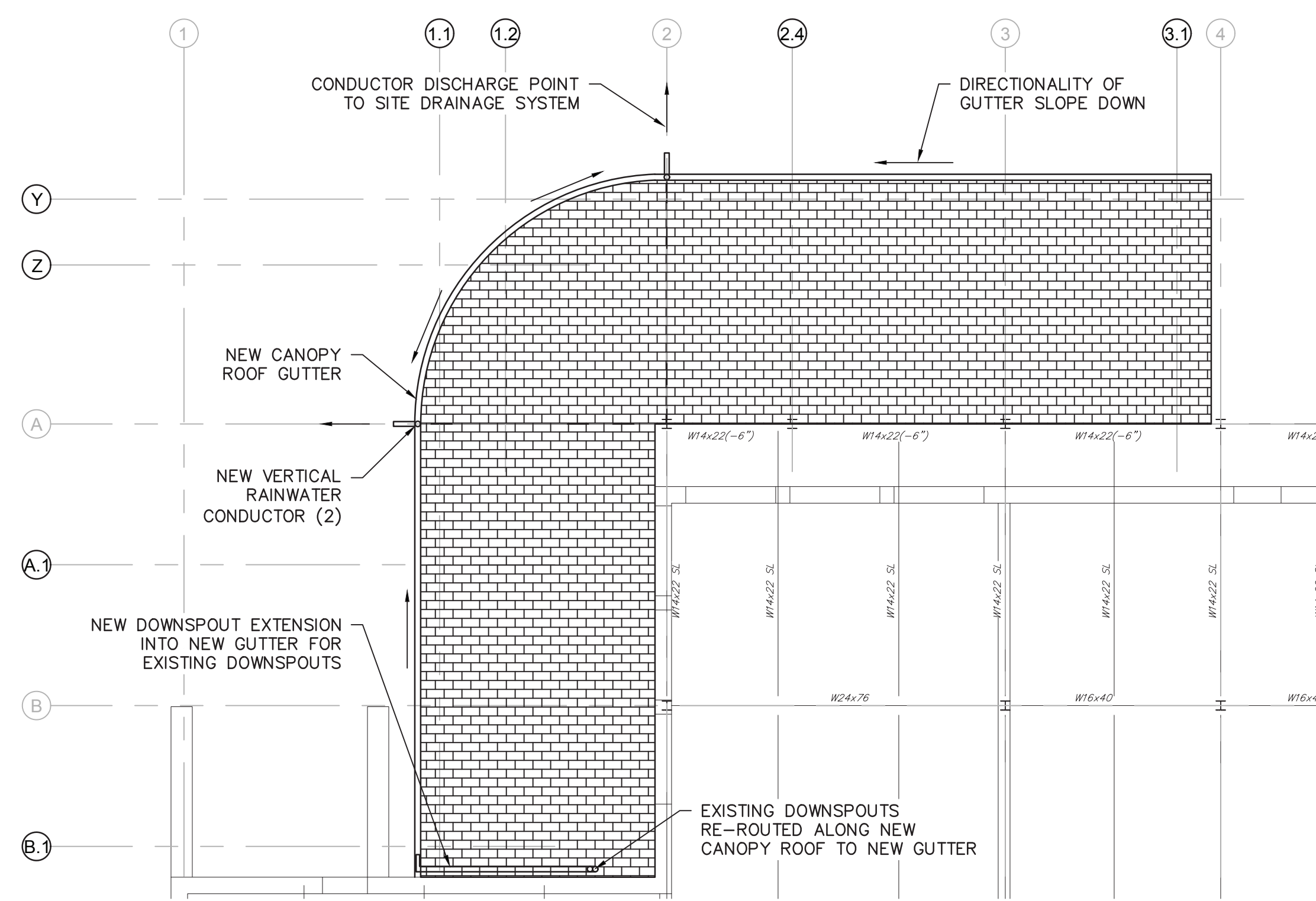
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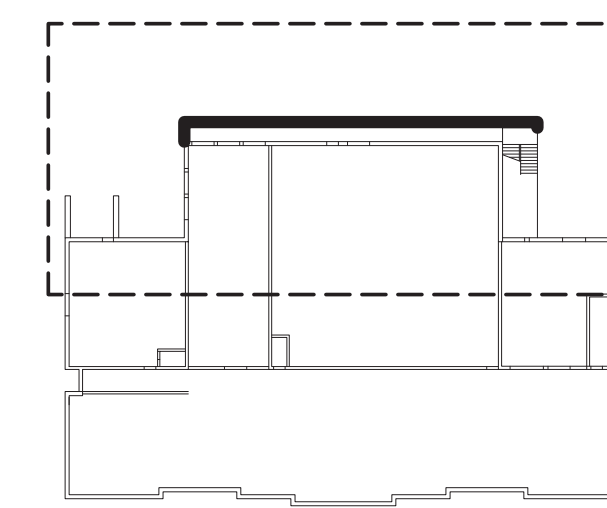
**A**  
S-2.2 **PROPOSED ROOF FRAMING PLAN (PHASE 2)**  
SCALE: 1/8"=1'

**NOTES:**

1. NEW TOP OF BEAM ELEVATION = (7'-11 1/4") (U.N.O.).
2. NEW ROOF SLOPE SHALL BE 2:12.
3. NEW ROOF DECKING SHALL BE 1/2" OR 3/8" APA STRUCTURAL I RATED SHEATHING.
4. NEW ROOF JOISTS SHALL BE 2X14 @ 24" O.C. (U.N.O.).
5. "BLOCKING DENOTES SOLID (2X) TO MATCH RAFTERS.
6. SIMPSON STRONG-TIE RAFTER HANGER NOT AVAILABLE FOR DOUBLE MEMBERS. SPACE APART AS REQUIRED TO FIR HANGER AS SHOWN IN SECTION.
7. SEE IBC TABLE 2304.10.1 FASTENING SCHEDULE FOR ALL INCIDENTAL WOOD MEMBER CONNECTIONS NOT INDICATED ON DRAWINGS.
8. ALL WOOD FRAMING SHALL BE PRESSURE-TREATED (PT)(U.N.O.).



**B**  
S-2.2 **PROPOSED ROOF RAINWATER COLLECTION SYSTEM**  
SCALE: 1/8"=1'



**KEY PLAN**

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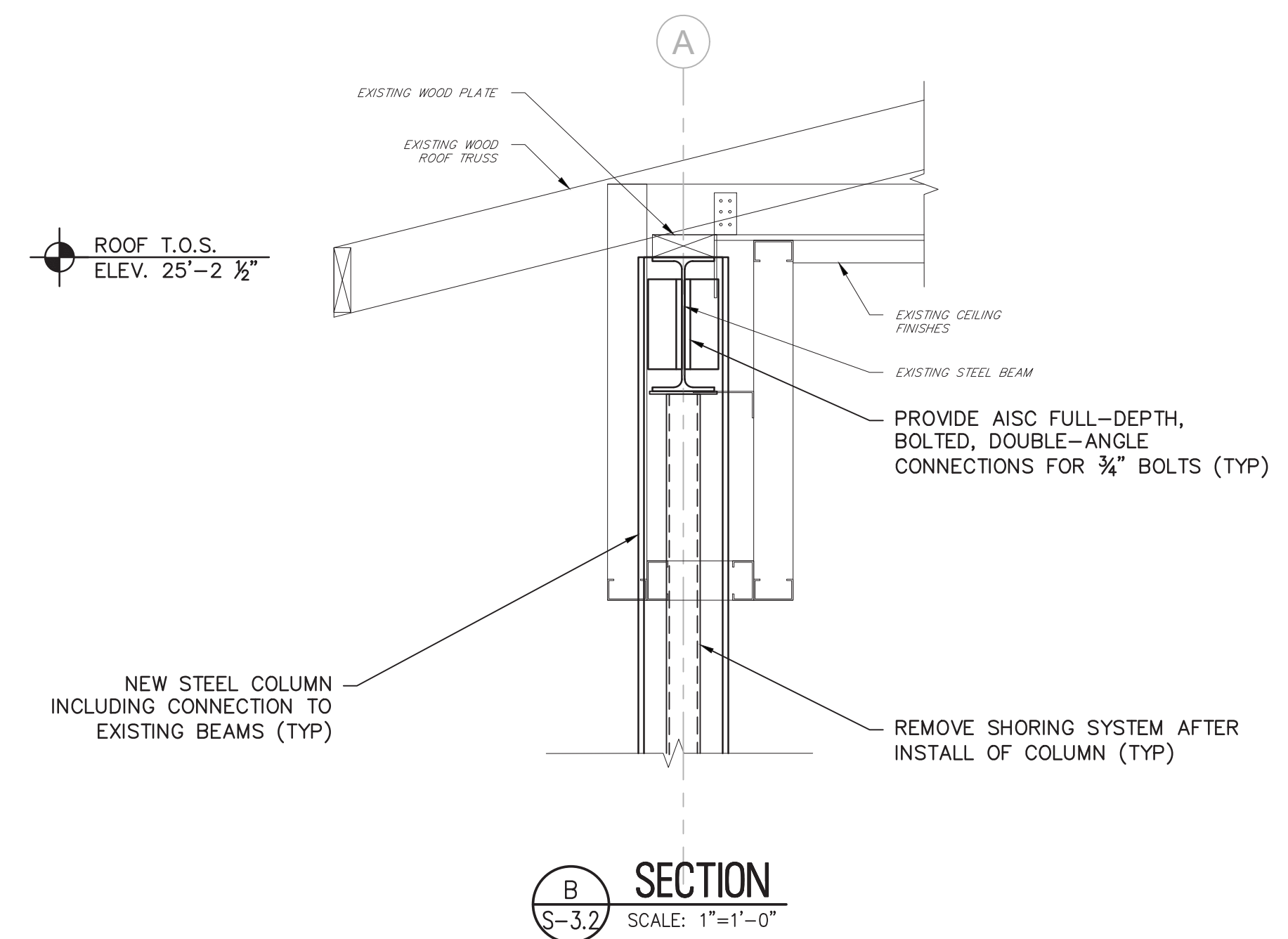
No.	REVISION	DATE	BY	CHK

**PROPOSED ROOF FRAMING PLAN (PHASE 2)**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
BURLINGTON COUNTY  
NEW JERSEY

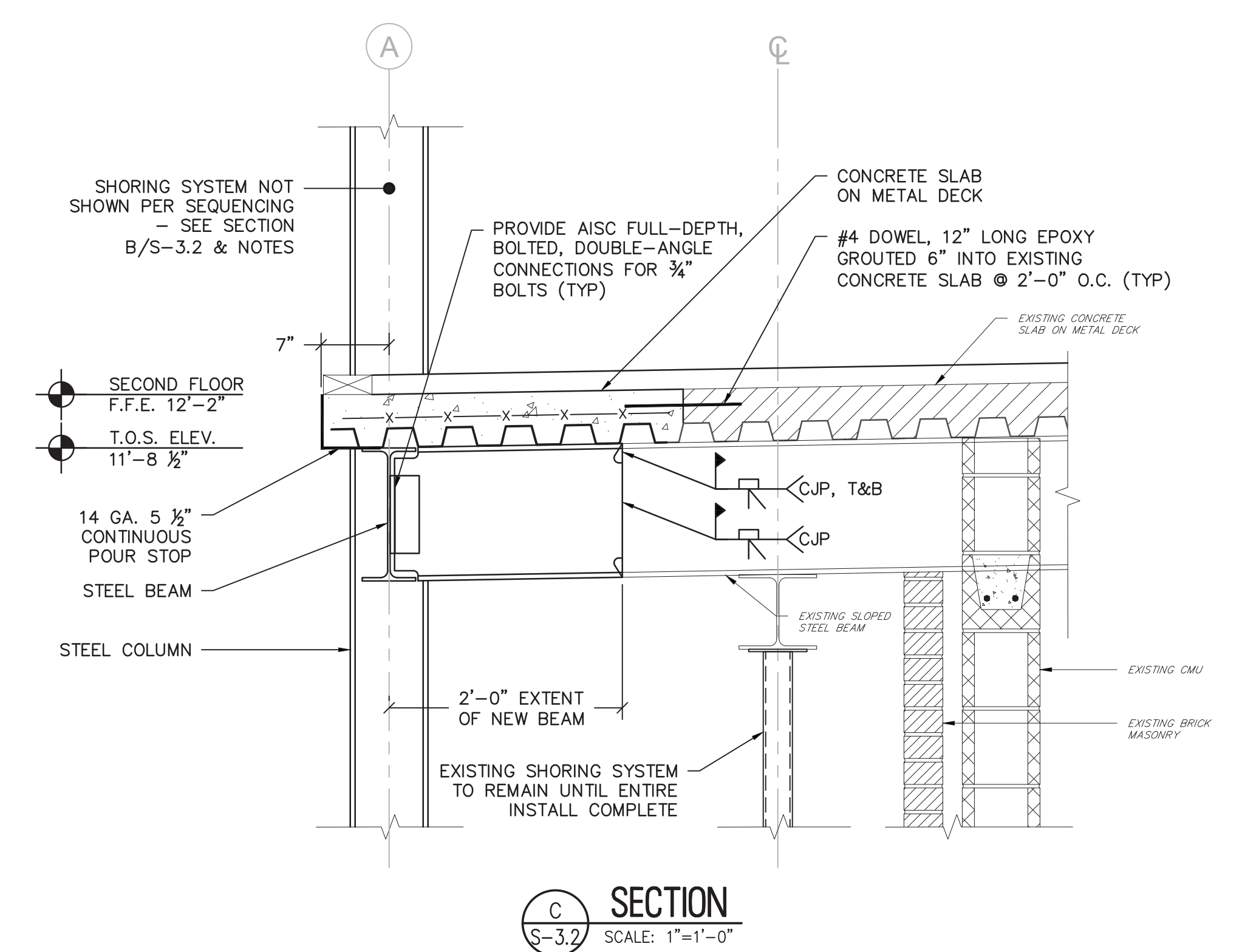
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JOB No.:	03131287

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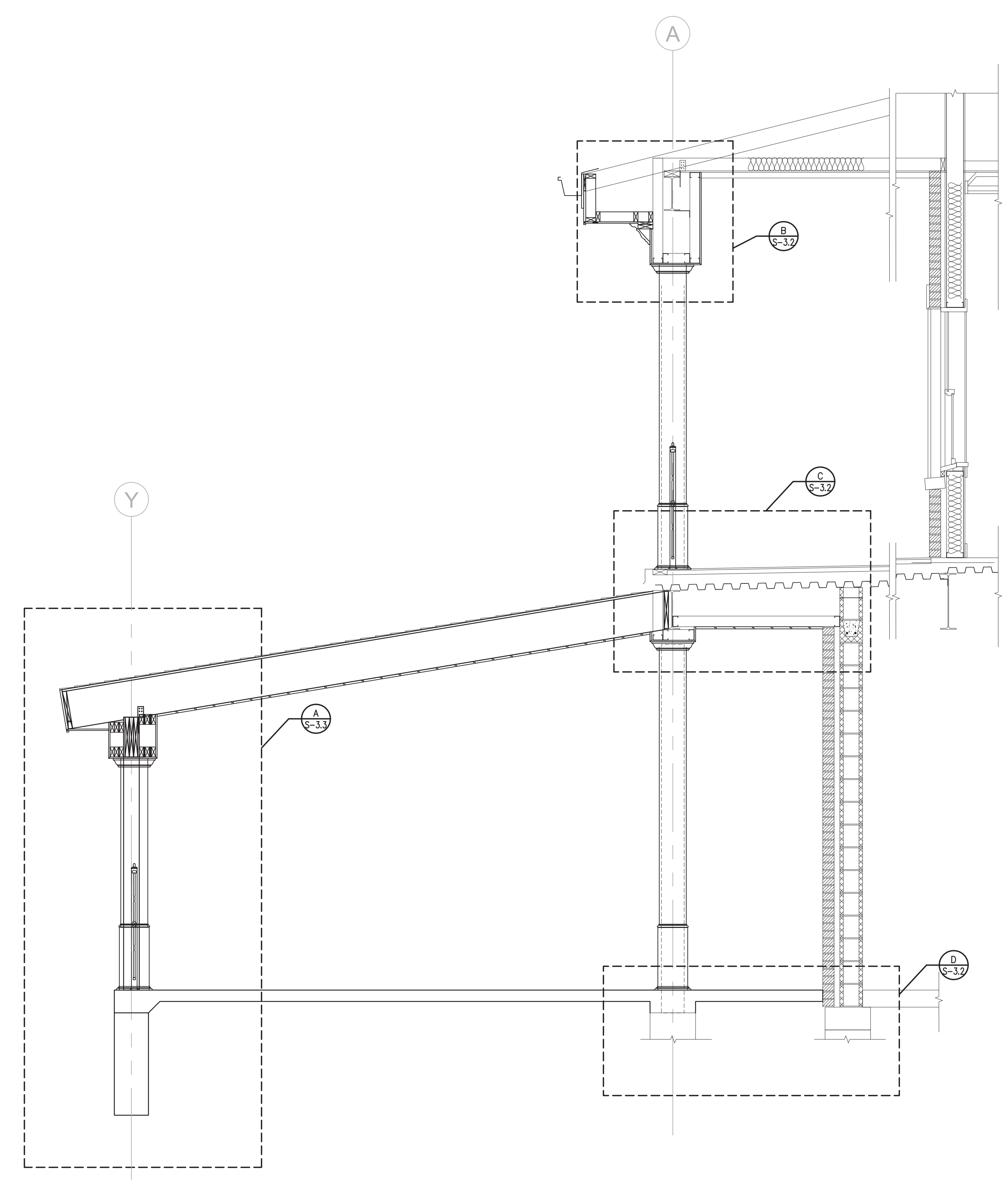
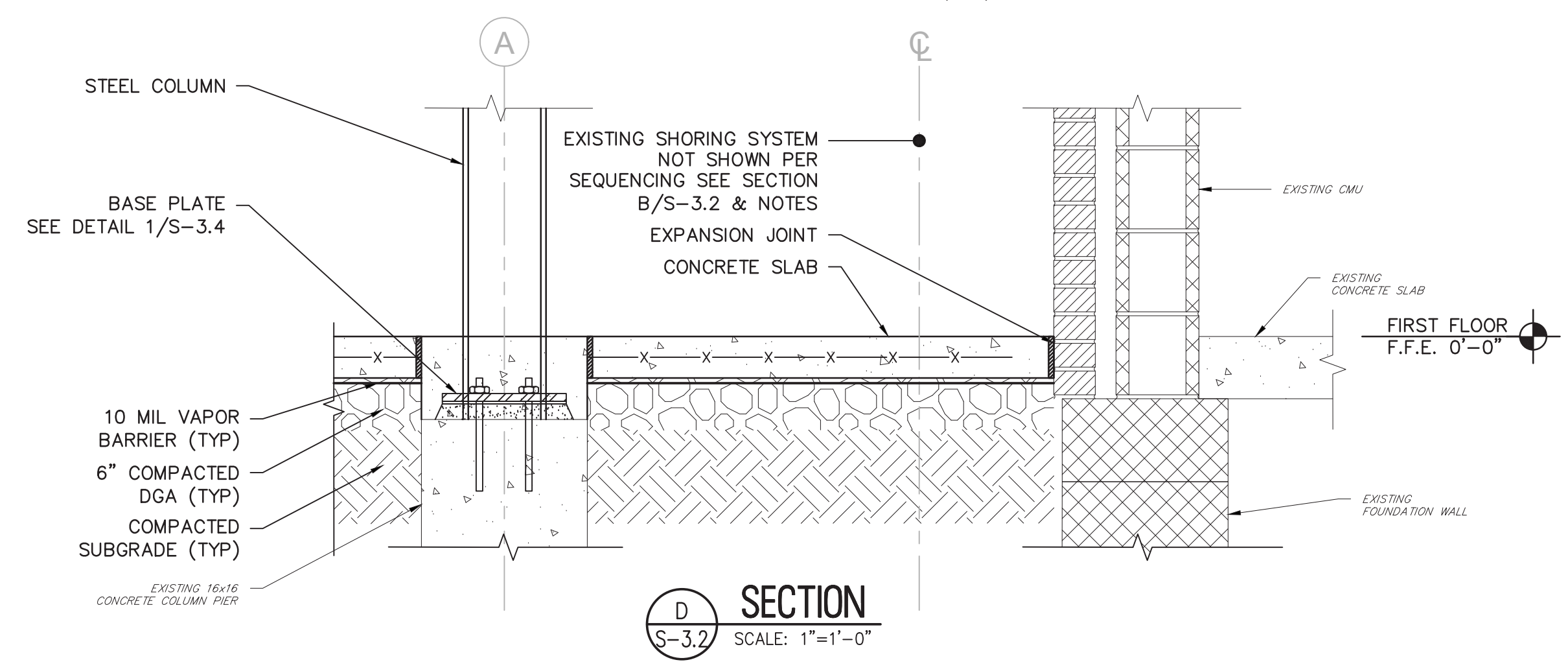
**NOTES:**

1. NEW COLUMNS TO BE INSTALLED PRIOR TO INSTALL OF NEW CONCRETE SLAB, METAL DECK, BEAMS, AND SLAB ON GRADE SEE SECTION B/S-3.1.



**NOTES:**

1. CLEAN AND EPOXY-PAINT EXPOSED STEEL BEAMS TO FACE OF EXISTING BRICK MASONRY (TYP)



**PROPOSED BALCONY AND PATIO WALL SECTION**  
SCALE: 1/2"=1'

**NOTES:**

1. ALL BLOCKING, HANDRAILS AND FINISHES SHOWN IN THIS SECTION ARE NOT SHOWN IN ASSOCIATED DETAILS / SECTIONS FOR CLARITY; SEE SHEETS S-4.1 & S-4.2 FOR ALL FINISHES

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**SECTIONS AND DETAILS**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
BURLINGTON COUNTY  
NEW JERSEY

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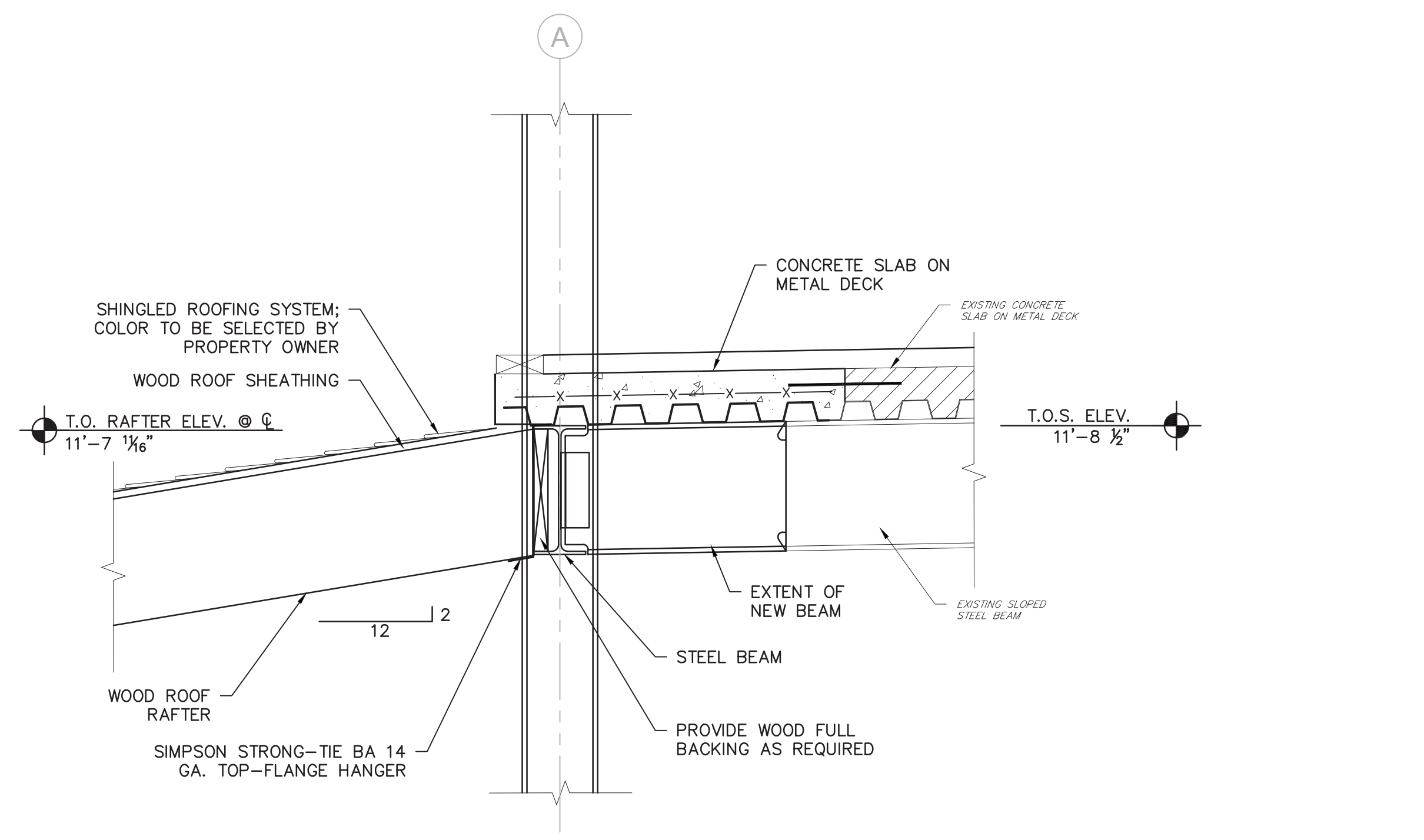
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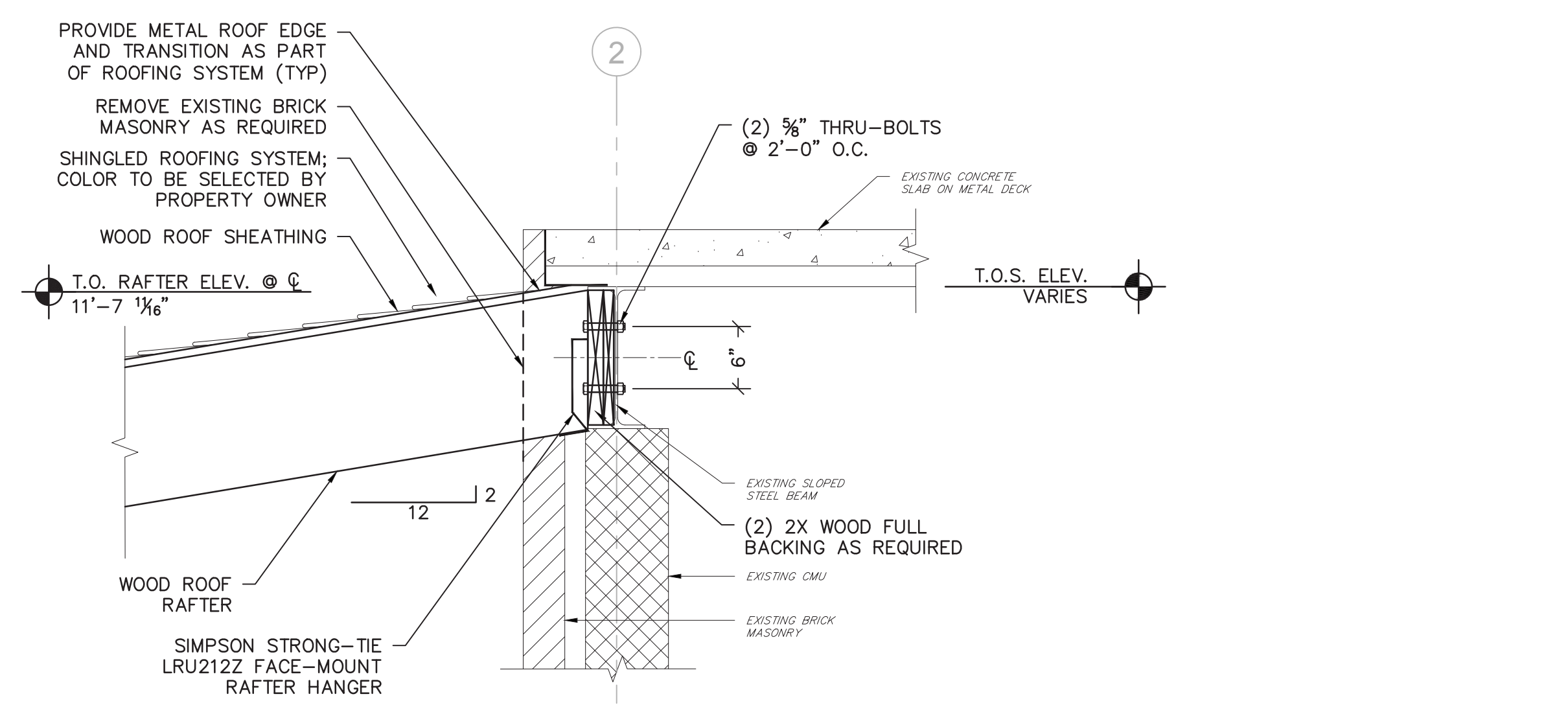
**SECTIONS AND DETAILS**

EVEESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 BURLINGTON COUNTY  
 NEW JERSEY

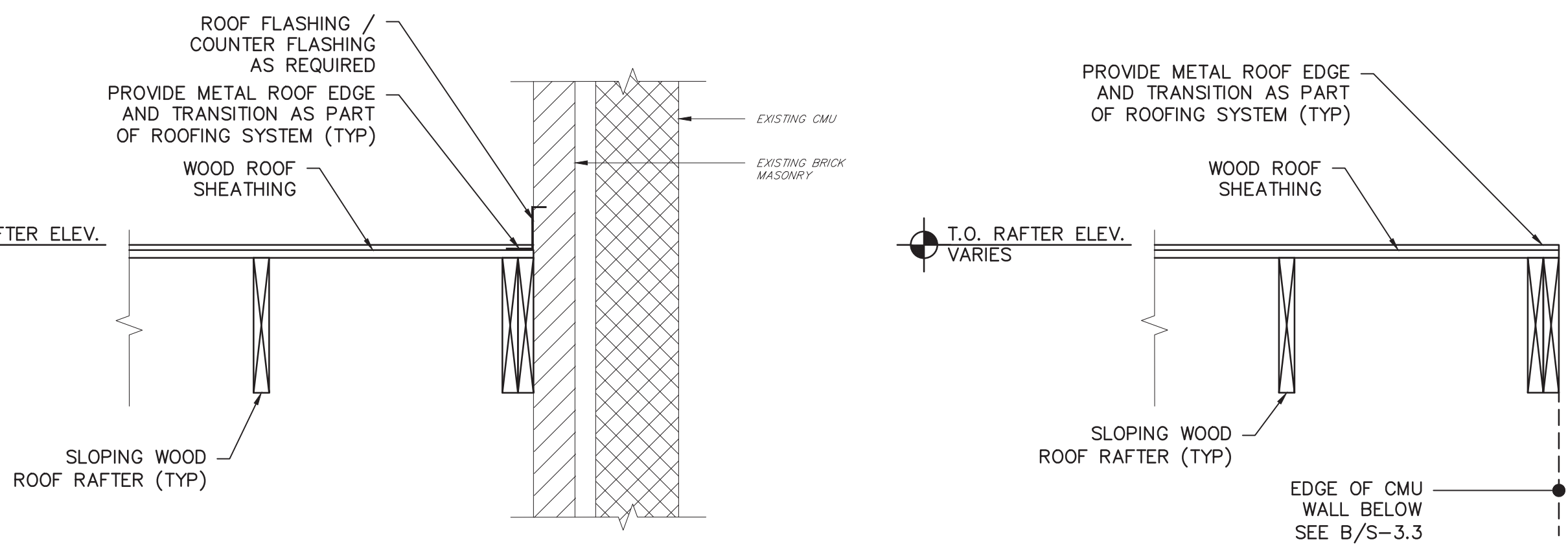
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JOB No.:	S-3.3
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**C SECTION**  
 S-3.3 SCALE: 1"=1'-0"



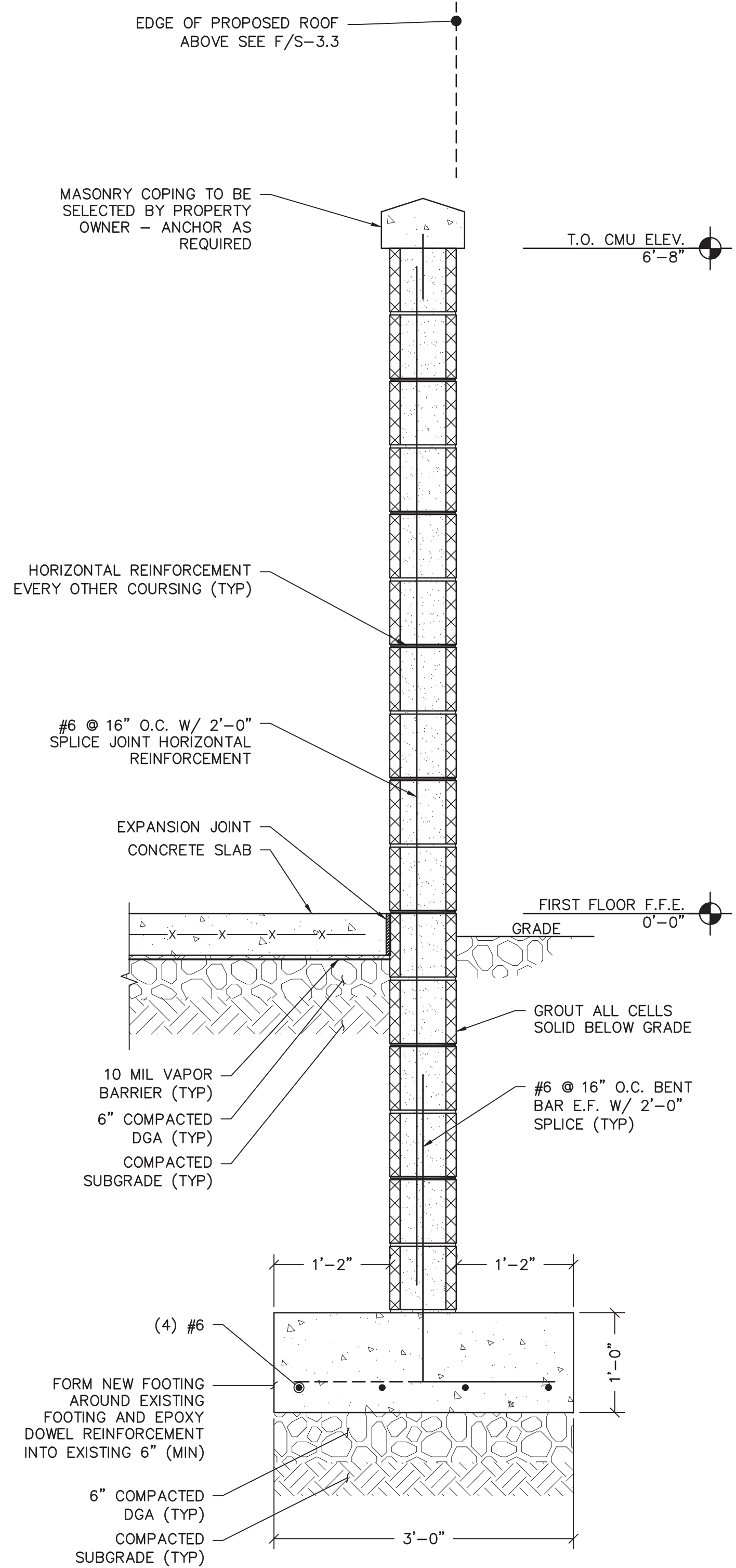
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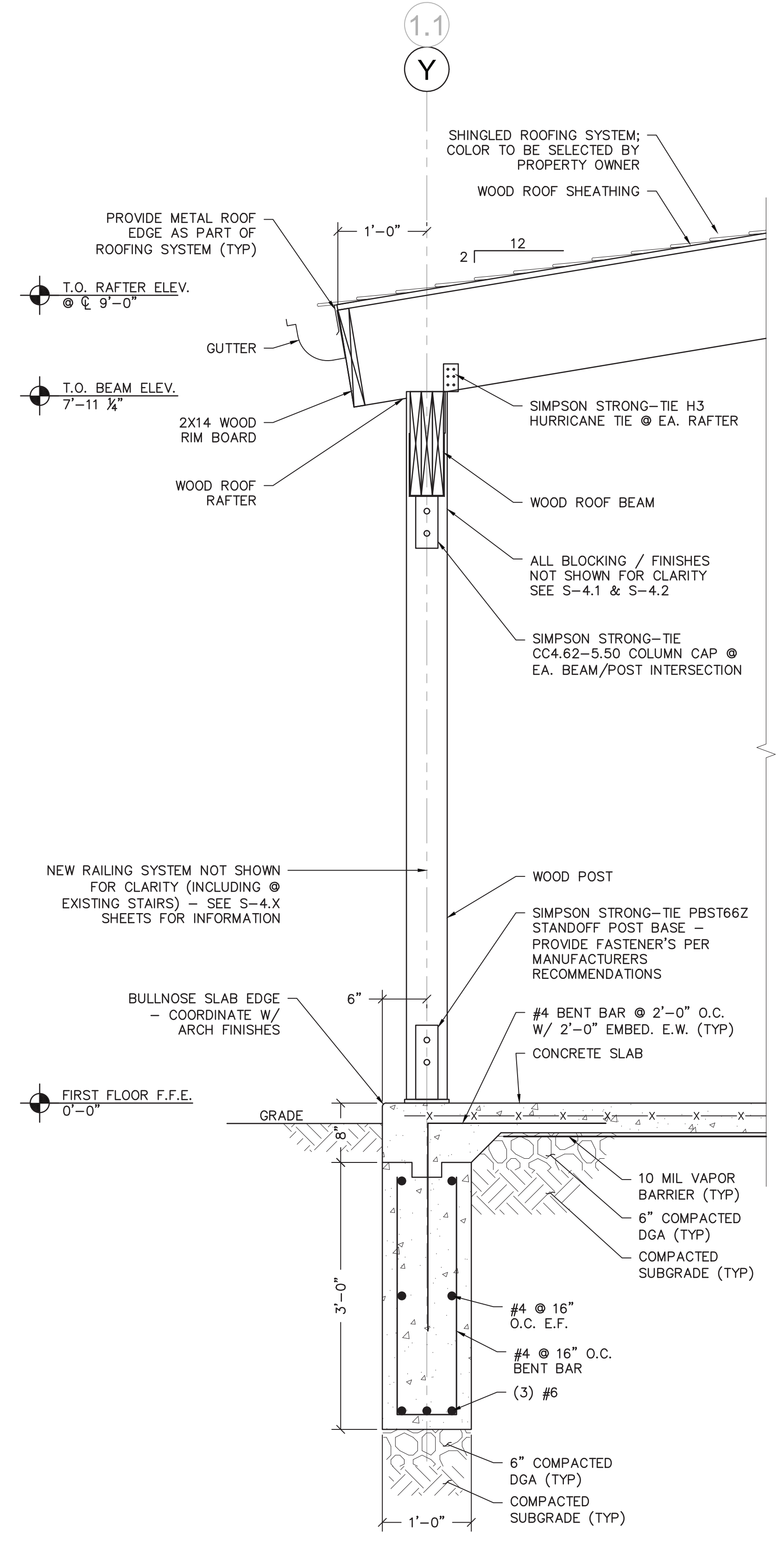
**E SECTION**  
 S-3.3 SCALE: 1"=1'-0"

**F SECTION**  
 S-3.3 SCALE: 1"=1'-0"

- NOTES:
1. DOWNSPOUT SYSTEM NOT SHOWN. SEE "PROPOSED ROOF RAINWATER COLLECTION SYSTEM" FOR INFORMATION.
  2. ROOFING SYSTEM AND ARCH FINISHES NOT SHOWN FOR CLARITY.

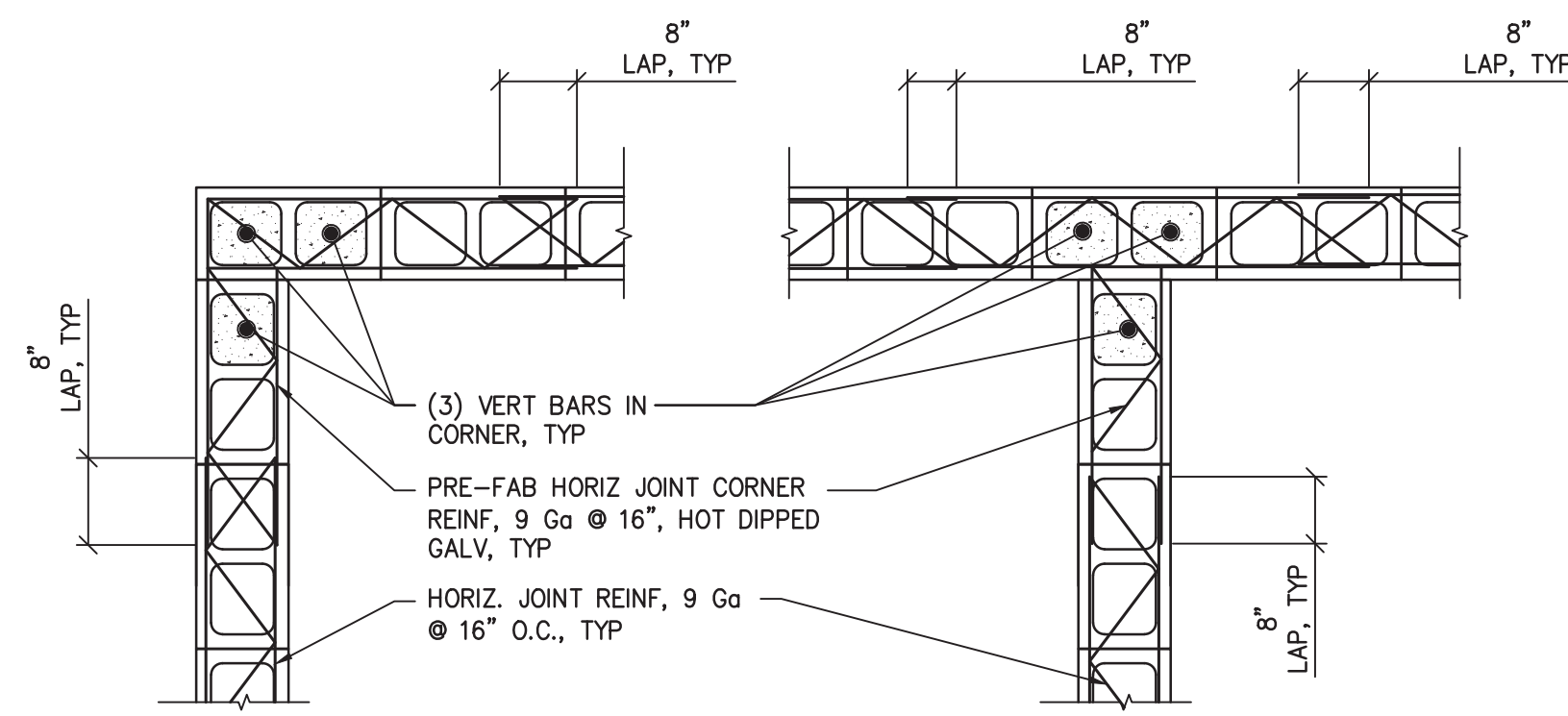


**B SECTION**  
 S-3.3 SCALE: 1"=1'-0"

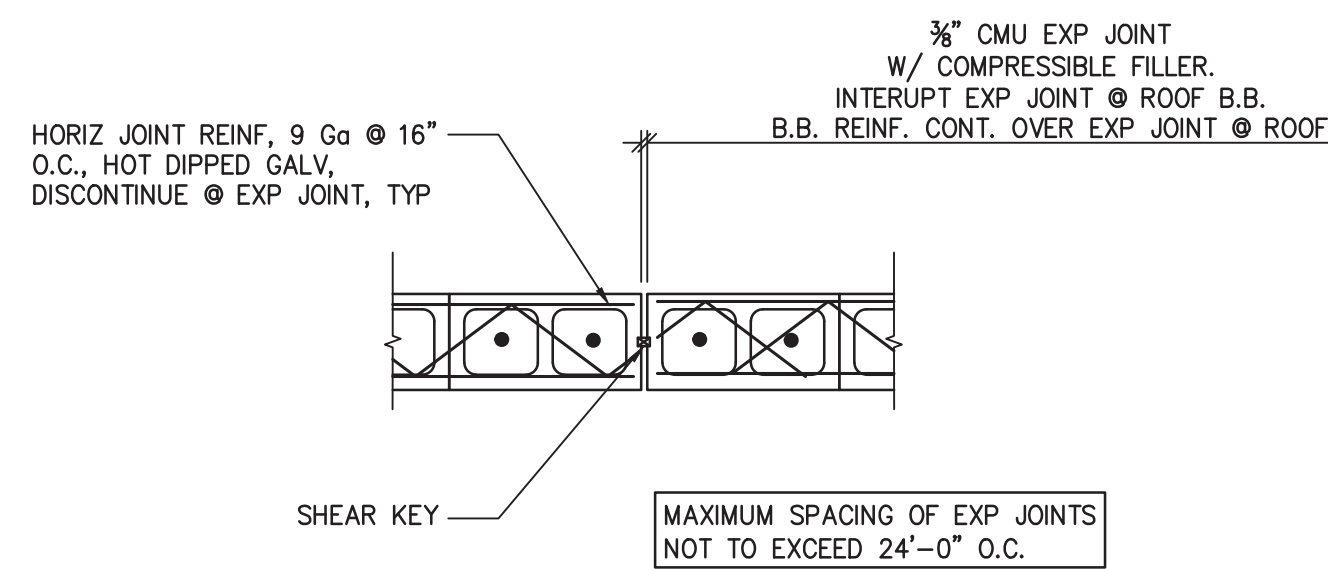


**A SECTION**  
 S-3.3 SCALE: 1"=1'-0"

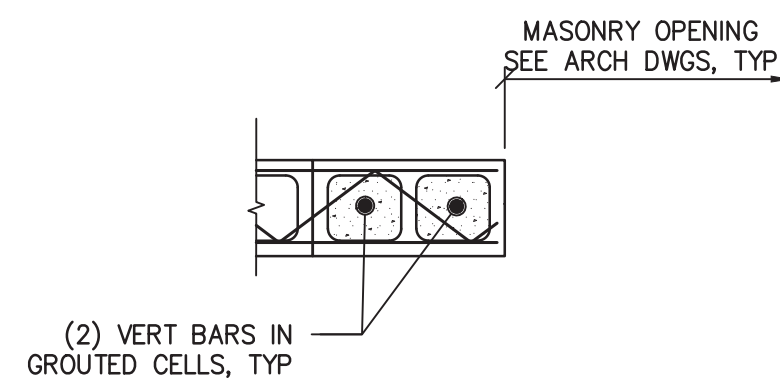
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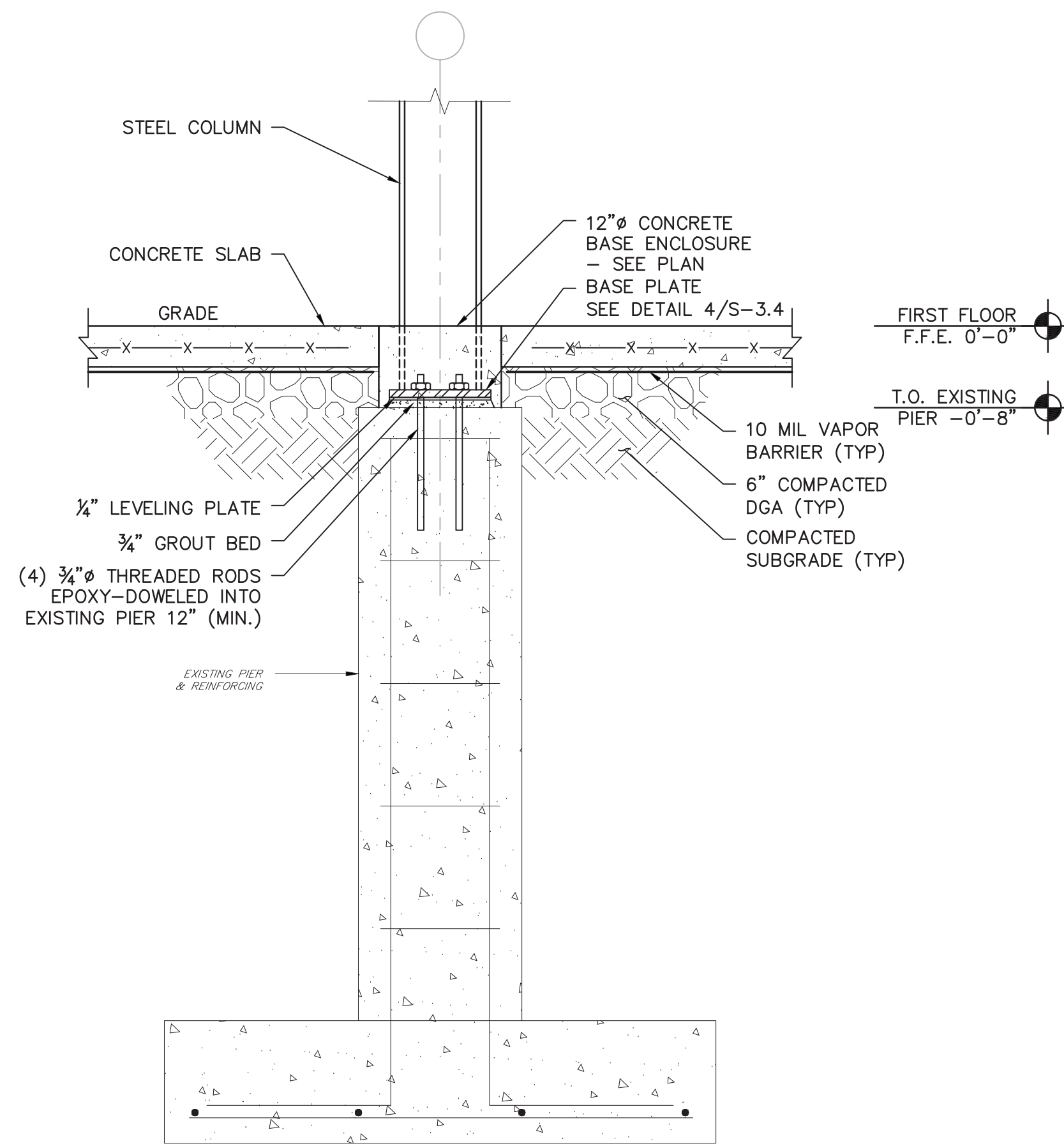
8 TYPICAL HORIZONTAL REINFORCEMENT DETAILS  
S-3.4 N.T.S.



9 TYPICAL CMU CONTRACTION JOINT DETAIL  
S-3.4 N.T.S.

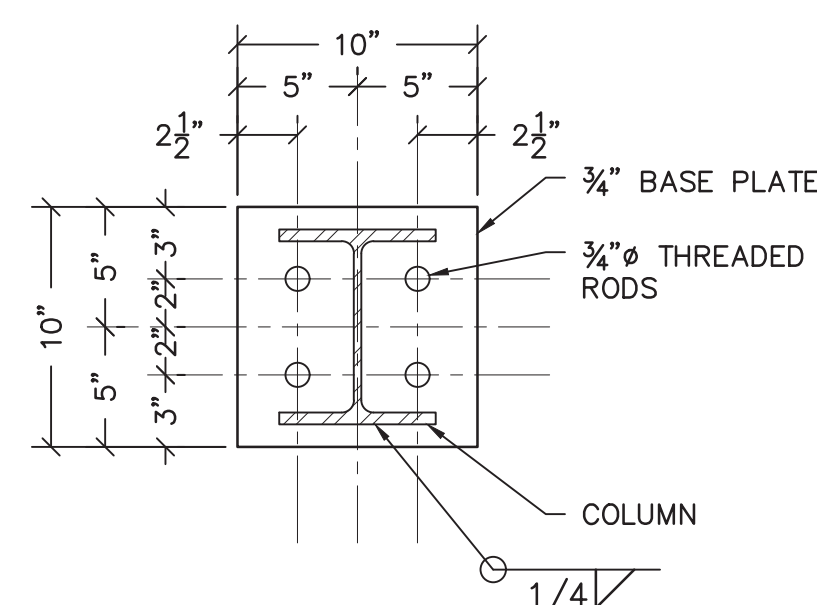


9 TYPICAL REINFORCEMENT @ MASONRY OPENING DETAIL  
S-3.4 N.T.S.

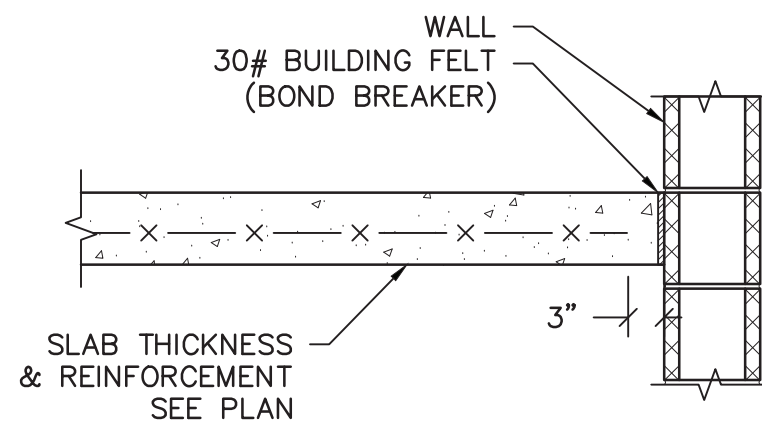


2 EXISTING PIER DETAIL \*  
S-3.4 SCALE: 1"=1'-0"

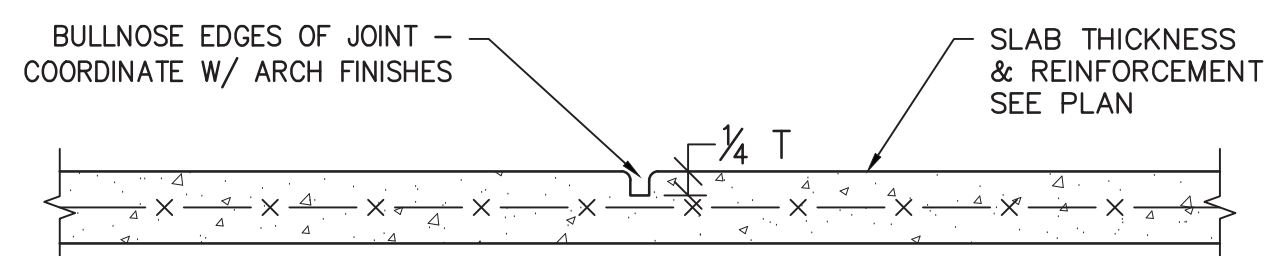
\* APPLIES ONLY TO COLUMNS A-2, A-2.4, & A-3



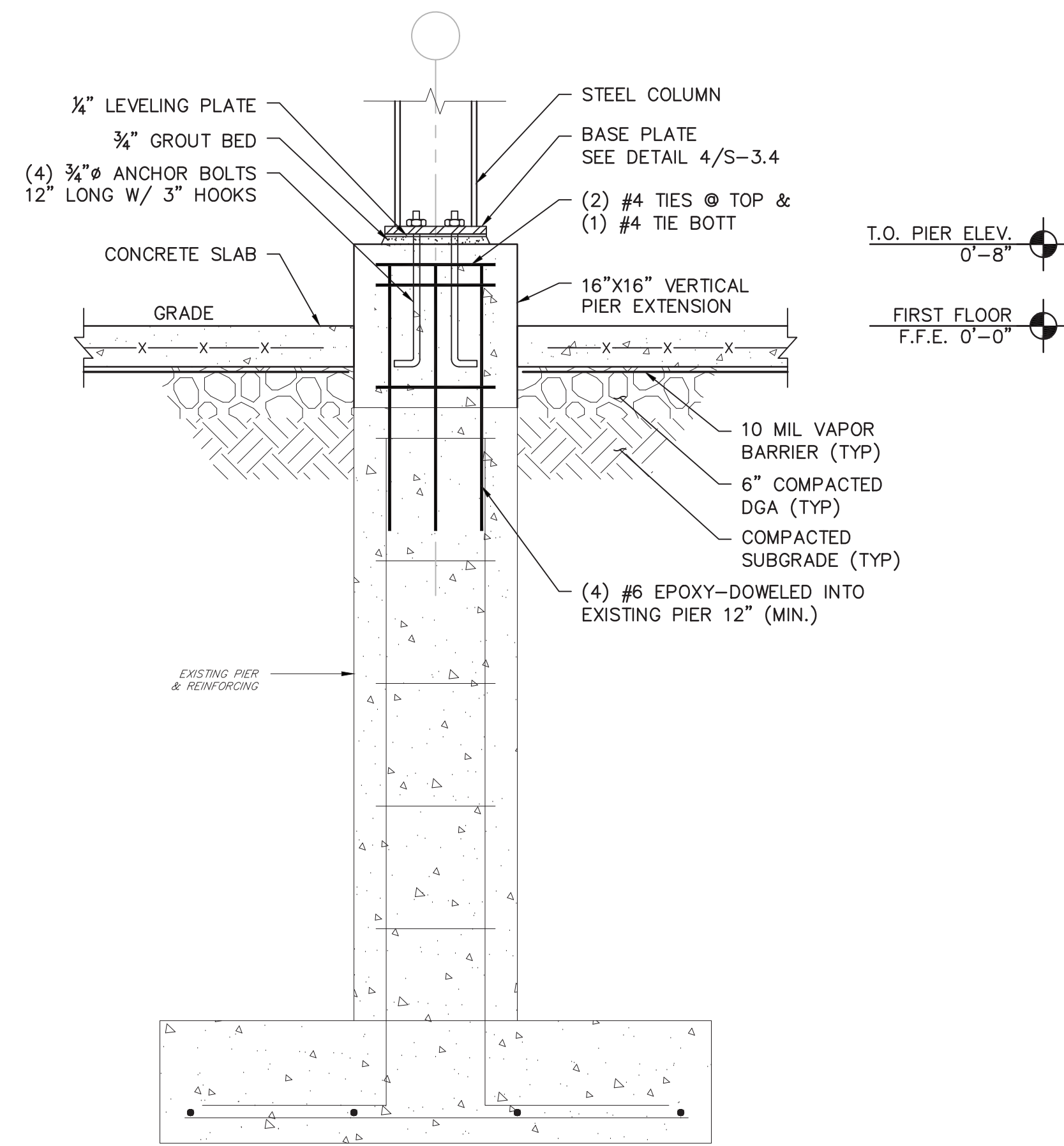
5 BASE PLATE DETAIL  
S-3.4 SCALE: 1-1/2"=1'-0"



6 EXPANSION JOINT AT WALL DETAIL  
S-3.4 N.T.S.

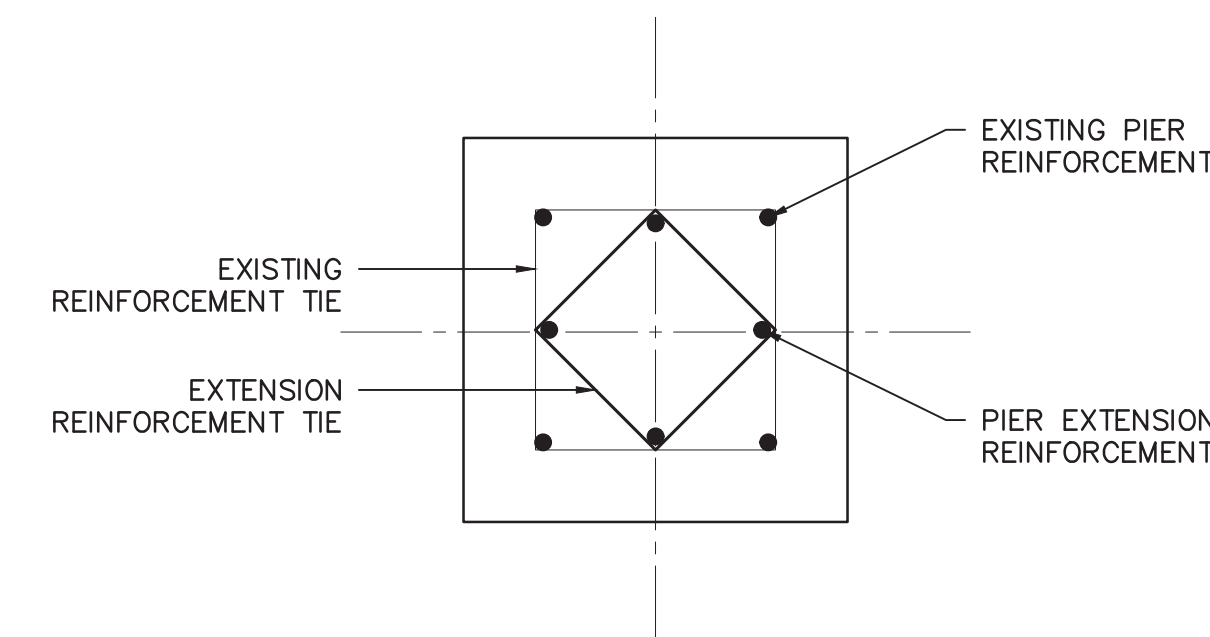


7 CONTROL JOINT DETAIL  
S-3.4 N.T.S.

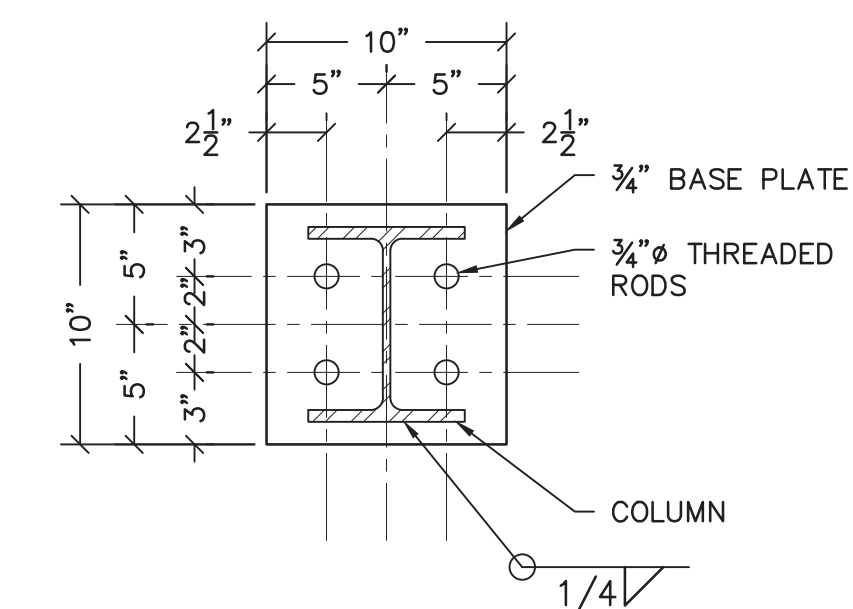


1 PIER EXTENSION DETAIL \*  
S-3.4 SCALE: 1"=1'-0"

\* APPLIES ONLY TO COLUMNS A-4, A-5, A-6, A-7, & A-8



3 PIER EXTENSION DETAIL  
S-3.4 SCALE: 1-1/2"=1'-0"



4 BASE PLATE DETAIL  
S-3.4 SCALE: 1-1/2"=1'-0"



**REMINGTON & VERNICK ENGINEERS**  
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Certification of Authorization: 24 GA 28003300  
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Jacqueline D. Trovato  
DATE: 04-20-2026  
**JACQUELINE D. TROVATO**  
NJ PROFESSIONAL ENGINEER LIC. No. 51944

DATE: 04-20-2026  
**CHRISTOPHER M. KELLER**  
NJ PROFESSIONAL ENGINEER LIC. No. 57572

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

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NO.	REVISION	DATE	BY/CHK

**SECTIONS AND DETAILS**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
BUHLINGTON COUNTY  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
MLM	JS	CK / JDT	AS NOTED
DATE:	SHEET No.:		
03.25.2026	S-3.4		
JOB No.:			
03131287			



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*Christopher M. Keller*  
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**CHRISTOPHER M. KELLER**  
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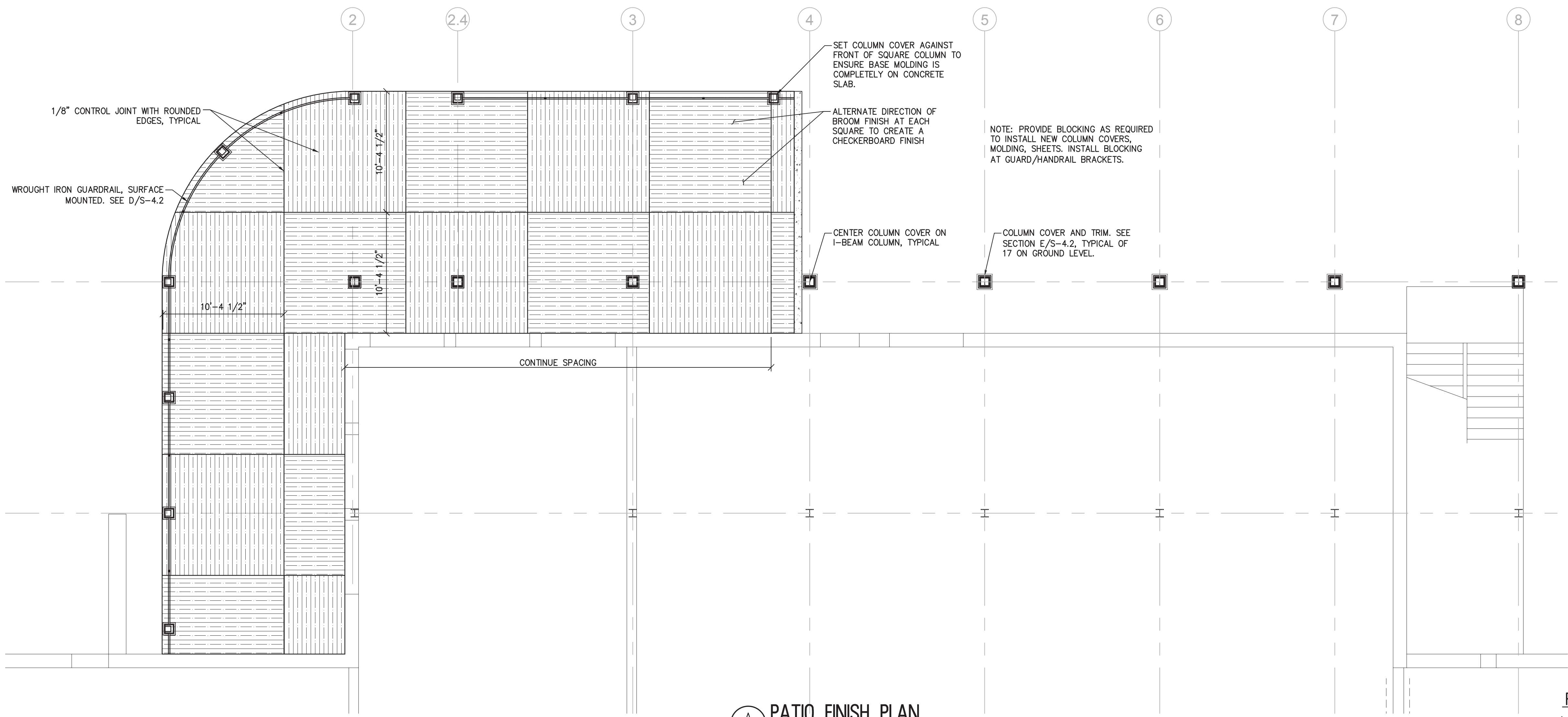
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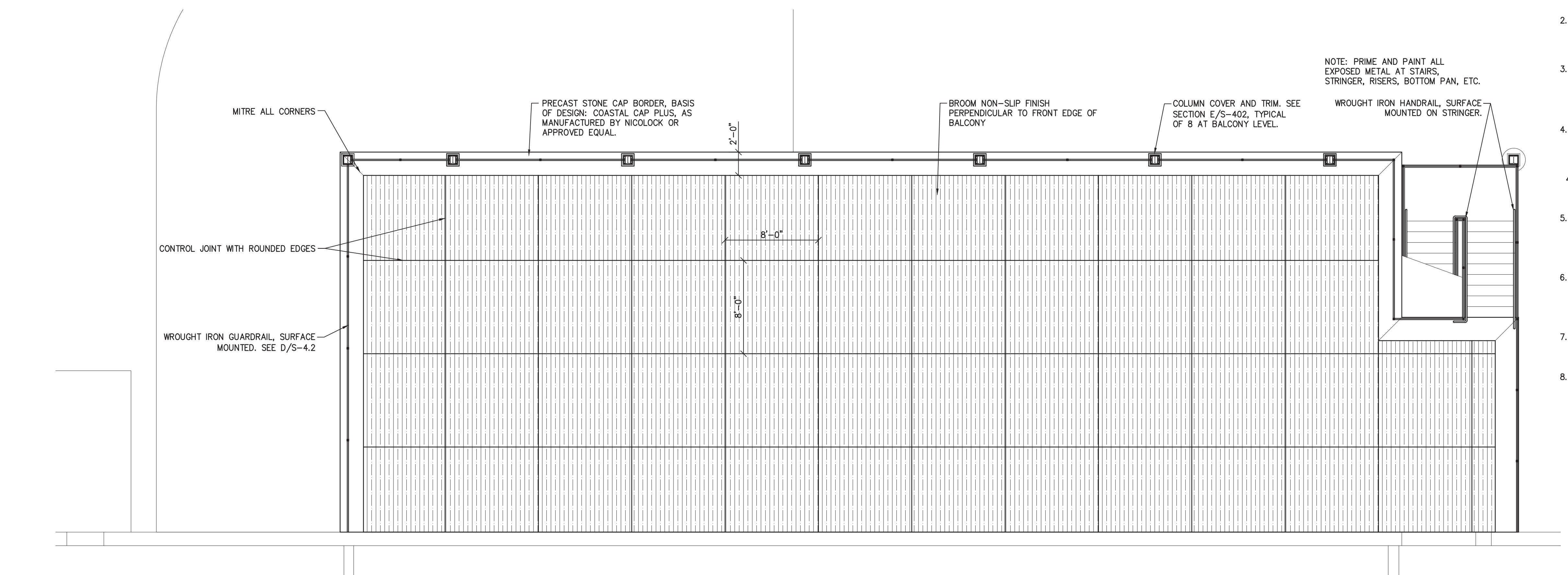
No.	REVISION	DATE	BY

**FINISH FLOOR PLANS**  
 EVESHAM TOWNSHIP  
**INDIAN SPRING CLUBHOUSE**  
**BALCONY AND CANOPY RENOVATIONS**  
 EVESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

DATE	SHEET No.
03.25.2026	S-4.1
JOB No.:	03131287



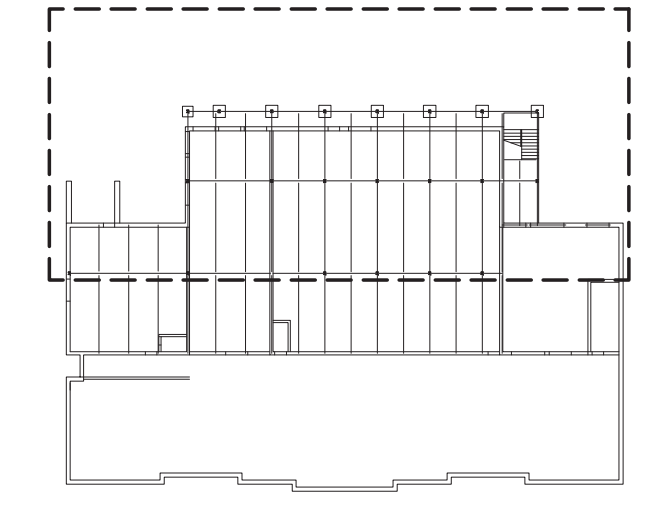
**A PATIO FINISH PLAN**  
 SCALE: 3/16"=1"



**B BALCONY FINISH FLOOR PLAN**  
 SCALE: 3/16"=1"

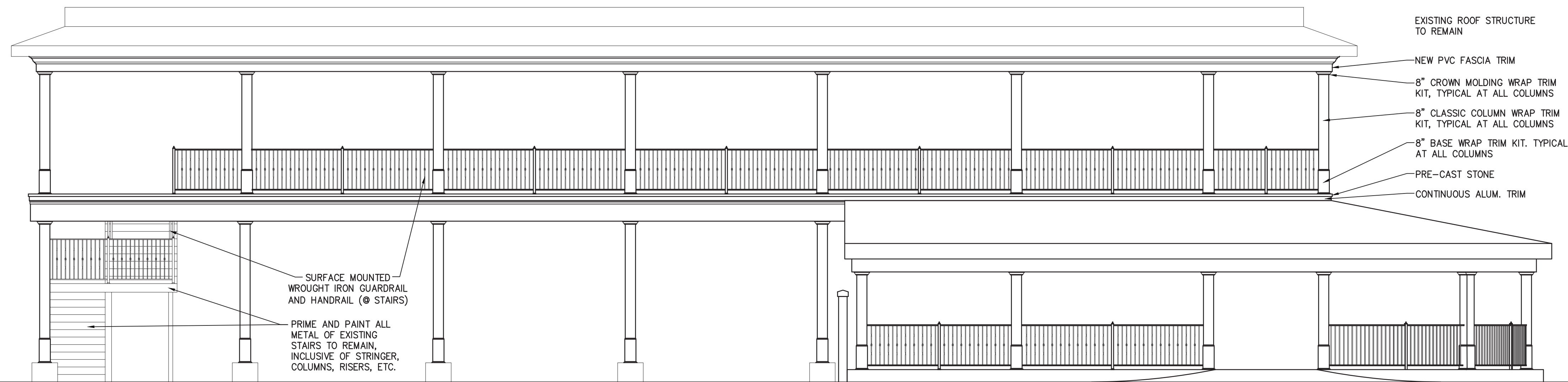
**FINISH GENERAL NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE AND OBLIGATED TO SUCCESSFULLY COMPLETE ALL OF THE WORK SHOWN ON THE ARCHITECTURAL PLANS AND TO COMPLETE EACH AND EVERY NECESSARY DETAIL OF EVERY ITEM SPECIFIED AND / OR IS REQUIRED TO COMPLETE THE SPECIFIED WORK REGARDLESS OF WHETHER OR NOT A DETAIL IS SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY MATERIALS. ANY DISCREPANCIES DUE TO FAILURE OF DIMENSION CONFIRMATION SHALL BE RECTIFIED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT ALL ADJACENT SURFACES, MATERIALS, AND FIXED EQUIPMENT OR FURNISHINGS. IF DAMAGED IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO EXISTING CONDITION AND/OR REPLACE AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL REPAIR, PATCH, PRIME AND PAINT ALL SURFACES DAMAGED, REQUIRED TO BE REMOVED AND/OR EXPOSED DURING CONSTRUCTION, REGARDLESS IF NOTED ON PLANS, ELEVATIONS AND DETAILS AT NO ADDITIONAL COST TO THE OWNER.
- ALL PATCHING AND PAINTING SHALL BE UNDETECTABLE TO EXISTING ADJACENT SURFACES. PAINTING ENTIRE WALL, CORNER TO CORNER, IS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- ALL CONCRETE SURFACES SHALL BE SEALED AFTER FINAL BROOMED FINISH. BASIS OF DESIGN: SX5000 WB DEEP PENETRATING SILANE SILOXANE CONCRETE SEALER AND MASONRY WATER REPELLENT, AS MANUFACTURED BY FOUNDATION ARMOR, OR APPROVED EQUAL. <https://www.foundationarmor.com/>
- CONTRACTOR SHALL CAREFULLY REMOVE, SALVAGE AND STORE EXISTING DOWNSPOUTS FOR REINSTALLATION. PROVIDE NECESSARY BLOCKING BEHIND/WITHIN COLUMN COVER TO SUPPORT COVER AND DOWNSPOUTS. DOWNSPOUT LOCATIONS SHALL BE COORDINATED WITH THE STORMWATER DRAWINGS.
- PVC TRIM, COLUMN COVERS, SHEETS, ETC. SHALL BE CELLULAR PVC AS MANUFACTURED BY VERSATEX, OR APPROVED EQUAL. SEE PLANS AND SECTIONS FOR ITEM CALLOUTS. <https://versatex.com/>
- CONTRACTOR SHALL CAULK AT ALL TRIM, COLUMN COVER, ETC. MEETING POINTS TO ENSURE WEATHER TIGHT CONDITIONS. CAULK COLOR SHALL MATCH ADJACENT SURFACES.



KEY PLAN

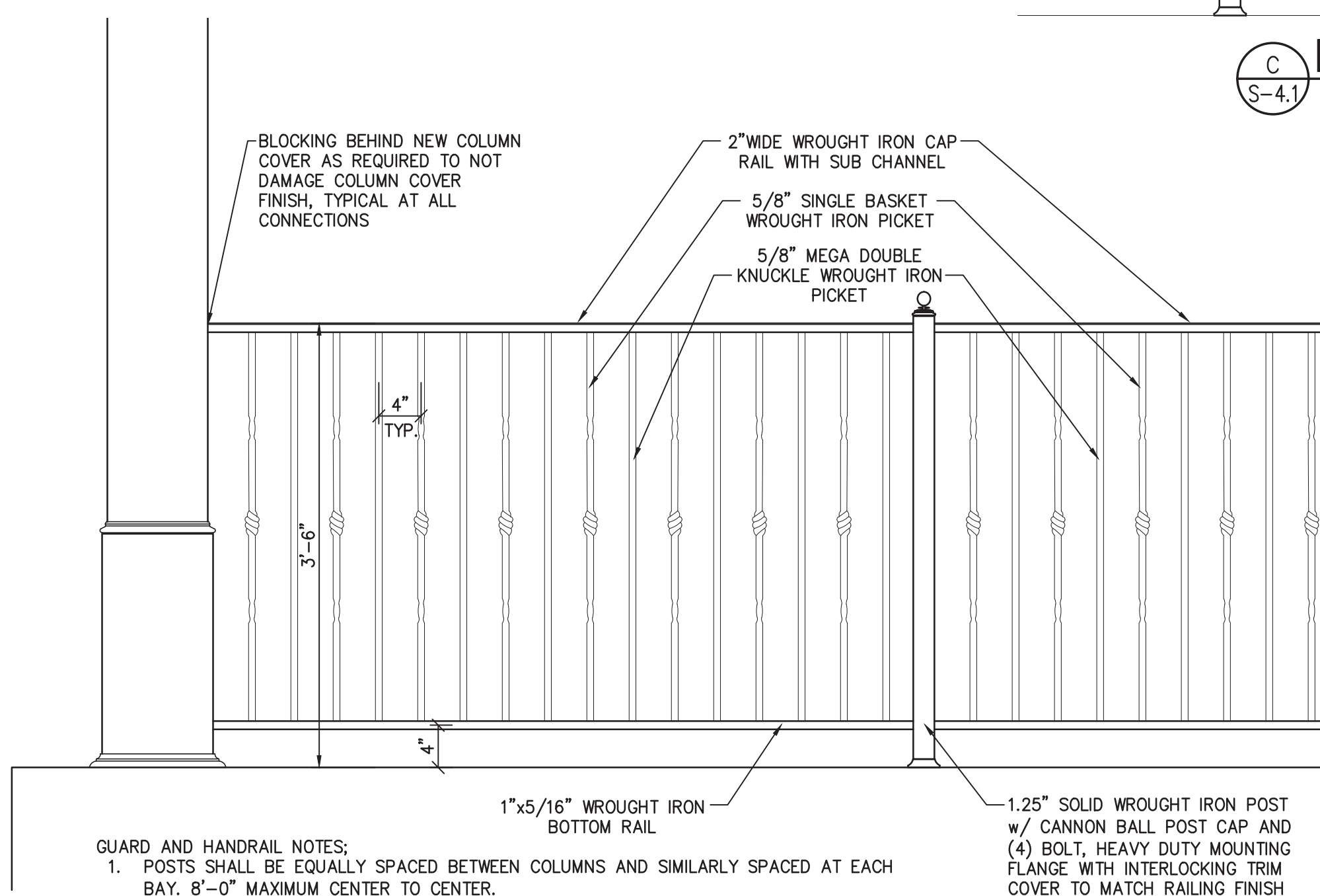
Z:\Sheet 1\Projects\03\_Con\03\_Burlington\03\_Evesham\14\_Net\1287\_Indian Spring Clubhouse Renovations\02\_Drafting\02\_Construction\02\_CADD\02\_Arch\03131287\_Finish Floor Plans.dwg, 4/20/2026, 10:42:22 AM



**A BALCONY ELEVATION**  
SCALE: 3/16" = 1'-0"

**FINISH GENERAL NOTES**

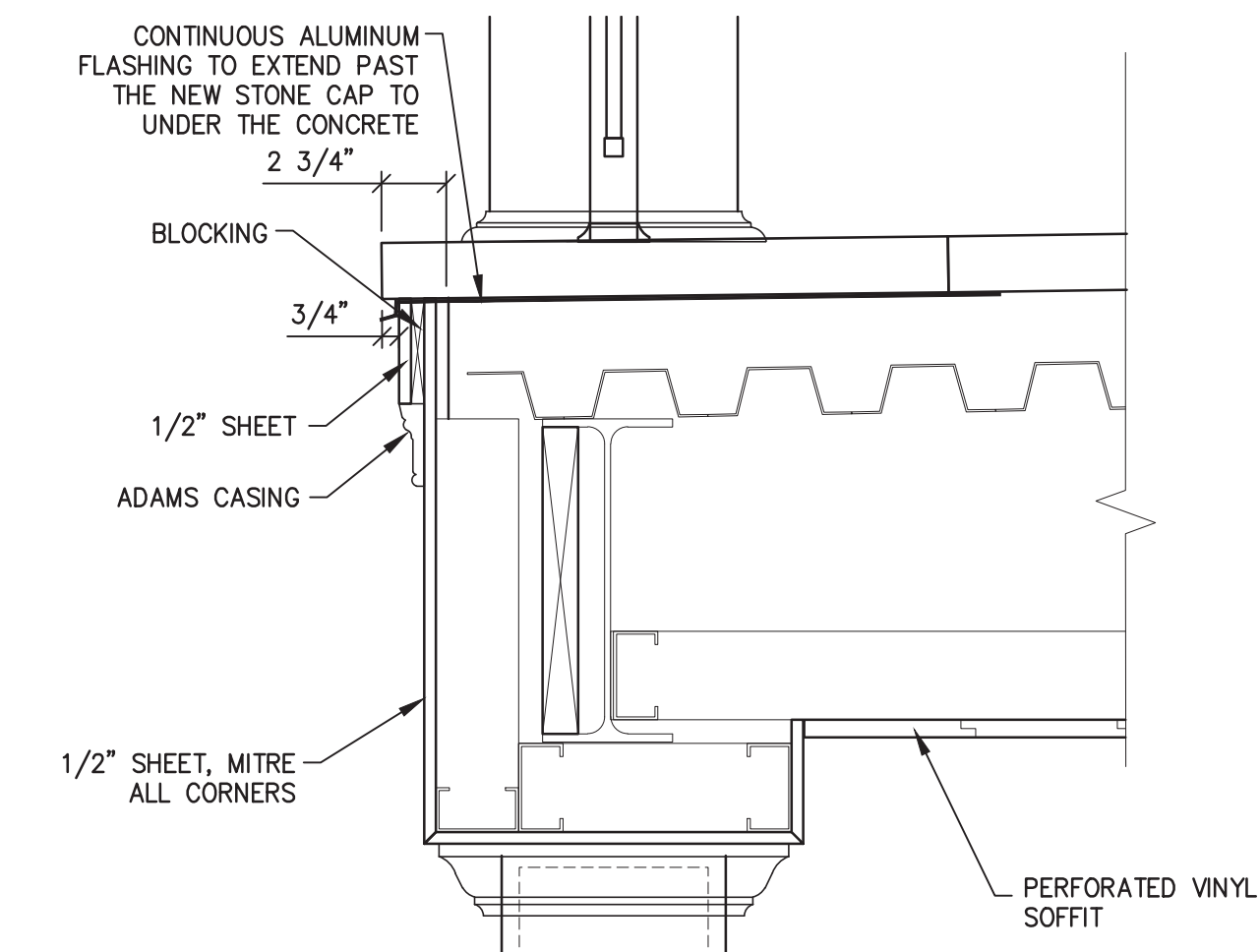
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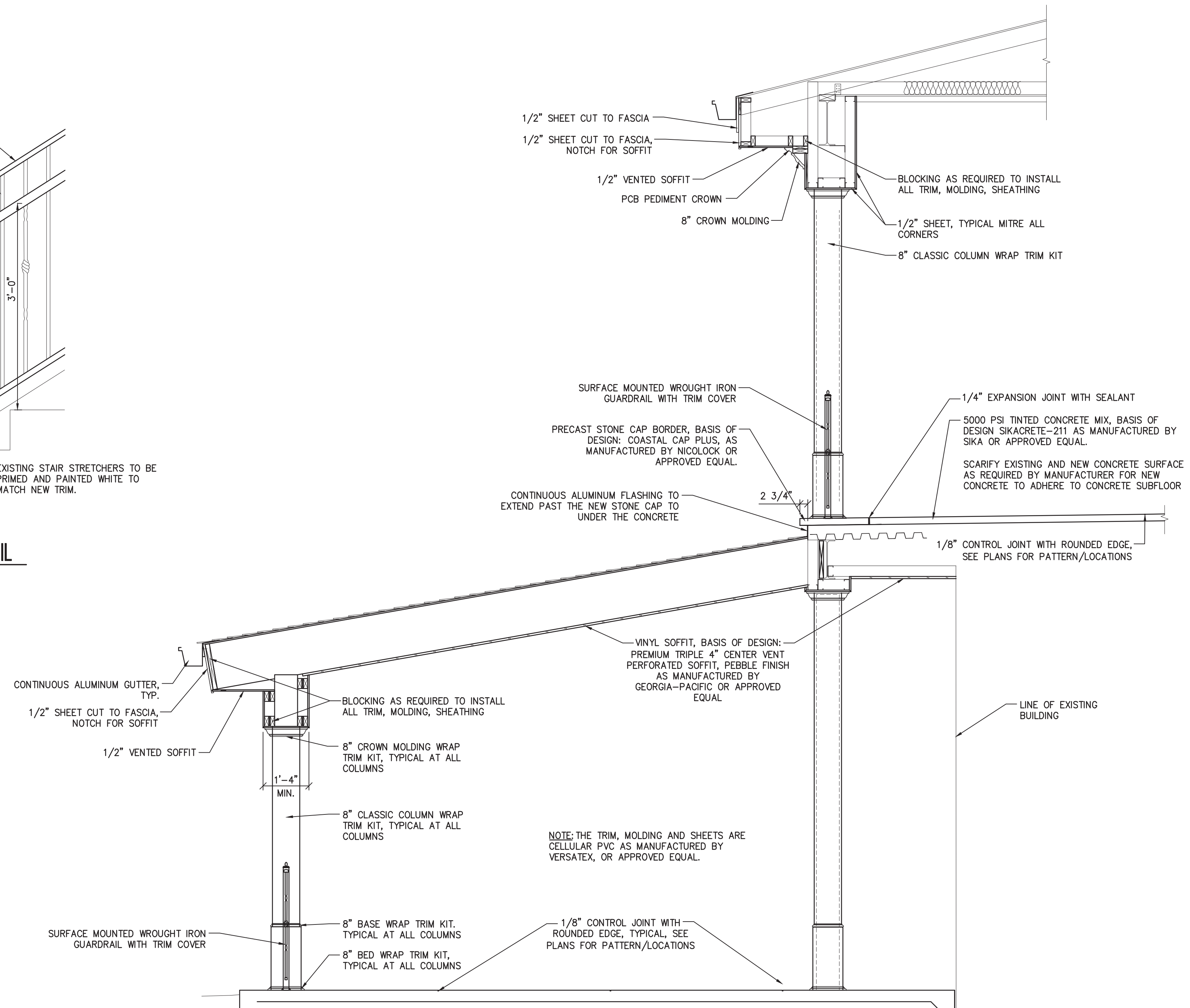
**C HANDRAIL DETAIL**  
SCALE: 3/8" = 1'-0"

- GUARD AND HANDRAIL NOTES:**
- POSTS SHALL BE EQUALLY SPACED BETWEEN COLUMNS AND SIMILARLY SPACED AT EACH BAY. 8'-0" MAXIMUM CENTER TO CENTER.
  - HANDRAIL AT STAIRS SHALL BE CONTINUOUS AT SWITCHBACK AND SHALL EXTEND 1'-0" PAST THE LAST TREAD AND RETURN TO ITSELF AT BOTH THE TOP AND BOTTOM OF THE STAIRS.
  - BASIS OF DESIGN: MACARO IRON WORKS, OR APPROVED EQUAL. 205 BROOKS BLVD, MANVILLE, NJ 08835, (908)349-1079.

**D GUARDRAIL DETAIL**  
SCALE: 1" = 1'-0"



**B FRIEZE FINISH DETAIL**  
SCALE: 3/8" = 1'-0"



**E FINISH SECTION**  
SCALE: 1/2" = 1'-0"



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DATE: 04-20-2026  
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DATE: 04-20-2026  
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NO.	REVISION	DATE	BY	CHK

**FINISH DETAILS**  
EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
BUHLINGTON COUNTY  
EVESHAM TOWNSHIP  
NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
MLM	JS	CK / JDT	AS NOTED
DATE:	SHEET No.:		
03.25.2026	S-4.2		
JOB No.:	03131287		

## GENERAL NOTES

(ALL GENERAL NOTES, SYMBOLS & ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT)

- EXAMINE JOB SITE AND VERIFY ALL SITE CONDITIONS PRIOR TO SIGNING CONTRACT. BRING ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE ACTUAL FIELD CONDITIONS TO THE ATTENTION OF THE ENGINEER.
  - THE LOCATION OF EXISTING UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES UNLESS OTHERWISE INDICATED.
  - THE DRAWINGS ARE DIAGRAMMATIC. COORDINATE IN THE FIELD, WITH ALL TRADES, THE EXACT LOCATION OF EQUIPMENT, FIXTURES, VALVES, THERMOSTATS, ETC. AND ROUTING OF PIPING, DUCTWORK, CONDUIT, ETC.
  - PERFORM WORK IN ACCORDANCE WITH RULES, REGULATIONS, STANDARDS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES HAVING JURISDICTION AND BE RESPONSIBLE FOR COMPLIANCE THEREWITH.
  - OBTAIN ALL NECESSARY APPROVALS, PERMITS AND INSPECTIONS. PAY ALL ASSOCIATED FEES.
  - GUARANTEE ALL SYSTEMS AND WORK FOR A PERIOD OF TWO (2) YEARS FROM DATE OF FINAL ACCEPTANCE. GUARANTEE REFRIGERATION COMPRESSORS FOR FIVE (5) YEARS.
  - BEFORE STARTING FABRICATION/ WORK SUBMIT TO ENGINEER FOR APPROVAL SIX (6) COMPLETE SETS OF SHOP DRAWINGS AND PRODUCT DATA FROM MANUFACTURERS, SUPPLIERS, ETC.
  - ALL MATERIALS SHALL BE NEW AND OF COMMERCIAL GRADE AND BEAR THE UNDERWRITER'S LABEL WHERE APPLICABLE.
  - LOCATE ALL EXISTING UTILITIES AND MAKE SERVICEABLE CONNECTIONS TO SAME.
  - OBTAIN APPROVAL FROM THE BUILDING OWNER'S REPRESENTATIVE PRIOR TO ANY INTERRUPTION OF BUILDING SYSTEMS. COORDINATE ACCEPTABLE WORKING HOURS WITH SAME.
  - REMOVE ALL ABANDONED EQUIPMENT, FIXTURES, DUCTWORK, PIPING, CONDUIT, ETC. CAP ALL PIPING ABANDONED IN WALLS.
  - ALL CUTTING AND PATCHING IS BY RESPECTIVE CONTRACTORS. CORE DRILL OR SAW CUT ALL MASONRY AND RESTORE ALL SURFACES TO ORIGINAL CONDITION. PAINTING AND FINISHING ARE BY THE GENERAL CONTRACTOR.
  - PIPING AND SPECIALTIES
    - ALL PIPING SHALL CONFORM TO THE REQUIREMENTS OF THE ANSI SAFETY CODE AND BE FREE FROM ALL DEFECTS.
    - PROVIDE SLEEVES FOR PIPING THROUGH MASONRY, FIRE RATED WALLS AND SMOKE PARTITIONS. SLEEVES SHALL BE 22 GAUGE OR HEAVIER STEEL, SCHEDULE 40 IN BEARING WALLS. SIZE SLEEVES TO ACCOMMODATE PIPE INSULATION WHERE APPLICABLE. PROVIDE UL LISTINGS FOR SLEEVE PACKING.
    - PROVIDE PIPE HANGERS TO SUPPORT PIPING FROM BUILDING STRUCTURE TO MAINTAIN REQUIRED SLOPE, PROVIDE FOR EXPANSION AND CONTRACTION, ISOLATE VIBRATION AND RELIEVE EQUIPMENT AND SPECIALTIES FROM STRAIN. SPACE HANGERS ACCORDING TO APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
    - IDENTIFY ALL PIPING WITH SEMIRIGID OR ADHESIVE PLASTIC INDICATION MARKERS, EXCEPT WITH INACCESSIBLE CHASES. MARKERS SHALL SHOW DIRECTION OF FLOW. MARKERS SHALL BE LOCATED NEXT TO EACH VALVE, AT EACH BRANCH, ON BOTH SIDES OF PIPE PASSAGE THROUGH WALLS AND ON ALL HORIZONTAL PIPING AT 20' MAXIMUM INTERVALS.
    - ROUTE ALL PIPING CONCEALED IN WALLS, ABOVE CEILING AND BELOW FLOOR UNLESS OTHERWISE NOTED. RUN PARALLEL WITH BUILDING LINES.
    - PROVIDE DRAIN VALVES & PLUGS AT ALL LOW POINTS SUCH THAT PIPING SYSTEMS CAN BE DRAINED. PROVIDE MANUAL AIR VENT VALVES AT ALL HIGH POINTS IN THE SYSTEM.
    - PROVIDE BACKFLOW PREVENTION DEVICES AT ALL EQUIPMENT AS REQUIRED BY CODE. UNLESS STATED OTHERWISE PROVIDE CHECK VALVE AND SHUT-OFF VALVE BOTH RATED FOR 250' DOWN STREAM OF BACKFLOW PREVENTER ON MAKE UP WATER LINE FOR HYDRONIC HEATING HOT WATER SYSTEMS.
    - PROVIDE DIELECTRIC UNIONS AT ALL JUNCTIONS OF DISSIMILAR METALS.
    - ALL SHUTOFF VALVES, CONTROL VALVES, ETC. ARE FULL LINE SIZE UNLESS OTHERWISE NOTED.
    - INSTALL PIPING ON WARM SIDE OF BUILDING INSULATION. DO NOT INSTALL PIPING WHERE SUBJECT TO FREEZING.
    - ALL PIPING INSULATION SHALL BE CONTINUOUS THROUGH WALLS AND CEILING OPENINGS, SLEEVES AND PIPE HANGERS.
    - TEST ALL PIPING IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, AND INSPECTOR'S REQUIREMENTS PRIOR TO INSULATION OR ENCLOSURE.
  - BALANCE ALL HYDRONIC DEVICES FOR FLOW RATES NOTED ON DRAWINGS. PROVIDE BALANCING REPORT TO ENGINEER.
  - UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) ONE AND A HALF (1-1/2") INCH THICK LAYER OF PREFORMED MINERAL FIBER PIPE INSULATION WITH PREFORMED MINERAL FIBER FITTINGS ON ALL DOMESTIC HOT AND COLD WATER PIPING, HYDRONIC HEATING AND CHILLED WATER SUPPLY AND RETURN PIPING, REFRIGERANT PIPING AND CONDENSATE DRAIN PIPING. INCLUDE A FIELD APPLIED FOIL AND PVC JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY.
  - UNLESS STATED OTHERWISE ALL UNDERGROUND PIPING SHALL BE INSTALLED WITH POLYETHYLENE ENCASUREMENT (PE) FOR CORROSION RESISTANCE.
  - UNLESS STATED OTHERWISE, ALL FUEL GAS VENT PIPING TO BE SA-53GB CARBON STEEL. ALL VENT PIPING TO BE PRIMED AND FINISH PAINTED IN A COLOR ACCEPTABLE TO THE OWNER.
- DUCTWORK AND SPECIALTIES
    - ALL DUCTWORK TO BE IN ACCORDANCE WITH S.M.A.C.N.A. "H.V.A.C. DUCT CONSTRUCTION STANDARDS", LATEST EDITION. PRESSURE CLASS "B".
    - ALL DUCTWORK TO BE CONSTRUCTED OF GALVANIZED SHEETMETAL.
    - PROVIDE 45 DEGREE COLLARS TO ALL BRANCH CONNECTIONS. PROVIDE TURNING VANES AT ALL ELBOWS 12"x6" OR LARGER. PROVIDE STANDARD RADIUS ELBOWS AT ALL ELBOWS SMALLER THAN 12"x6".
    - PROVIDE ALL VOLUME DAMPERS REQUIRED TO BALANCE THE SYSTEMS. INSTALL VOLUME DAMPERS AT BRANCH TAKE-OFFS FROM TRUNK.
    - PROVIDE CURTAIN TYPE FIRE DAMPERS WHEREVER DUCT PENETRATES FIRE RATED PARTITIONS. UNITS SHALL PROVIDE NOT LESS THAN 90% FREE AREA. PROVIDE ACCESS DOORS AT ALL FIRE DAMPERS.
    - TEST DUCT SYSTEMS FOR AIR TIGHTNESS AND ABSENCE OF AUDIBLE LEAKS BEFORE ENCLOSURE.
    - BALANCE ALL AIR DEVICES FOR AIR QUANTITIES NOTED ON DRAWINGS. PROVIDE BALANCING REPORT TO ENGINEER.
    - FLEXIBLE DUCTS: ALL FLEXIBLE DUCTS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE.
    - COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
    - PROVIDE FIRE DAMPERS IN THE DUCTWORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND THE CONTRACT DOCUMENTS.
    - UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO AND ONE HALF (2-1/2") INCH THICK LAYER OF MINERAL FIBER BLANKET INSULATION ON ALL NEW INDOOR ROUND AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR, AND OUTDOOR AIR DUCTWORK. INCLUDE A FIELD APPLIED PAPER AND FOIL JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY.
    - UNLESS STATED OTHERWISE IN THE CONTRACT SPECIFICATIONS, PROVIDE A MINIMUM OF ONE (1) TWO (2") INCH THICK LAYER OF MINERAL FIBER BOARD INSULATION ON ALL NEW OUTDOOR ROUND AND RECTANGULAR SUPPLY AIR, EXHAUST AIR, RETURN AIR AND OUTDOOR AIR DUCTWORK. INCLUDE A WEATHERPROOF FIELD APPLIED 22 GAUGE ALUMINUM JACKET WITH VAPOR RETARDER AS PART OF THE INSULATION ASSEMBLY. COORDINATE FINISH COLOR OF EXTERIOR JACKET WITH THE OWNER.
  - UNLESS OTHERWISE NOTED ALL EXPOSED SUPPLY, RETURN AND EXHAUST AIR DUCTWORK SHALL BE PRIMED AND PAINTED. COLOR TO BE DETERMINED BY THE ENGINEER/ OWNER.
- EQUIPMENT
    - VERIFY ALL ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
    - ALL MECHANICAL EQUIPMENT AND APPLIANCE INSTALLATIONS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, AS WELL AS WITH MANUFACTURER'S RECOMMENDATIONS.
    - ALL ELECTRICAL POWER WIRING IS BY ELECTRICAL CONTRACTOR. ALL CONTROL WIRING IS BY RESPECTIVE CONTRACTOR.
    - PROVIDE OWNER WITH OPERATION AND MAINTENANCE MANUALS FOR INSTALLED EQUIPMENT. INCLUDE CONTRACTOR'S, SUPPLIER'S AND MANUFACTURER'S NAMES, ADDRESS AND TELEPHONE NUMBERS.
    - SUPPLY STARTERS AND DISCONNECTS WITH EQUIPMENT.
    - PROVIDE CONCRETE PADS FOR FLOOR MOUNTED EQUIPMENT. PADS SHALL BE A MINIMUM 4" HIGH AND SHALL EXTEND 6" BEYOND EQUIPMENT ON ALL SIDES.
    - LABELING: ALL MECHANICAL EQUIPMENT AND APPLIANCES SHALL BEAR LABELING IN COMPLIANCE WITH THE LATEST VERSION OF THE INTERNATIONAL MECHANICAL CODE.
    - UNLESS NOTED OTHERWISE, ALL HYDRONIC SYSTEMS BOILER/ CHILLED WATER SHALL BE PROVIDED WITH A NEW BLADDER TYPE EXPANSION TANK AS REQUIRED. TANK TO BE SIZED FOR EACH SYSTEM BASED UPON TANK MANUFACTURER'S RECOMMENDATIONS.
    - UNLESS OTHERWISE NOTED CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL PROPYLENE GLYCOL ANTI FREEZE FOR ALL HYDRONIC HEATING AND COOLING SYSTEMS. THE CONTRACTOR SHALL SUPPLY A 35% CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR CHILLED WATER COOLING SYSTEMS AND A 25% CONCENTRATION OF PROPYLENE GLYCOL IN SOLUTION FOR HOT WATER HEATING SYSTEMS. PROPYLENE GLYCOL ANTI FREEZE SHALL BE COMPATIBLE WITH ALL MATERIALS OF THE HYDRONIC SYSTEM (PIPING, VALVES, PUMPS, CHILLER, BOILER, ETC.) AS WELL AS ALL TERMINAL EQUIPMENT.

- AUTOMATIC TEMPERATURE AND SAFETY CONTROLS
  - PROVIDE ALL WIRING, RELAYS, CONTACTS, TRANSFORMERS, ETC. REQUIRED TO DELIVER A COMPLETE OPERABLE SYSTEM.
  - THERMOSTATS SHALL BE 24 HOUR/7 DAY PROGRAMMABLE WITH FAN "OFF/ON/AUTO" AND SYSTEM "HEAT/COOL/AUTO/OFF" SWITCHES. VERIFY OPERATION OF ALL FUNCTIONS.
- FIRE PROTECTION
  - THE QUANTITY AND LOCATION OF SPRINKLERS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND INTENDED FOR SCHEMATIC PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING AND COMMISSIONING ALL NECESSARY SPRINKLERS, PIPE, EQUIPMENT AND APPURTENANCES NECESSARY, IN FULL ACCORDANCE WITH THE NFPA AND APPROVED BY THE ENGINEER AND ALL AUTHORITIES HAVING JURISDICTION.
  - THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE DETAILED DESIGN DRAWINGS, HYDRAULIC CALCULATIONS, PIPING, FITTINGS, SPRINKLERS, ALARM AND MONITORING DEVICES, SIGNAGE AND APPURTENANCES COMPLETE AND IN FULL ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND NFPA 13 & 14. ALL WIRING OF DEVICES SHALL BE DONE BY ELECTRICAL CONTRACTOR.
  - ALL SPRINKLER HEADS SHALL BE LOCATED AT THE CENTER POINT OF ALL ACOUSTICAL CEILING TILES.
- ALL EXISTING PLUMBING, HVAC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE EITHER EXPOSED OR CONCEALED AND THAT INTERFERE WITH ALTERED EXISTING BUILDING ARRANGEMENTS AND NEW SYSTEMS SHALL BE REMOVED, RELOCATED, REROUTED, OR ABANDONED. DRAWINGS GENERALLY INDICATE MAJOR ITEMS OF EXISTING MATERIALS AND EQUIPMENT THAT ARE AFFECTED. IT IS NOT POSSIBLE TO INDICATE ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS; HOWEVER, THEIR REMOVAL, RELOCATION, REROUTING AND ABANDONMENT SHALL ALSO BE INCLUDED IN THIS WORK.
- EXISTING CONCEALED PLUMBING, HVAC AND ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE TO REMAIN BUT BECOME EXPOSED DUE TO RENOVATION WORK, SHALL BE RELOCATED AND RECONNECTED AS PART OF THIS WORK.
- PLUMBING DRAWINGS ARE DIAGRAMMATIC. ALL DEVICES & FITTINGS MAY NOT BE SHOWN ON THE DRAWINGS FOR CLARITY. PROVIDE CLEANOUTS NEAR THE BASE OF ALL VERTICAL WASTE & STORM WATER STACKS IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL STANDARD PLUMBING CODE.
- GUARDS SHALL BE PROVIDED WHERE APPLIANCES, EQUIPMENT, FANS OR OTHER COMPONENTS THAT REQUIRE SERVICE AND ROOF HATCH OPENINGS ARE LOCATED WITHIN 12 FEET OF A ROOF EDGE OR OPEN SIDE OF A WALKING SURFACE AND SUCH EDGE OR OPEN SIDE IS LOCATED MORE THAN 30 INCHES ABOVE THE FLOOR, ROOF OR GRADE BELOW. THE GUARD SHALL EXTEND NOT LESS THAN 30 INCHES BEYOND EACH END OF SUCH APPLIANCES, EQUIPMENT, FANS, COMPONENTS AND ROOF HATCH OPENINGS AND THE TOP OF THE GUARD SHALL BE LOCATED NOT LESS THAN 42 INCHES ABOVE THE ELEVATED SURFACE ADJACENT TO THE GUARD. THE GUARD SHALL BE CONSTRUCTED SO AS TO PREVENT THE PASSAGE OF A 21 INCH-DIAMETER SPHERE AND SHALL COMPLY WITH THE LOADING REQUIREMENTS FOR GUARDS SPECIFIED IN THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE.
- PROVIDE FOR ALL MECHANICAL EQUIPMENT - FAN AND MOTOR PULLEYS, SHEAVES, BELTS AND LABOR REQUIRED TO BALANCE THE NEW AND EXISTING MECHANICAL EQUIPMENT TO THE SPECIFIED SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR FLOWS. SHOW ON DRAWINGS AT NO ADDITIONAL COST TO THE OWNER. THE TESTING, ADJUSTING AND BALANCING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED PULLEYS, SHEAVES AND BELTS EVEN IF THEY ARE NOT PROVIDED WITH THE EQUIPMENT BY THE MANUFACTURER.
- UNLESS OTHERWISE NOTED CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL ALL CONNECTION/ TRANSITION DUCTS BETWEEN NEW HVAC EQUIPMENT (UNIT VENTILATORS, BLOWER COILS, FAN COILS, AIR HANDLERS, ETC.) AND NEW OR EXISTING OUTSIDE AIR LOUVERS. CONTRACTOR IS ALSO RESPONSIBLE FOR REINFORCING ANY OUTSIDE AIR LOUVER OPENING THAT IS CREATED OR ENLARGED TO ACCOMMODATE THE NEW INSTALLATION.
- UNLESS SPECIFICALLY DIRECTED OTHERWISE THE CONTRACTOR SHALL SUBMIT PRE-DEMOLITION/ PRE-CONSTRUCTION VIDEOS AND/OR PHOTOGRAPHS OF THE EXISTING CONDITIONS IN THE PROPOSED AREA OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF DEMOLITION/ CONSTRUCTION WORK.

## MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR	LRG	LINEAR RETURN GRILLE
ADJ.	ADJACENT	LSR	LINEAR SUPPLY REGISTER
AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED DAMPER
AHU	AIR HANDLER UNIT	MH	MANHOLE
AP	ACCESS PANEL	MSP	MOP SERVICE BASIN
B	BOILER	MUA	MAKE-UP AIR UNIT
BFF	BELOW FINISHED FLOOR	MV	MIXING VALVE (THERMOSTATIC)
BFP	BACKFLOW PREVENTOR	NC	NORMALLY CLOSED
BOD	BOTTOM OF DUCT	NO	NORMALLY OPEN
BOL	BOTTOM OF LOUVER	NTS	NOT TO SCALE
C	CONDENSATE	OA	OUTSIDE AIR
CA	COMPRESSED AIR	P	PUMP
CD	CEILING DIFFUSER	RA	RETURN AIR
CEG	CEILING EXHAUST GRILLE	RD	ROOF DRAIN
CER	CEILING EXHAUST REGISTER	RH	RADIANT HEATER
CFH	CUBIC FEET PER HOUR	RHP	REDUCED PRESSURE BACKFLOW PREVENTOR
CFM	CUBIC FEET PER MINUTE	RWC	RAIN WATER CONDUCTOR
CI	CAST IRON	S	SINK/SANITARY PIPING
CO	CLEANOUT	S=02'	SLOPE
COG	CLEANOUT ON GRADE	SA	SUPPLY AIR
COND	CONDENSATE PIPING	SD	SPLITTER DAMPER
CONT	CONTINUOUS	SH	SHOWER
CRG	CEILING RETURN GRILLE	SP	SPRINKLER PIPING
CRR	CEILING RETURN REGISTER	SS	SOIL STACK
CSV	CIRCUIT SETTER VALVE	ST	STORM PIPING
CT	COOLING TOWER	STM	STEAM PIPING
CTR	COOLING TOWER RETURN	SV	STACK VENT
CTS	COOLING TOWER SUPPLY	SW	SAFEMASTE
CJ	CONDENSING UNIT	T	TUB
CUH	CABINET UNIT HEATER	TAG	TRANSFER AIR GRILLE
CWS	COLD WATER SUPPLY	TOD	TOP OF DUCT
CWS/R	CONDENSER WATER SUPPLY/RETURN	TP	TRAP PRIMER
DF	DRINKING FOUNTAIN	TR	TRANSITION
DFU	DRAINAGE FIXTURE UNITS	TWR	TEMPERED WATER RETURN
DN	DOWN	TWS	TEMPERED WATER SUPPLY
EA	EXHAUST AIR	Typ	TYPICAL
EBBH	ELECTRIC BASEBOARD HEATER	UH	UNIT HEATER
EF	EXHAUST FAN	URINAL	URINAL
EWC	ELECTRIC WATER COOLER	V	VENT PIPING
EMH	ELECTRIC WATER HEATER	VAV	VARIABLE AIR VOLUME
EX	EXISTING	VV	VOLUME DAMPER
FC	FLEXIBLE CONNECTION/FAN COIL	VF	VERIFY IN FIELD
FCO	FLOOR CLEANOUT	VS	VENT STACK
FD	FLOOR DRAIN	VTR	VENT THRU ROOF
FRG	FLOOR RETURN GRILLE	WC	WATER CLOSET
FRR	FLOOR RETURN REGISTER	WCO	WALL CLEANOUT
G	GAS PIPING	WEG	WALL EXHAUST GRILLE
GV	GRAVITY VENTILATOR	WER	WALL EXHAUST REGISTER
HB	HOSE BIBB	WHA	WATER HAMMER ARRESTOR
HD	HAND DAMPER	WHY	WALL HYDRANT
HP	HEAT PUMP	WMS	WIREMESH SCREEN
HW	HOT WATER	WRG	WALL RETURN GRILLE
HWC	HANDICAPPED WATER CLOSET	WRR	WALL RETURN REGISTER
HWG	HOT WATER GENERATOR	WSFU	WALL SUPPLY FIXTURE UNIT
HWH	HOT WATER HEATER	WSG	WALL SUPPLY GRILLE
HWR	HOT WATER RETURN	WSR	WALL SUPPLY REGISTER
HWS	HOT WATER SUPPLY		
HX	HEAT EXCHANGER		
L	LOUVER		
LAV	LAVATORY		
LBG	LINEAR BAR GRILLE		
LD	LINEAR DIFFUSER		
LF	LINEAR FEET		

## PROPOSED MECHANICAL SYMBOLS

	EQUIPMENT MARK (TYPE FC, NUMBER 1)		PUMP		METER (SEE CONNECTED PIPING FOR TYPE OF SERVICE)
	SECTION INDICATOR (SECTION B2 ON DWG. --)		CLEANOUT		CHAIN OPERATOR
	DETAIL INDICATOR (DETAIL B2 ON DWG. --)		FLOOR DRAIN WITH P-TRAP		MOTOR OPERATOR
	KEY NOTE INDICATOR (REFERS TO NOTES ON SAME SHEET)		FUNNEL DRAIN		FLOAT
	REVISIONS INDICATOR		TRAP		DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER WITH GATE VALVES
	PIPE RISER (RISER HWS-11 ON DWG. --)		HOSE BIBB		REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH GATE VALVES
	DUCT RISER (RISER E-1 ON DWG. --)		FROSTPROOF HOSE BIBB		REDUCED PRESSURE ZONE BACKFLOW PREVENTER WITH BALL VALVES
	DIFFUSER/REGISTER/GRILLE MARK (TYPE A, 150 CFM, DIRECTION) DOOR UNDERCUT		WATER HAMMER ARRESTOR		DOUBLE CHECK VALVE TYPE BACKFLOW PREVENTER WITH BALL VALVES
	TRANSFER AIR		PITCH PIPE DOWN IN DIRECTION OF ARROW		SUCTION DIFFUSER
	DIAMETER		TEE TURN UP		PIPE ANCHOR
	CONNECTION TO EXISTING		PIPE TURNED UP		PIPE GUIDE
	POINT OF DISCONNECTION		PIPE TURNED DOWN		UNION
	FLAT OVAL DUCT DIMENSION		KEY SWITCH		VACUUM BREAKER
	INSIDE DUCT DIMENSION (IN INCHES, FIRST DIMENSION IS AS VIEWED)		BUSHING		CAP AND VALVED
	SOUND LINED DUCTWORK		FLEXIBLE PIPE CONNECTION		CONCENTRIC REDUCER
	SUPPLY DUCT TURNED UP		MANUAL AIR VENT		ECCENTRIC REDUCER STRAIGHT INVERT
	SUPPLY DUCT TURNED DOWN		CONCEALED SPRINKLER HEAD		ECCENTRIC REDUCER STRAIGHT CROWN
	RETURN/EXHAUST DUCT TURNED UP		PENDANT SPRINKLER HEAD		CONDENSER WATER SUPPLY PIPE
	RETURN/EXHAUST DUCT TURNED DOWN		UPRIGHT SPRINKLER HEAD		CONDENSER WATER RETURN PIPE
	SQUARE ELBOW (WITH TURNING VANES)		SIDEWALL SPRINKLER HEAD		CONDENSATE WATER PIPING
	ROUND ELBOW		REFRIGERANT SUCTIION ROUTE		COMPRESSED AIR PIPE
	SPIN-IN WITH VOLUME DAMPER FOR ROUND DUCT		REFRIGERANT LIQUID ROUTE		VACUUM PIPE
	TAKE OFF WITH VOLUME DAMPER FOR RECTANGULAR DUCT		DOMESTIC COLD WATER PIPE		NATURAL GAS PIPING
	OPEN END DUCT WITH VMS		BLIND FLANGE END CONNECTION		ACID WASTE PIPING
	FLEXIBLE DUCTWORK (SINGLE LINE)		LOCK SHIELD GATE VALVE		FUEL OIL PIPING
	FLEXIBLE DUCTWORK (DOUBLE LINE)		GLOBE VALVE		
	SUPPLY DIFFUSER		ANGLE GLOBE VALVE		
	SUPPLY AIR DIFFUSER WITH 3 DIRECTION DISCHARGE (BLACK TRIANGLE INDICATED BLANK OFF)		PLUG VALVE		
	RETURN/EXHAUST REGISTER OR GRILLE		OS & Y GATE VALVE		
	SLOT DIFFUSER WITH PLENUMS		2-WAY CONTROL VALVE		
	EXHAUST FAN		3-WAY CONTROL VALVE		
	ELECTRIC BASEBOARD		PRESSURE RELIEF VALVE		
	VOLUME DAMPER (MANUAL)		TEMPERATURE & PRESSURE RELIEF VALVE		
	BACKDRAFT DAMPER		CALIBRATED BALANCE VALVE		
	FIRE DAMPER		AUTOMATIC FLOW CONTROL VALVE		
	MOTORIZED DAMPER		SWING CHECK VALVE		
	MOTORIZED SMOKE/FIRE DAMPER		SPRING LOADED CHECK VALVE		
	CARBON MONOXIDE SENSOR		ALARM CHECK VALVE		
	THERMOSTAT		COMBINATION CHECK/BALANCE/SHUT OFF VALVE		
	HUMIDISTAT		NEEDLE VALVE		
	SENSOR		PRESSURE REGULATOR		
	DUCT DETECTOR		BACK PRESSURE REGULATOR		
	BALL VALVE		DIAPHRAGM VALVE		
	BUTTERFLY VALVE		SOLENOID VALVE		
	GATE VALVE		FLOW SWITCH		
	EMERGENCY BOILER SHUTOFF		PRESSURE SWITCH		
	SOUND ATTENUATOR		VALVE MONITOR SWITCH		
	PRESSURE/TEMPERATURE TEST PLUG		STRAINER		
	PRESSURE GAUGE		BLOW-OFF STRAINER		
	GAUGE/COCK		DOMESTIC HOT WATER PIPE		
	THERMOMETER		DOMESTIC HOT WATER RETURN PIPE		
	PRESSURE TEMPERATURE TAP		SANITARY SEWER		
	EXISTING HYDRONIC CONTROL VALVE		SANITARY SEWER BELOW GRADE OR SLAB		
	HOSE BIBB DRAIN VALVE		STORM SEWER		
	INSULATED PIPE		STORM SEWER BELOW GRADE OR SLAB		
	VERTICAL VALVE		PLUMBING VENT		
	CIRCUIT SETTER		DRAIN PIPE		
	FLOW METER (MAGNETIC)		FIRE PROTECTION PIPE		
	FLOW METER (VENTURI)		CHEMICAL FEED PIPE		
	BALL JOINT		EXPANSION TANK PIPE		
			HEATING HOT WATER SUPPLY PIPE		
			HEATING HOT WATER RETURN PIPE		
			CHILLED WATER SUPPLY PIPE		
			CHILLED WATER RETURN PIPE		



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# ELECTRICAL SYMBOLS

(ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT)

	2'x4' LED LIGHT FIXTURE (A - INDICATES FIXTURE TYPE)
	2'x4' EMERGENCY LED LIGHT FIXTURE (AE - INDICATES FIXTURE TYPE)
	2'x2' LED LIGHT FIXTURE
	2'x2' EMERGENCY LED LIGHT FIXTURE
	5'x4' LED LIGHT FIXTURE
	5'x4' EMERGENCY LED LIGHT FIXTURE
	DOWNLIGHT LIGHT FIXTURE
	EMERGENCY DOWNLIGHT LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED EMERGENCY LIGHT FIXTURE
	EXIT SIGN (SHADED AREA INDICATES FACE) (ARROW INDICATES DIRECTION) (XW - WALL MOUNTED) (XC - CEILING MOUNTED)
	COMBINATION EXIT SIGN W/ DUAL REMOTE HEADS
	DUAL HEAD EMERGENCY BATTERY BACKUP
	DUAL REMOTE HEADS
	SWITCH, SINGLE POLE TOGGLE
	SWITCH, 3-WAY TOGGLE
	SWITCH, 4-WAY TOGGLE
	SWITCH, DIMMER
	SWITCH, KEY OPERATED
	SWITCH, PILOT LIGHT
	SWITCH, LOW VOLTAGE
	FRACTIONAL HP STARTER
	HOA SELECTOR SWITCH - H - HAND O - OFF A - AUTOMATIC
	OCCUPANCY SENSOR - P - PASSIVE INFRARED U - ULTRASONIC D - DUAL TECHNOLOGY
	SITE LIGHT
	UTILITY POLE
	DAYLIGHT SENSOR
	RECEPTACLE, DUPLEX - (K - KEY LOCKING STEEL COVER) (S - SURGE PROTECTOR) (L - LOCKING COVER) (+ - MOUNT 8" ABOVE COUNTERTOP) (T - TAMPER PROOF) (U - DUPLEX WITH USB PORT)
	RECEPTACLE, QUAD
	RECEPTACLE, SINGLE
	RECEPTACLE, GF1 - (WP-WEATHERPROOF IN-USE COVER)
	RECEPTACLE, EMERGENCY
	RECEPTACLE, SPECIAL (NEMA CONFIGURATION INDICATED)
	RECEPTACLE, DUPLEX FLOOR MOUNT (POKE-THRU)
	RECEPTACLE, CEILING MOUNTED
	FLOOR BOX WITH (2) DUPLEX RECEPTACLES
	DUPLEX RECEPTACLE AND CATV RECEPTACLE
	JUNCTION BOX
	JUNCTION BOX, FLOOR MOUNTED
	JUNCTION BOX, TELEPHONE
	JUNCTION BOX, DATA
	JUNCTION BOX, TELEPHONE/DATA
	JUNCTION BOX, POWER
	ELECTRIC FLUSH VALVE TRANSFORMER JUNCTION BOX - ABOVE CEILING
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - FLUSH MOUNTED
	CIRCUIT BREAKER IN ENCLOSURE
	CIRCUIT BREAKER
	LOW VOLTAGE DRAWOUT BREAKER
	MEDIUM VOLTAGE DRAWOUT BREAKER
	DELTA CONFIGURATION
	WYE CONFIGURATION
	ELECTRICALLY INTERLOCKED
	ELECTRIC UTILITY METER
	INTERMEDIATE DISTRIBUTION FRAME
	MAIN DISTRIBUTION FRAME
	VARIABLE FREQUENCY DRIVE
	CURRENT TRANSFORMER
	TRANSFORMER
	POTENTIAL TRANSFORMER

	GENERATOR
	MV SWITCH GEAR
	GROUND ROD (10' x 3/4")
	MOTOR
	NON-FUSED DISCONNECT SWITCH - XXX/XXX/XX - INDICATES (RATED FRAME AMPS/VOLTS/# OF POLES)
	FUSED DISCONNECT SWITCH XXX/XXX/XXX/XX - INDICATES (RATED FRAME AMPS/FUSE AMPS/VOLTS/# OF POLES)
	COMBINATION STARTER/DISCONNECT SWITCH
	MAGNETIC STARTER
	KEY OPERATED CONTROL STATION
	MAGNETIC CONTACTOR
	PHOTOCELL
	TIME CLOCK SWITCH
	RELAY
	HAND DRYER
	GROUNDING ELECTRODE
	NON FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	FUSED POTENTIAL TRANSFORMER
	AUTOMATIC TRANSFER SWITCH L - LOAD N - NORMAL POWER E - EMERGENCY POWER
	LIGHTNING ARRESTER
	SURGE PROTECTIVE DEVICE WITH DISCONNECT
	HEAT TRACE CABLING
	RESISTOR TEMPERATURE DEVICE
	EXPOSED RACEWAY
	LOW VOLTAGE WIRING
	CONDUIT CONCEALED IN WALLS OR CEILING
	EMERGENCY CIRCUIT
	CONDUIT CONCEALED IN OR UNDER FLOOR OR UNDERGROUND
	NON-SWITCHED CIRCUIT
	HOMERUN - CIRCUIT & PANEL AS INDICATED (2#12 & 1#12G, 3/4" C, UNLESS OTHERWISE NOTED)
	CONTROLLED CIRCUIT
	CABLE TRAY
	SURFACE RACEWAY, WIREMOLD
	FIRE ALARM PULL STATION
	FIRE ALARM STROBE LIGHT - (XXcd - CANDELA RATING)
	FIRE ALARM SPEAKER (SUBSCRIPT 'C' INDICATE CEILING MOUNTED)
	FIRE ALARM/BELL
	COMBINATION FIRE ALARM SPEAKER/STROBE - (XXcd - CANDELA RATING) (CEILING)
	COMBINATION FIRE ALARM SPEAKER/STROBE - (XXcd - CANDELA RATING)
	FIRE ALARM CODE BLUE
	PHOTO-ELECTRIC TYPE SMOKE DETECTOR
	HEAT DETECTOR (COMBINATION FT/RR U.O.N., AC-ABOVE CEILING.)
	COMBINATION HEAT/SMOKE DETECTOR
	PHOTO-ELECTRIC TYPE DUCT SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	REMOTE ANNUNCIATOR PANEL
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	FIRE ALARM GONG
	FIRE ALARM ANNUNCIATION PANEL
	DIGITAL ALARM COMMUNICATOR TRANSMITTER
	CARBON MONOXIDE TYPE DUCT DETECTOR (WP - WEATHERPROOF)
	CARBON MONOXIDE DETECTOR
	PTZ CAMERA (AUDITORIUM)
	LIGHTING SYSTEM (AUDITORIUM)
	PEOPLE COUNTER SENSOR

## ABBREVIATIONS

%	PERCENT	FU.	FUSE/FUSED
&	AND	G.C.	GENERAL CONTRACTOR
9, PH	PHASE	GA.	GAGE/GAUGE
°	CENTIGRADE DEGREES	GALV.	GALVANIZED
F.	FAHRENHEIT DEGREES	GEN.	GENERATOR
1/C	SINGLE CONDUCTOR	GF1	GROUND FAULT CIRCUIT INTERRUPTER
A.I.C.	AMPERES INTERRUPTING CAPACITY	GRD.	GROUND
A.T.S.	AUTOMATIC TEMPERATURE CONTROL	GRS, GND., G	GALVANIZED RIGID STEEL
A/C	AUTOMATIC TRANSFER SWITCH	GRS, G.R.S.	GENERATOR TRANSFER DEVICE
AC	ALTERNATING CURRENT	GTD	HIGH INTENSITY DISCHARGE
ADDL.	ADDITIONAL	H.P.S.	HAND OFF AUTO
AF	AMPERE FRAME	HEX.	HIGH PRESSURE SODIUM
A-F	AMPERE FUSE	HH	HANDHOLE
AFCl	ARC FAULT CIRCUIT INTERRUPTER	HORIZ.	HORIZONTAL
AFF/A.F.F.	ABOVE FINISHED FLOOR	H.P./HP.	HORSEPOWER
AFG/A.F.G.	ABOVE FINISHED GRADE	HPF	HIGH POWER FACTOR
AHU	AIR HANDLING UNIT	HT	HEIGHT
AL.	ALUMINUM	HW	HOT WATER HEATER
AMP., A.	AMPERE	HZ	HERTZ
APPROX.	APPROXIMATE	IMC	INTERMEDIATE CONDUIT
ARCH.	ARCHITECTURAL	INC.	INCANDESCENT
AT	AMPERE TRIP	INSUL.	INSULATION/INSULATED
AS.	ASYMMETRICAL	ISOL.	ISOLATED
AUX.	AUXILIARY	ISP	INTERNET SERVICE PROVIDER
B.F.C.	BELOW FINISHED CEILING	ISF	INTRINSICALLY SAFE
BKR	BREAKER	IT	INFORMATION TECHNOLOGY
BLDG.	BUILDING	IAP	INTRUSION ALARM PANEL
BSMT.	BASEMENT	IB, J	INTRUSION ALARM KEYPAD
C/C	CONDUIT	K/C	JUNCTION BOX
C OF U/CFU	COEFFICIENT OF UTILIZATION	KV	KILOVOLT
C.T., CT	CURRENT TRANSFORMER	KVAR	KILOVOLT-AMPERE
CB, CIR. BKR., C/B	CIRCUIT BREAKER	KO	KNOCKOUT
CKT., CIR., CIR.	CLOSED CIRCUIT TELEVISION CIRCUIT	KW	KILOWATT
CL.	CEILING	KWH	KILOWATT HOUR
CO./Co.	COMPANY	KHZ	KILOHERTZ
COAX.	COAXIAL CABLE	KV	KILOVOLT
COL.	COLUMN	LG.	LENGTH
COMP.	COMPLETE	LF.	LINEAR FEET
CONC.	CONCRETE	LG.	LONG
CONDR.	CONDUCTOR	LRA	LOCKED ROTOR AMPERES
CONN.	CONNECTED, CONNECTOR	LT.	LIGHT
CONST.	CONSTRUCTION	LTG.	LIGHTING
CONT.	CONTINUATION	M.L.O.	MAIN LUGS ONLY
CONTR.	CONTRACTOR	M/C	MULTI-CONDUCTOR
COORD.	COORDINATE	MANUF., MFR.	MANUFACTURER
CORR.	CORRIDOR	MAX.	MAXIMUM
CPU	CENTRAL PROCESSING UNIT	M.B./MB	MAIN BREAKER
Cu	COPPER	M.C.B./MCB	MAIN CIRCUIT BREAKER
CU	CUBIC FEET	MCC	MOTOR CONTROL CENTER
CW	CLOCKWISE	MCM	THOUSAND CIRCULAR MILLS
DEM	DEMAND	MDM	MAIN DISTRIBUTION SWITCHBOARD
DIA.	DIAMETER	MDF	MAIN DISTRIBUTION PANEL
DISC.	DISCONNECT SWITCH	MECH.	MECHANICAL
DIV.	DIVISION	MET.	METALLIC
DN.	DOWN	MF	MAINTENANCE FACTOR
DPST	DOUBLE POLE SINGLE THROW	MG	MOTOR GENERATOR
DRAW., DWG.	DRAWING	MIN.	MINIMUM
E.C.	ELECTRICAL CONTRACTOR	MISC.	MISCELLANEOUS
E.F., EF	EXHAUST FAN	MTD.	MOUNTED
E.H.	ELECTRIC HEATER	MTG.	MOUNTING
E.P.R.	ETHYLENE PROPYLENE RUBBER	NC	NORMAL CLOSED
E.A.	EACH	NEC/N.E.C.	NATIONAL ELECTRICAL CODE
E.H.	ELECTRIC HEATER	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOC.
E.P.R.	ETHYLENE PROPYLENE RUBBER	N.I.C./NIC	NOT IN CONTRACT
E.A.	EACH	NO	NORMALLY OPEN
EHT	ELECTRIC HEAT TRACING CABLE	No., #	NUMBER
ELEC. CLO.	ELECTRICAL CLOSET	N.T.S./NTS	NOT TO SCALE
ELEC./ELECT.	ELECTRIC	NL	NIGHT LIGHT CIRCUIT
ELEV./EL.	ELEVATION/ELEVATOR	N.F.	NON FUSED
EM	EMERGENCY POWER PACK COMPLETE	P	POLE
EMT	ELECTRICAL METALLIC TUBING	PC	PHOTOCELL
ENCL.	ENCLOSURE	P.I.L.C.	PAPER INSULATED LEAD COVERED
ENT.	ENTRANCE	PB, P	PULL BOX, BREAKER OR SWITCH POLE
EMERG. EQUIP.	EMERGENCY EQUIPMENT	PNL	PANELBOARD
EST.	ESTIMATE	PORC.	PORCELAIN
EXT.	EXISTING	PRI.	PRIMARY
E.O.	EXTERNAL/EXTERIOR	POE	POWER OVER ETHERNET
F.A.C.P.	FIRE ALARM CONTROL PANEL	PFD.	PAINTED
F.E.	FIRE EXTINGUISHER	POLYVINYLCHLORIDE	POLYVINYLCHLORIDE
F.O.	FIBER OPTIC	R	RADIUS
FDN.	FOUNDATION	RAP	REMOTE ANNUNCIATOR PANEL
FIG.	FIGURE	R.C.S.W.	REMOTE CONTROL SWITCH
FIN.	FINISH/FINISHED	REB.	REINFORCING BAR
FIXT.	FIXTURE	REC.	RECESSED, RECEPTACLE
FL.	FLOOR	RECP.T.	RECEPTACLES REQUIRED
FLA	FULL LOAD AMPERES	REV.	REVISE/REVISION
FLEX.	FLEXIBLE	RF	RADIO FREQUENCY
F.L.M.C.	FLEXIBLE LIQUIDTIGHT METALLIC CONDUIT	RGS	REMOTE GENERATOR ANNUNCIATOR
FLUOR.	FLUORESCENT	RM.	RIGID GALVANIZED STEEL CONDUIT
FC	FOOTCANDLE	RT	ROOFTOP
FT	FAULT TRIP	S.F.	SQUARE FEET
FT.	FEET	S.S.	STAINLESS STEEL
		SEC.	SECONDARY
		SECT.	SECTION
		SERV.	SERVISE
		SHT.	SHEET

## STANDARD MOUNTING HEIGHTS

MOUNTING HEIGHTS FOR EQUIPMENT SHALL BE AS LISTED BELOW UNLESS OTHERWISE SPECIFICALLY LABELED. (UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO THE CENTERLINE OF BOXES.)	
SWITCHES	3'-8" A.F.F.
TELEPHONE - WALL TYPE	3'-8" A.F.F.
TELEPHONE - DESK TYPE	1'-6" A.F.F.
RECEPTACLE - GENERAL OFFICE	1'-6" A.F.F.
RECEPTACLE - MECHANICAL ROOMS	3'-0" A.F.F.
FIRE ALARM GONG OR SPEAKER	6'-8" TO BOTTOM OF GONG OR SPEAKER
FIRE ALARM PULL STATION	3'-8" A.F.F. TO CENTER OF PULL
FIRE ALARM STROBE LIGHT	6'-8" A.F.F. TO BOTTOM OF STROBE
MOTION SENSOR	6'-5" A.F.F.
PANELBOARDS	6'-0" TO TOP OF CIRCUIT BREAKER MAX.
EXIT LIGHT	ABOVE DOORS (MIN. 7'-6" A.F.F. CLEAR)
KEY PAD (REMOTE)	3'-8" A.F.F.
DATA OUTLET	1'-6" A.F.F.
VOLUME CONTROL/CALL SWITCH	3'-8" A.F.F.
TIMER (NON-ADA)	4'-6" A.F.F.

## WIRE & CONDUIT SIZING SCHEDULE

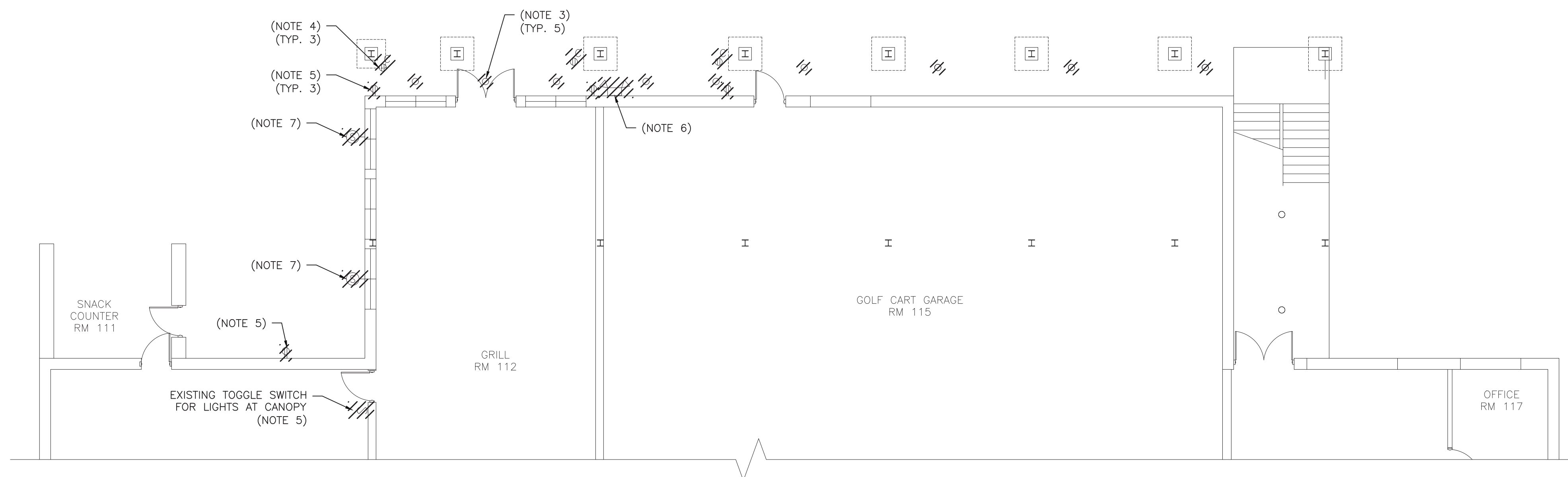
CKT. TYPE	WIRE SIZE (AWG/KCMIL)		NO. OF WIRES & CONDUIT SIZE IN INCHES			
	CONDUCTOR & NEUTRAL	EQUIPMENT GROUND	SUPPLY SIDE BONDING JUMPER	A 2W+G	B 3W+G	C 4W+G
1	14	14	8	3/4	3/4	3/4
2	12	12	8	3/4	3/4	3/4
3	10	10	8	3/4	3/4	3/4
4	8	10	8	3/4	3/4	3/4
5	6	10	8	3/4	1	1
6	4	10	8	1-1/4	1-1/4	1-1/4
7	4	8	8	1	1-1/4	1-1/4
8	3	8	8	1-1/4	1-1/4	1-1/4
9	2	8	8	1-1/4	1-1/4	1-1/2
10	1	6	6	1-1/4	1-1/2	2
11	1	6	6	1-1/4	1-1/2	2
12	1/0	6	6	1-1/2	2	2
13	2/0	6	4	2	2	2
14	3/0	6	4	2	2	2-1/2
15	4/0	2	2	2	2-1/2	2-1/2
16	250 KCMIL	2	2	2	2-1/2	2-1/2
17	300 KCMIL	2	2	2	2-1/2	2-1/2
18	350 KCMIL	2	2	2	2-1/2	3
19	400 KCMIL	1/0	1/0	2	2-1/2	3
20	500 KCMIL	1/0	1/0	2-1/2	3	3-1/2
21	(2) 4/0	(2) 2	(2) 1/0	---	(2) 2	(2) 2-1/2
22	(2) 250 KCMIL	(2) 2	(2) 1/0	---	(2) 2	(2) 2-1/2
23	(2) 350 KCMIL	(2) 1	(2) 2/0	---	(2) 2-1/2	(2) 3
24	(2) 500 KCMIL	(2) 1/0	(2) 2/0	---	(2) 3	(2) 3-1/2
25	(3) 300 KCMIL	(3) 1/0	(3) 2/0	---	(3) 2-1/2	(3) 3
26	(3) 400 KCMIL	(3) 2/0	(3) 2/0	---	(3) 3	(3) 3
27	(3) 500 KCMIL	(3) 3/0	(3) 2/0	---	(3) 3	(3) 3-1/2
28	(4) 350 KCMIL	(4) 3/0	(4) 2/0	---	(4) 2-1/2	(4) 3
29	(4) 500 KCMIL	(4) 4/0	(4) 2/0	---	(4) 3	(4) 3-1/2
30	(5) 400 KCMIL	(5) 4/0	(5) 2/0	---	(5) 3	(5) 3
31	(5) 500 KCMIL	(5) 250	(5) 2/0	---	(5) 3	(5) 3-1/2
32	(6) 400 KCMIL	(6) 250	(6) 2/0	---	(6) 3	(6) 3-1/2
33	(7) 500 KCMIL	(7) 350	(7) 2/0	---	(7) 3	(7) 3-1/2
34	(8) 500 KCMIL	(8) 400	(8) 2/0	---	(8) 3	(8) 3-1/2

THE ABOVE SCHEDULE IS BASED ON 600 VOLT WIRE TYPE 90°C THHN/THWN/XHHW. THE FOLLOWING IS A SAMPLE OF WIRE AND CONDUIT READOUT FROM ABOVE SCHEDULE:

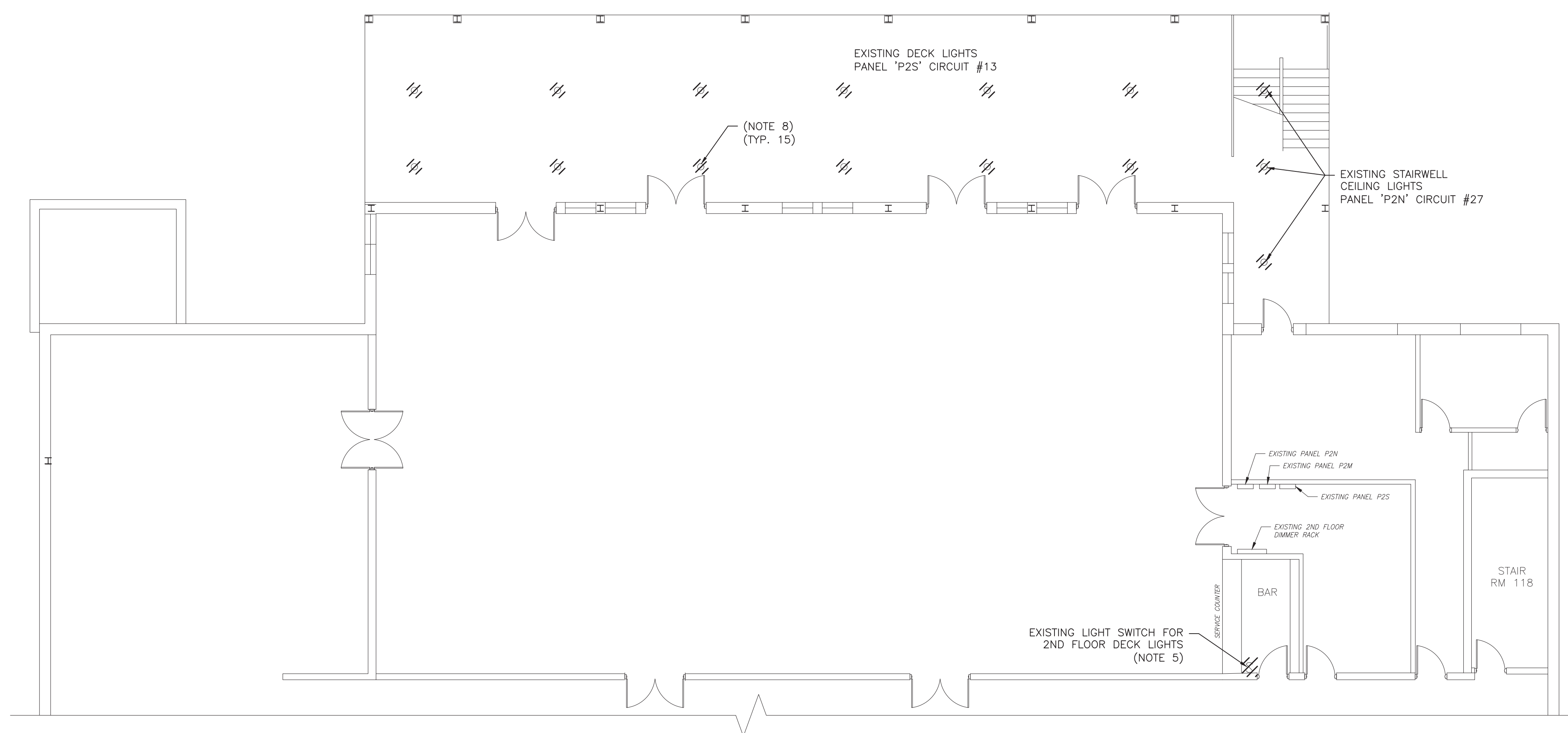
(2) = (2)#12AWG, (1)#12GRD IN 3/4" C.

## GENERAL NOTES

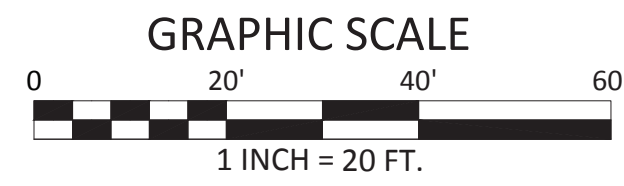
- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, THE SPECIFICATIONS FOR GROUNDING, THE CONTRACT DRAWINGS, FEDERAL, STATE AND LOCAL CODES AND TO THE SATISFACTION OF THE ENGINEER. ALL GROUNDING CONNECTIONS TO BE MADE BY THE CADWELD PROCESS OR EQUAL.
- ALL CONDUITS AND ELECTRICAL EQUIPMENT ARE SHOWN DIAGRAMMATICALLY AND MAY BE ALTERED TO SUIT FIELD CONDITIONS PENDING ENGINEER'S APPROVAL.
- ALL PLANS ELEVATIONS AND CLEARANCES SHALL BE CHECKED IN THE FIELD PRIOR TO INSTALLATION TO AVOID ALL OBSTRUCTIONS.
- ALL JUNCTION BOXES SHALL BE OF SUFFICIENT SIZE TO PROVIDE FREE SPACE FOR ALL CONDUCTORS ENCLOSED IN THE BOX AND SHALL BE SIZED WITH THE LATEST N.E.C. ARTICLE 314.
- ALL DIMENSIONS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- CONTRACTOR SHALL CHECK FOR OBSTRUCTIONS AND CLEAN OUT ALL CONDUITS PRIOR TO PULLING IN CABLES.
- PHASING OF ALL ELECTRICAL CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE MADE IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY REQUIREMENTS.
- ALL HOLES THROUGH STRUCTURE TO ACCOMMODATE ELECTRICAL CON



**1 ELECTRICAL DEMOLITION 1ST FLOOR PLAN**  
SCALE: 1/8"=1'-0"



**2 ELECTRICAL DEMOLITION 2ND FLOOR PLAN**  
SCALE: 1/8"=1'-0"



**DEMOLITION NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS ARE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
3. DEMOLISH EXISTING SOFFIT LIGHTS IN ITS ENTIRETY BACK TO SOURCE. MAINTAIN AND EXTEND EXISTING CIRCUITING IF CIRCUIT SUPPORTS OTHER ITEMS.
4. DEMOLISH EXISTING CEILING RECEPTACLES IN ITS ENTIRETY BACK TO SOURCE. MAINTAIN AND EXTEND EXISTING CIRCUITING IF CIRCUIT SUPPORTS OTHER ITEMS.
5. DEMOLISH EXISTING WIRING DEVICES IN ITS ENTIRETY BACK TO SOURCE. MAINTAIN AND EXTEND EXISTING CIRCUITING IF CIRCUIT SUPPORTS OTHER ITEMS.
6. DEMOLISH EXISTING WALL PACK EMERGENCY LIGHT EXTEND CONTROL WIRING TO NEXT EMERGENCY LIGHT.
7. CAREFULLY REMOVE AND SALVAGE EXISTING WALL SPEAKERS. CONTINUE/EXTEND CABLING TO NEXT SPEAKER. RETURN SPEAKERS TO OWNER.
8. DEMOLISH EXISTING PATIO AND STAIRWELL CEILING LIGHTS. MAINTAIN EXISTING LIGHTING CIRCUIT FOR NEW REPLACEMENT LIGHTS. PATCH/REPAIR RELATED CEILING PANELS AS REQUIRED.

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

No.	REVISION	DATE	BY	CHK

**ELECTRICAL DEMOLITION PLAN**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
EVESHAM TOWNSHIP BURLINGTON COUNTY NEW JERSEY

DRAWN BY: D.M.	DESIGN BY: K.M.	CHECKED BY:	SCALE: AS NOTED
DATE: 01-2026	SHEET No.:	E-1.1	
JOB No.:	03131287		



**REMINGTON & VERNICK ENGINEERS**  
 2059 SPRINGDALE ROAD  
 CHERRY HILL, NJ 08003  
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 WEB ADDRESS : RVE.COM  
 Certification of Authorization: 24 GA 28003300  
**Excellence • Innovation • Service**

DATE: 04-17-2026  
**KAVAN R. SMITH**  
 NJ PROFESSIONAL ENGINEER LIC. No. 56794

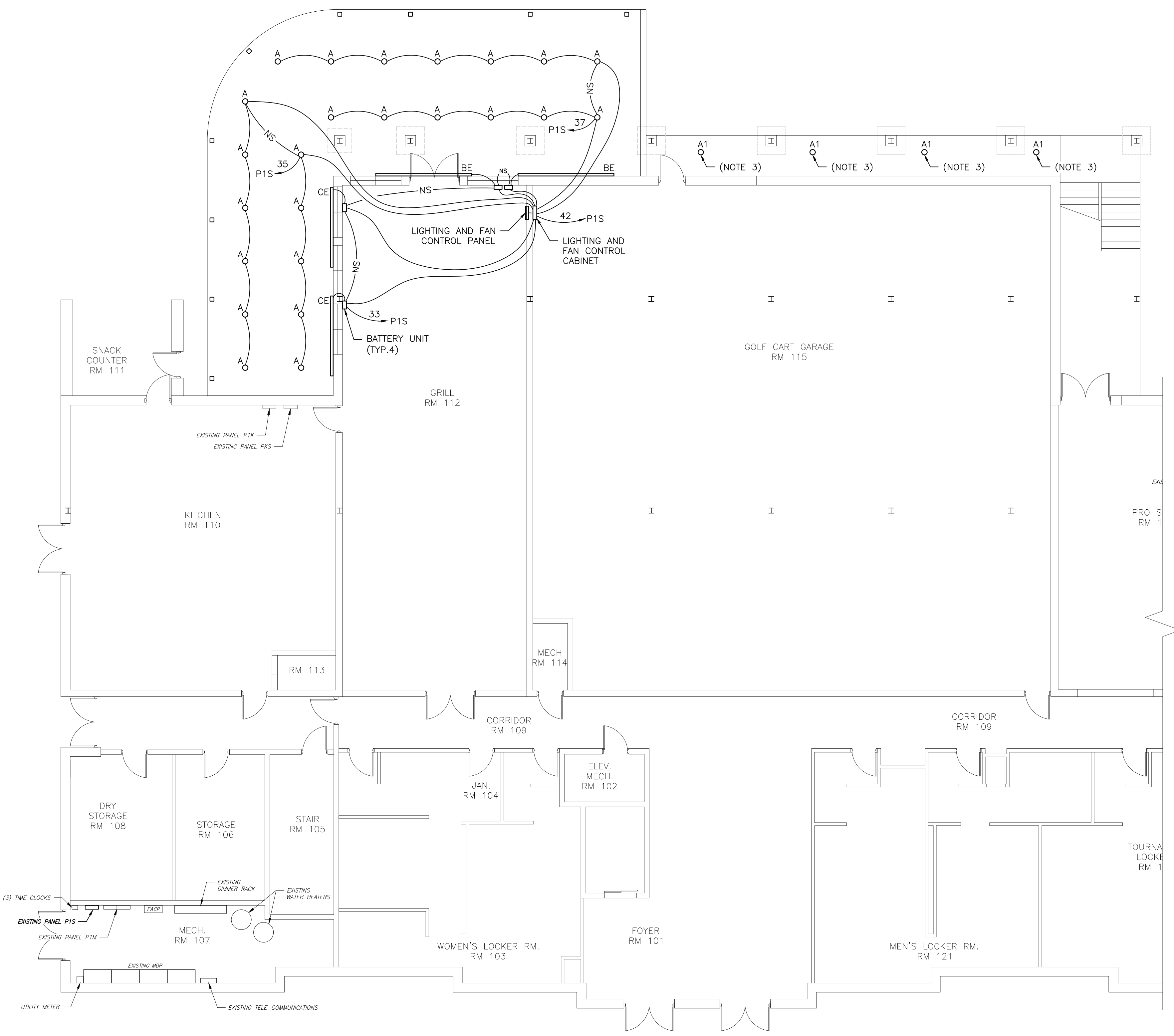
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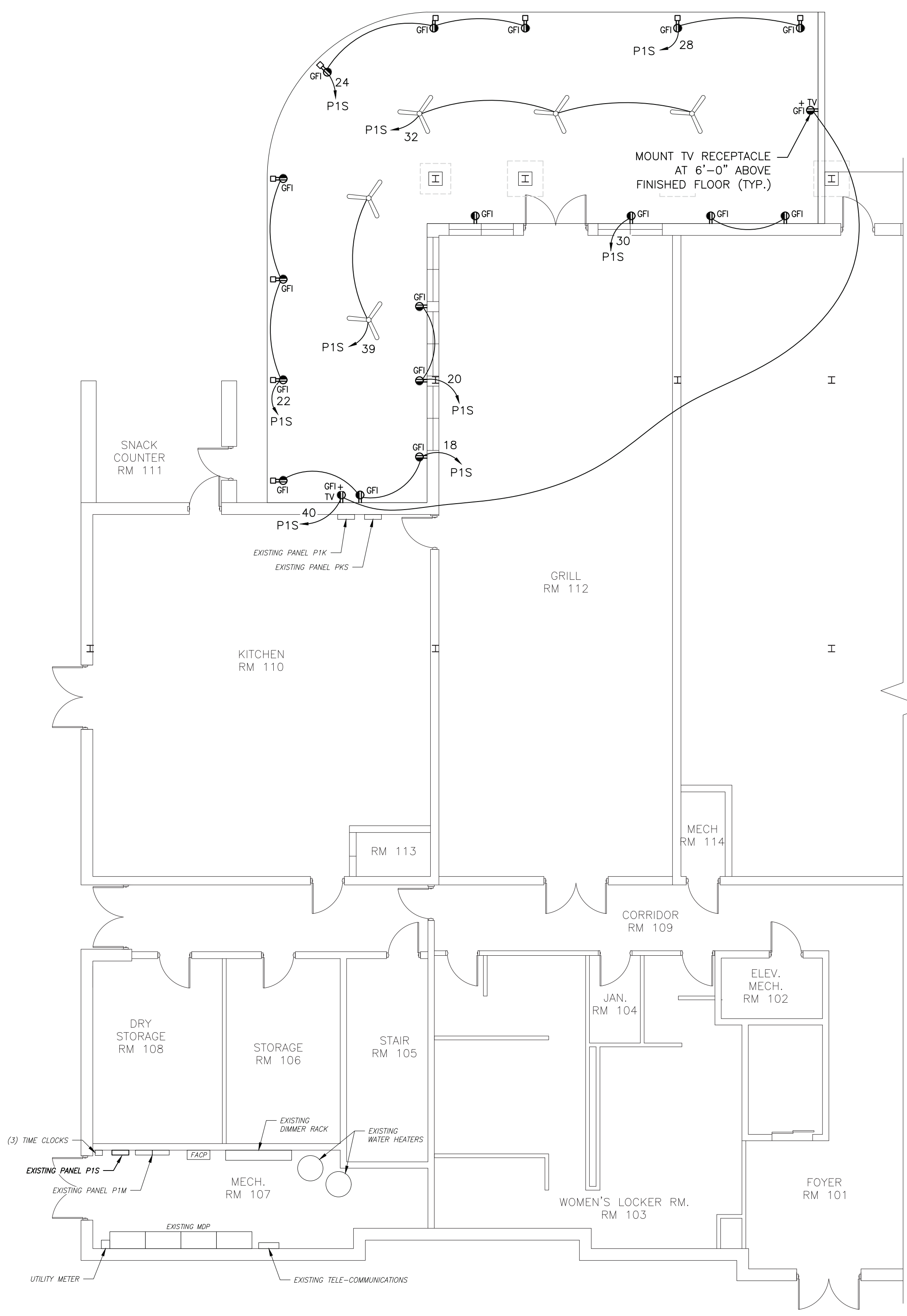
NO.	REVISION	DATE	BY	CHK

**ELECTRICAL LIGHTING AND POWER FLOOR PLANS**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 BURLINGTON COUNTY  
 NEW JERSEY

DRAWN BY: D.M.	DESIGN BY: K.M.	CHECKED BY:	SCALE: AS NOTED
DATE: 01-2026	SHEET No.: E-2.1		
JOB No.: 03131287			



**1 ELECTRICAL LIGHTING FLOOR PLAN**  
 SCALE: 1/8"=1'-0"



**2 ELECTRICAL POWER FLOOR PLAN**  
 SCALE: 1/8"=1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
  - THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
  - REPLACE EXISTING SOFFIT LIGHTS WITH NEW TYPE "A1" FIXTURE. REUSE EXISTING ELECTRICAL CIRCUIT AND LIGHTING CONTROL. REVISE AND EXTEND EXISTING CIRCUIT WIRING TO PROVIDE COMPLETE INSTALLATION.





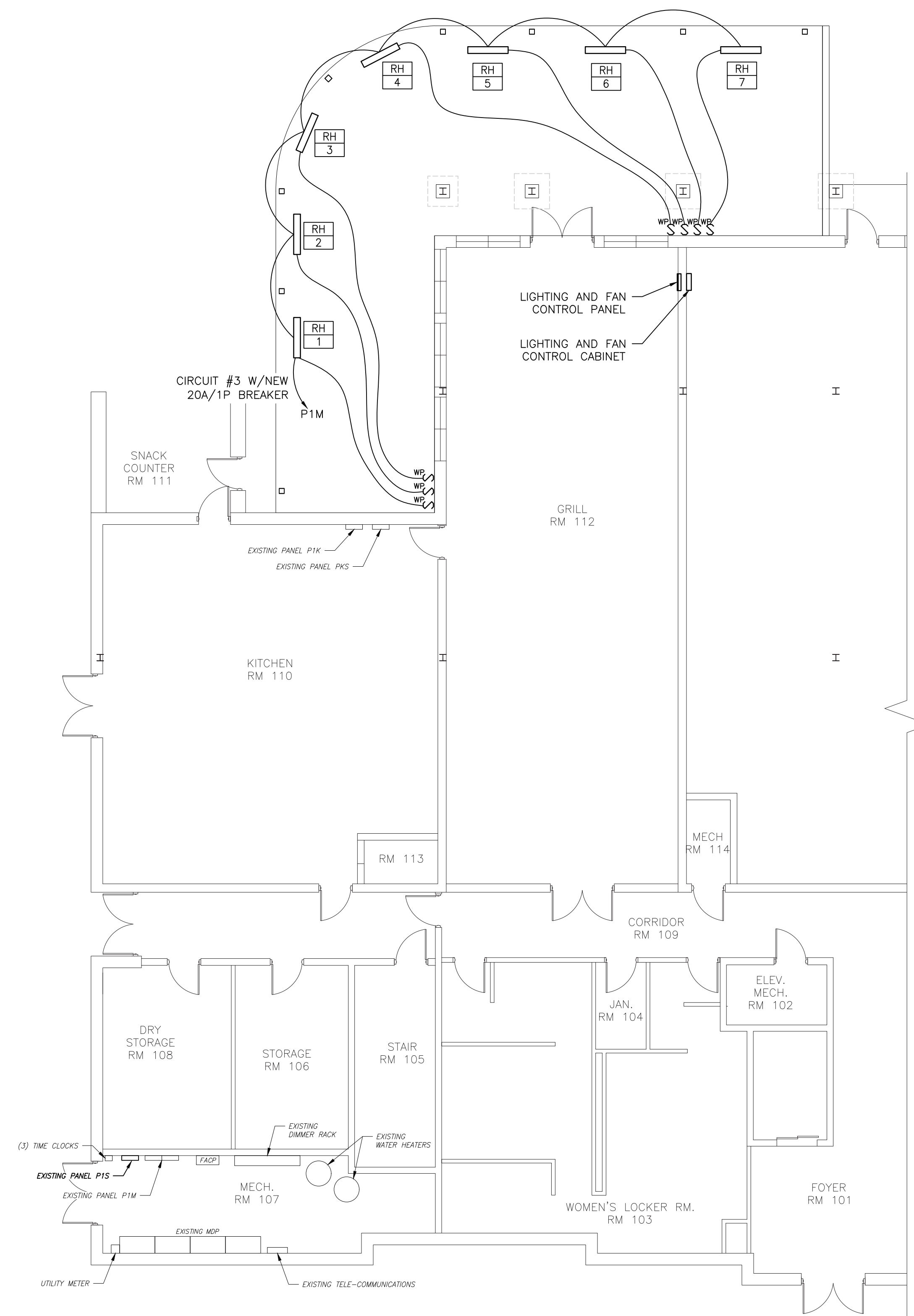
**REMINGTON & VERNICK ENGINEERS**  
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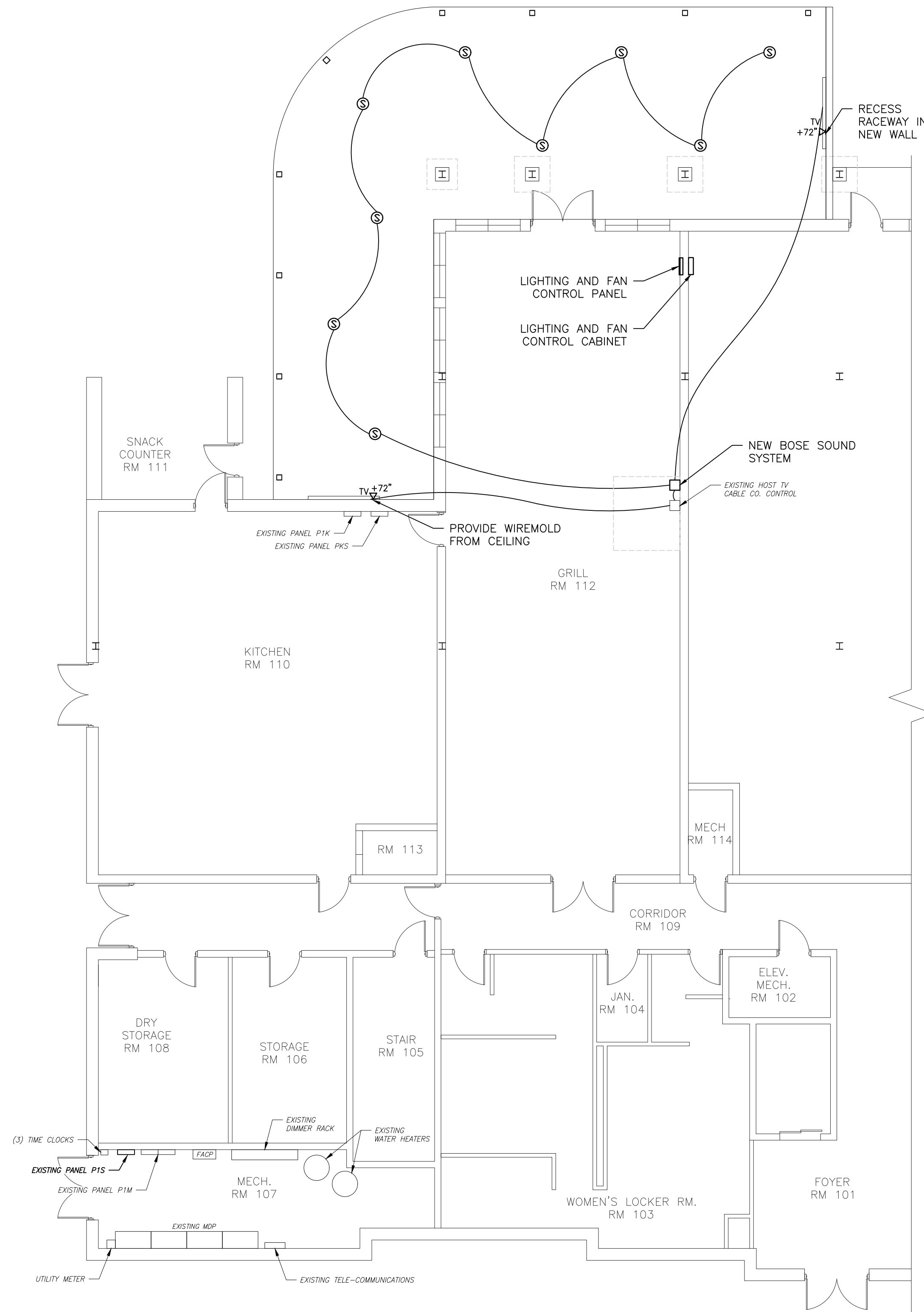
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NO.	REVISION	DATE	BY	CHK



**1 ELECTRICAL HVAC POWER FLOOR PLAN**  
 SCALE: 1/8"=1'-0"



**2 ELECTRICAL SYSTEMS FLOOR PLAN**  
 SCALE: 1/8"=1'-0"

**NOTES:**

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH THE MOST RECENTLY ADOPTED NATIONAL ELECTRICAL CODE APPROVED BY THE AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.

**ELECTRICAL HVAC AND SYSTEMS FLOOR PLANS**  
 EVESHAM TOWNSHIP  
 INDIAN SPRING CLUBHOUSE  
 BALCONY AND CANOPY RENOVATIONS  
 BURLINGTON COUNTY  
 NEW JERSEY

DRAWN BY: D.M.	DESIGN BY: K.M.	CHECKED BY:	SCALE: AS NOTED
DATE: 01-2026	JOB No.:		SHEET No.:
		E-2.3	
03131287			

2:Shawn T. Project 03, 03/20/20, Burlington, NJ, 07202, 1/17/2022, Indian Spring Clubhouse Renovation, 02, Design, Inc., Contractor, CAD/IT, MEP/ELECTRICAL, 23 Electrical Floor Plans, 4772020 2/2/23 AM

**LIGHT FIXTURE SCHEDULE**

TYPE	STYLE	MOUNTING	MANUFACTURER	CATALOG NO.	LAMPS	DEL. LUMENS	CCT	CRI	VOLTS	REMARKS
A	LED RECESSED 4.5" DIA. ADJUSTABLE DOWNLIGHT	RECESSED	H.E. WILLIAMS	4ARL-L20/9DW-DIM1-UNV-AW-OF-CS-WET/CC-N-F1	LED 38 WATTS	1341	1800K-3000K	95	UNIV	DIMMABLE/TUNABLE WHITE LED WET LOCATION RATED
A1	LED RECESSED 4.5" DIA. DOWNLIGHT	RECESSED	H.E. WILLIAMS	4DR-TL15-9DW-DIM1-UNV-RW-OF-WH-MWT-WET/CC-N-F1	LED 14 WATTS	1187	1800K-3000K	95	UNIV	DIMMABLE/TUNABLE WHITE LED WET LOCATION RATED
BE	3" WALL MOUNTED LINEAR 12FT. LONG DIRECT/INDIRECT	SURFACE WALL	PINNACLE ARCH. LIGHTING	EX3B-WET-O-830-CL830300-12FT-IND-WS-U-FSD-2-XX-(FINISH)	LED 102 WATTS	8760	3000K	80	UNIV	PROVIDE FIXTURE WITH 90MIN. REMOTE BATTERY BACKUP PROVIDE SILVER METALLIC FINISH
CE	3" WALL MOUNTED LINEAR 10FT. LONG DIRECT/INDIRECT	SURFACE WALL	PINNACLE ARCH. LIGHTING	EX3B-WET-O-830-CL830300-10FT-IND-WS-U-FSD-2-XX-(FINISH)	LED 84 WATTS	8760	3000K	80	UNIV	PROVIDE FIXTURE WITH 90MIN. REMOTE BATTERY BACKUP PROVIDE SILVER METALLIC FINISH
FAN	54" PADDLE FAN TRIPLE BLADE	PENDANT	MINKAIRE	F465L-BNW	LED 195 WATTS				120	PENDANT MOUNT SHALL PROVIDE SAFE CLEARANCE FROM SLOPED CEILING. PROVIDE SILVER METALLIC FINISH

**PANEL: P1S (EXISTING TO REMAIN)**

CKT #	CIRCUIT TRIP	BREAKER POLE	BRANCH CIRCUIT	DESCRIPTION	X MCB			REMARKS	REMARKS	POLES: 42			AIC RATING:			
					A	B	C			A	B	C	BRANCH CIRCUIT	POLE	TRIP	
1	20	1	EXIST.	RECEPTACLES	E			EXT. RESTROOMS	FOYER	E			1	20	2	
3	20	1	EXIST.	LIGHTING	E			EXT. RESTROOMS	LOCKER RM.	E			1	20	4	
5	20	1	EXIST.	LIGHTING	E				LOCKER RM.	E			1	20	6	
7	20	1	EXIST.	LIGHTING	E					E			1	20	8	
9	20	1	EXIST.	LIGHTING	E					E			1	20	10	
11	20	1	EXIST.	GAZEBO	E					E			1	20	12	
13	20	1	EXIST.	LIGHTING	E				GRILL	E			1	20	14	
15	20	1	EXIST.	LIGHTING	E				GRILL	E			1	20	16	
17	20	1	EXIST.	EXTERIOR DOWNLIGHTS	E			SOFFITS	NEW CANOPY	E	0.54		2A	1	20	18
19	20	1	EXIST.	EXTERIOR LIGHTING	E			GARDEN & ROOF	NEW CANOPY	E	0.54		2A	1	20	20
21	20	1	EXIST.	EXTERIOR LIGHTING	E			POLE & PAIR	NEW CANOPY	E	0.54		2A	1	20	22
23	20	1	EXIST.	EXTERIOR LIGHTING	E			FRONT ENTRANCE	NEW CANOPY	E	0.54		2A	1	20	24
25	20	1	EXIST.	EXTERIOR LIGHTING	E			ROOF (REAR)	MECHANICAL RM.	E			1	20	26	
27	20	1	EXIST.	EXTERIOR LIGHTING	E			ROOF (REAR)	NEW CANOPY	E	0.36		2A	1	20	28
29	20	1	EXIST.	LIGHTING	E			ELEVATOR RM. & PIT	NEW CANOPY	E	0.54		2A	1	20	30
31	20	1	EXIST.	LIGHTING	E			ELEVATOR CAR	NEW CANOPY	E	1.20		2A	1	20	32
33	20	1	2A	NEW CANOPY LIGHTING	E	0.45			NEW CANOPY	E			1	20	34	
35	20	1	2A	NEW CANOPY LIGHTING	E	0.45			GRILL	E			1	20	36	
37	20	1	2A	NEW CANOPY LIGHTING	E	0.52			NEW CANOPY	E			1	20	38	
39	20	1	2A	PADDLE FANS	E	0.80			2 WALL TVS	E	1.40		2A	1	20	40
41	20	1	EXIST.	RECEPTACLES - GFCI	E			FRONT GARDEN BED		E	0.25		2A	1	20	42

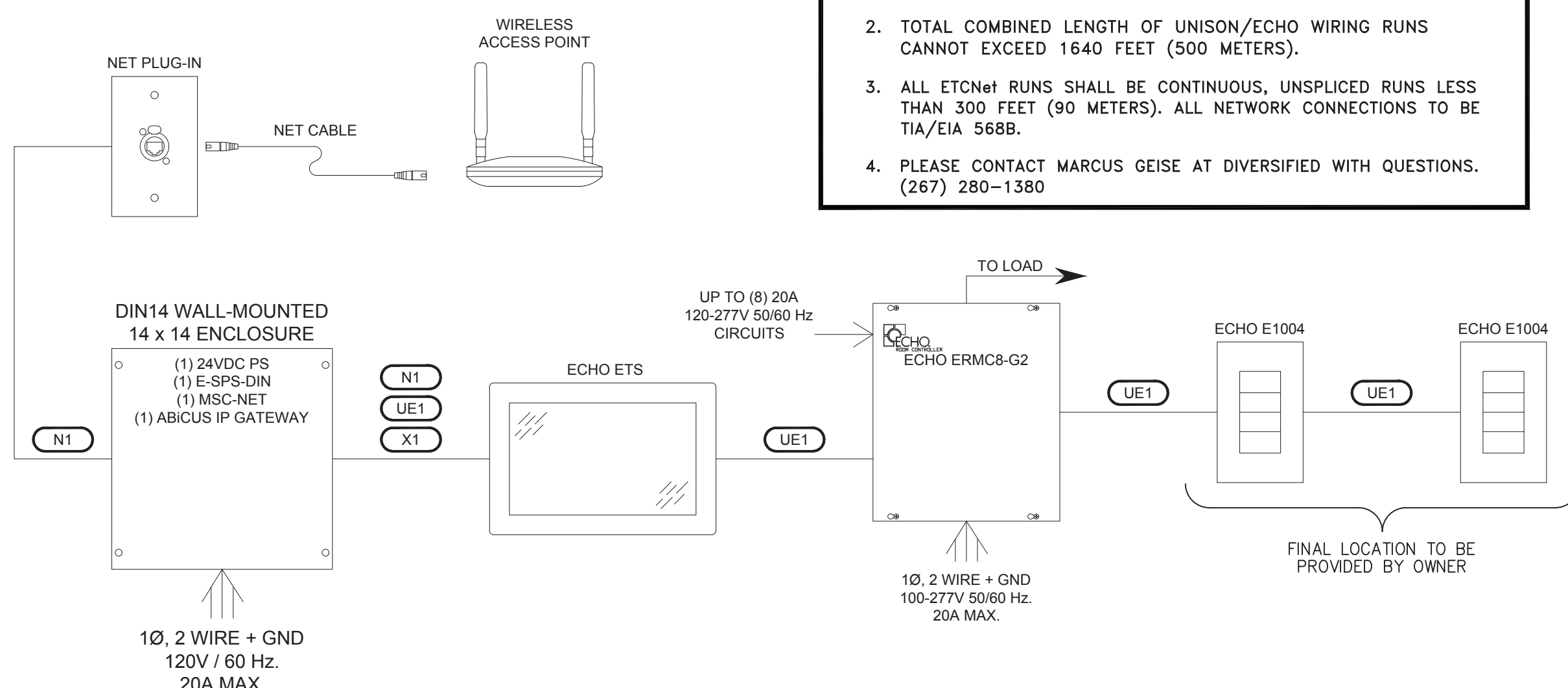
23 TOTAL CONNECTED LOAD (AMPS)      1.74 2.30 1.87 TOTAL CONNECTED LOAD (kVA)      8.13

**CONTROL WIRING LEGEND**  
\* = WIRE QUANTITY

UE\* (1) TMB PCLP1PT (UNISON/ECHO)  
X\* (1) TMB PC224T (DMX)  
N\* (1) TMB PCCAT6AP (CAT6) (ETCNe)  
P\* (2) #16 AWG. STRANDED WIRES (PANIC)

**NOTES:**

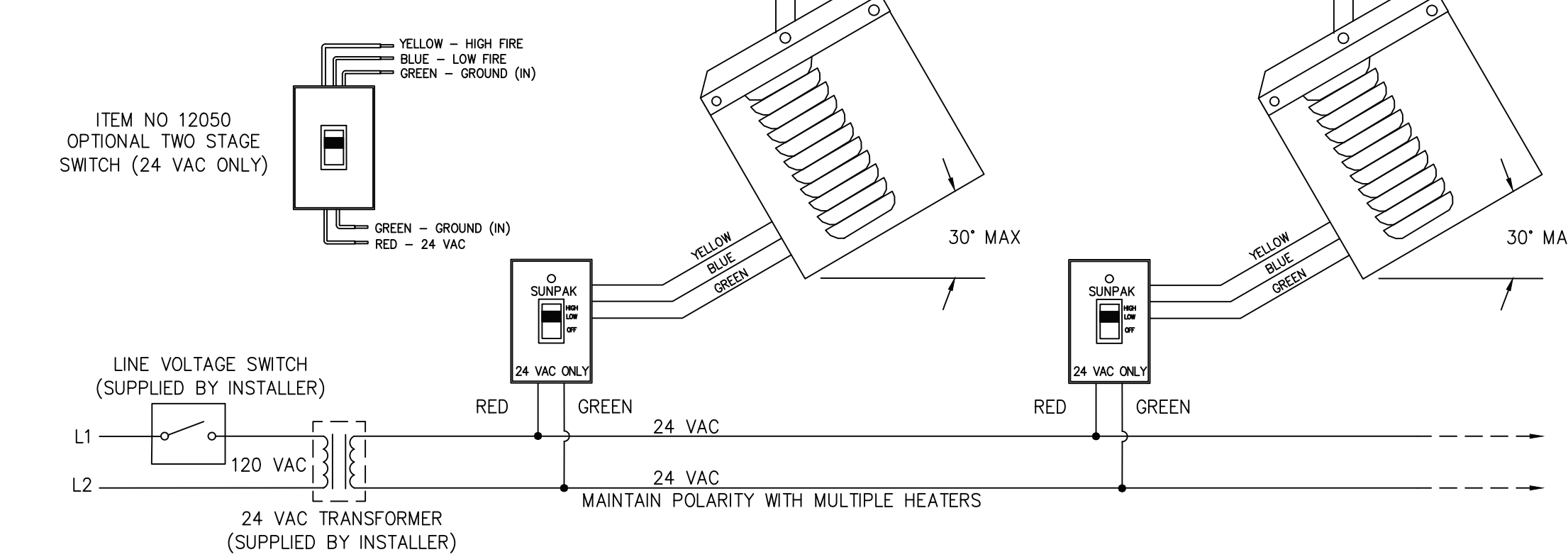
- ALL CONTROL AND POWER WIRING IS PROVIDED BY EC
- TOTAL COMBINED LENGTH OF UNISON/ECHO WIRING RUNS CANNOT EXCEED 1640 FEET (500 METERS).
- ALL ETCNe RUNS SHALL BE CONTINUOUS, UNSPLICED RUNS LESS THAN 300 FEET (90 METERS). ALL NETWORK CONNECTIONS TO BE TIA/EIA 568B.
- PLEASE CONTACT MARCUS GEISE AT DIVERSIFIED WITH QUESTIONS. (267) 280-1380



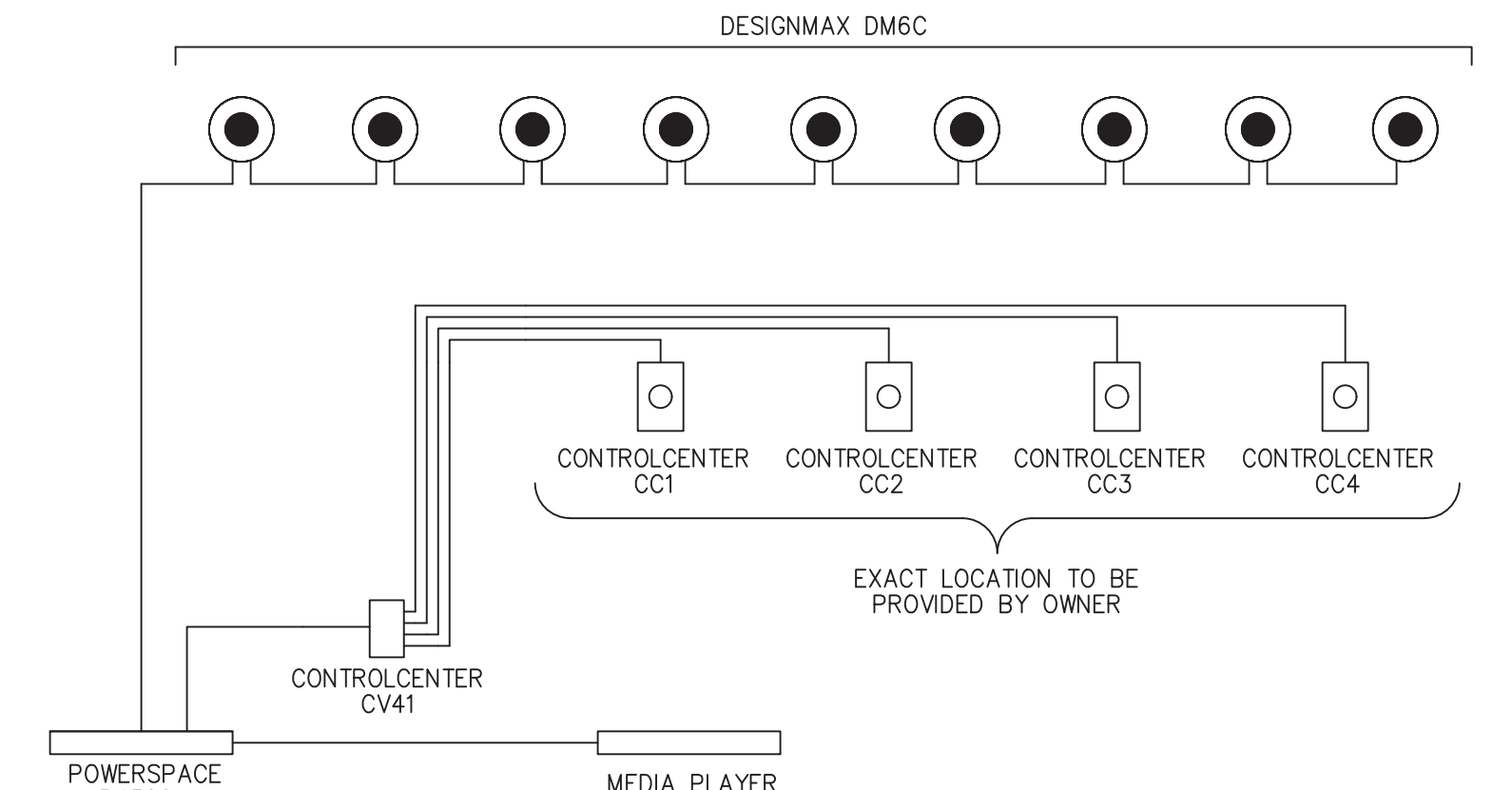
**1 LIGHTING CONTROLS WIRING DIAGRAM**  
SCALE: N.T.S.

**WIRING DIAGRAM FOR SUNPAK S34 TSH TWO STAGE HARDWARE HEATER**

- 24 VAC/20VA (.8 AMP REQUIRED FOR EACH HEATER)
- ELECTRICAL POLARITY MUST BE MAINTAINED WHEN CONNECTING MULTIPLE HEATERS
- NEVER INSTALL THE 24 VAC TRANSFORMER INSIDE THE HEATER.



**2 HEATER WIRING DIAGRAM**  
SCALE: N.T.S.



**3 SOUND SYSTEM WIRING DIAGRAM (BOSE)**  
SCALE: N.T.S.

**NOTES:**

SOUND SYSTEM TECHNICAL INFORMATION:  
THE FULL-RANGE LOUDSPEAKER (BOSE PROFESSIONAL FREE SPACE FS4CE) SHALL MEET THE FOLLOWING PERFORMANCE SPECIFICATIONS: THE FULL-RANGE WEATHERPROOF RECESSED CEILING LOUDSPEAKER SHALL CONTAIN A SINGLE 4.5-INCH FULL-RANGE TRANSDUCER. ON-AXIS SYSTEM FREQUENCY RANGE SHALL BE 70 HZ TO 17 KHZ (-10 DB) WITH THE USE OF RECOMMENDED ACTIVE EQUALIZATION. THE LOUDSPEAKER SENSITIVITY SHALL BE 88 DB SPL IN HALF-SPACE ENVIRONMENT WITH RECOMMENDED HIGH-PASS PROTECTION WITH 1 W INPUT AT 1 METER. THE LONG-TERM POWER HANDLING RATING SHALL BE 50 W (AES TEST METHODOLOGY USING IEC SYSTEM NOISE, 2-HOUR DURATION). MAXIMUM CONTINUOUS OUTPUT SHALL BE 105 DB SPL AND THE MAXIMUM PEAK OUTPUT SHALL BE 111 DB SPL. THE DESIGNED COVERAGE PATTERN SHALL BE 120° CONICAL AT 1-4 KHZ.

THE LOUDSPEAKER SHALL BE PLENUM RATED AND IN COMPLIANCE WITH THE FOLLOWING SAFETY STANDARDS; UL1480A, UL2043. THE TRANSDUCERS SHALL BE LOCATED BEHIND A PERFORATED STEEL GRILLE WITH A CORROSION RESISTANT POWDER-COATED WHITE FINISH. INPUT CONNECTORS SHALL BE A EUROBLOCK 6-PIN CONNECTOR WITH LOOP-THROUGH, LOCATED ON THE FRONT BAFFLE, WITH A WEATHER RESISTANT INPUT COVER. THE LOUDSPEAKER SHALL BE INTENDED FOR USE OUTDOORS IN WET LOCATIONS. THE LOUDSPEAKER SHALL HAVE A NOMINAL RATED IMPEDANCE OF 8 OHMS AND SHALL BE WIRED IN PARALLEL WITH A LINE VOLTAGE MATCHING (STEPDOWN) TRANSFORMER WITH A LEVEL SELECTOR APPROPRIATE FOR OUTPUT TAPS OF 2.5, 5, 10, 20, 40 W AND BYPASS (8 OHMS). THE LOUDSPEAKER INPUT CONNECTIONS SHALL ALLOW FOR DIRECT CONNECTION TO 70-VOLT, 100-VOLT OR LOW-IMPEDANCE AMPLIFIERS. LOUDSPEAKER BACKCAN DIMENSIONS SHALL BE 220 x 163 MM (8.7 x 6.4 IN) AND NET WEIGHT SHALL 3.47 KG (7.65 LB) WITH GRILLE. OUTWARD FRONT BAFFLE DIMENSIONS SHALL BE 272 MM (10.7 IN).

THE AMPLIFIER SHALL BE THE BOSE POWERSPACE P4300+. THE AMPLIFIER SHALL EMPLOY CLASS-D AMPLIFICATION TOGETHER WITH A DIGITAL SIGNAL PROCESSING ARCHITECTURE RUNNING AT 48 KHZ/24-BIT. THE AMPLIFIER SHALL INCLUDE THE FOLLOWING: A SWITCH-MODE POWER SUPPLY AC OUTLETS RANGING FROM 100-264 V AT 50/60 HZ., AN IEC 320-C14 ELECTRICAL POWER INLET WITH A REMOVABLE POWER SUPPLY CORD, POWER SWITCH ON THE FRONT PANEL, PROTECTION FROM SHORTED LOADS AND GENERAL OVERHEATING, THE ABILITY TO BE RACK MOUNTED, DUAL VENTILATION FANS, VARIABLE FRONT-TO-BACK AIRFLOW. EACH OUTPUT CHANNEL SHALL HAVE OUTPUT ATTENUATION CONTROLS. THE AMPLIFIER SHALL INCLUDE FOUR 300 W OUTPUT CHANNELS WITH A FREQUENCY RESPONSE OF 20 HZ TO 20 KHZ (±1 DB) WHEN DRIVING LOW-IMPEDANCE (4-8 Ω) SYSTEMS, AND A FREQUENCY RESPONSE OF 50 HZ TO 20 KHZ WHEN DRIVING 70/100 V DISTRIBUTED AUDIO SYSTEMS. THE AMPLIFIER SHALL HAVE THD+N AT RATED POWER LESS THAN 0.04% OUTPUT CONNECTIONS SHALL BE MADE VIA AN 8-PIN TERMINAL BLOCK CONNECTOR.

THE AMPLIFIER SHALL MEET OR EXCEED THE FOLLOWING PERFORMANCE SPECIFICATIONS: CHANNEL SEPARATION (CROSSTALK) GREATER THAN 80 DB BELOW RATED POWER AT 1 KHZ. THE AMPLIFIER SHALL INCORPORATE 4 LINE-LEVEL INPUTS. THE NOMINAL INPUT SENSITIVITY SHALL BE 4 DBU FOR BALANCED LINE-LEVEL INPUTS (3-PIN EUROBLOCK CONNECTOR). NINE LEDS FRONT PANEL INDICATION DISPLAY. THE DIGITAL SIGNAL PROCESSOR SHALL ENABLE A USER-SELECTABLE LOUDSPEAKER EQ PRESET PER CHANNEL. SUPPORTING APPLICABLE BOSE PROFESSIONAL LOUDSPEAKERS. THE AMPLIFIER SHALL HAVE ONE REMOTE CONTROL INPUT (RJ-45, CONTROLCENTER) INTENDED FOR USE WITH CONTROLCENTER CC-1, CC-2, AND CC-3 ZONE CONTROLLERS, OR THE CONTROLCENTER CV41 4-TO-1 CONVERTER. THE AMPLIFIER SHALL OFFER A MASTER MUTE CONNECTION FOR USE WITH EXTERNAL DRY CONTACTS, NORMALLY OPEN OR NORMALLY CLOSED, TO MUTE ALL OUTPUTS OF THE AMPLIFIER.

THE PRODUCT SPECIFIED MEET THE REQUIREMENTS OF THE PROJECT. SUBSTITUTION WILL REQUIRE THE CONTRACTOR TO PROVIDE A COMPLETE MODELING AND DETAILED COMPLIANCE SUBMISSION FOR FINAL APPROVAL FROM THE ENGINEER.



**REMINGTON & VERNICK ENGINEERS**  
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DATE: *04-17-2026*  
**KAVAN R. SMITH**  
NJ PROFESSIONAL ENGINEER LIC. NO. 56794

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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NO.	REVISION	DATE	BY	CHK

**ELECTRICAL DETAILS AND SCHEDULES**

EVESHAM TOWNSHIP  
INDIAN SPRING CLUBHOUSE  
BALCONY AND CANOPY RENOVATIONS  
EVESHAM TOWNSHIP  
BUHLINGTON COUNTY  
NEW JERSEY

DATE:	SCALE:
01-2026	AS NOTED
JOB No.:	E-3.1
03131287	