

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 3.304 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REFER TO SCHEDULE FOR REINFORCING.
- 5.573 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM; STAINLESS STEEL WITH HORIZONTAL CABLE INFILL; INTEGRATED ADA STAINLESS STEEL HANDRAIL WHERE DEPICTED; SEE SPECIFICATIONS.
- 5.574 METAL FABRICATION: 1 1/2" DIAMETER NOMINAL STAINLESS STEEL HANDRAIL ALONG PAVED RAMP SURFACE EDGES; PROVIDE POST SUPPORTS @ 5'-0" O.C. AND INTEGRATE BOTTOM OF RAILING INTO DECORATIVE RAILING SYSTEM FOR SMOOTH TRANSITION. CORE AND SET POSTS WITH 2" DIAMETER x 4" DEEP EXTERIOR POR-ROK PER SPECIFICATIONS.
- 5.575 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM; OPERABLE SWING GATE AS DEPICTED.
- 5.576 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM; BUMPER RAIL AS DEPICTED.
- 5.577 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM ACCESSORY; STAINLESS STEEL MOUNTED HINGES.
- 5.578 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM ACCESSORY; STAINLESS STEEL SLEF-LOCKING GATE LATCH WITH LOCKING CAPABILITY.
- 5.579 METAL FABRICATION: DECORATIVE METAL GAUDDRAIL SYSTEM ACCESSORY; PROVIDE SWING-STOP PROTRUSION AT TOP RAIL OF BUMPER RAIL TO KEEP GATE FROM SWINGING BEYOND DOCK SURFACE OVER WATER.
- 6.101 WOOD FRAMING: BEAM/JOIST. SEE PLAN, SPECIFICATIONS AND DETAILS FOR SIZE AND SPECIES.
- 6.171 WOOD FRAMING ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTOR AS NOTED MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.
- 6.179 WOOD FRAMING ACCESSORY: FASTENER AS NOTED.
- 6.700 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDS; SEE SPECIFICATIONS.
- 6.701 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDS; FASOLA BOARD; SEE SPECIFICATIONS.
- 6.755 WOOD FRAMING ACCESSORY: MARINE GRADE RAMP COVER PLATE; 55" WIDTH; PROVIDE ALL HARDWARE REQUIRED FOR MOUNTING; ORIENT HINGE DOWNWARDS WHEN MOUNTING TO PROVIDE SMOOTH TRANSITION FROM LANDINGS TO DOCK-BRIDGE.

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ISSUED

1/25/1725 BID & PERMIT DOCUMENTS

JOB NO. 24-292-1607
DRAWN KSG
CHECKED JMB/CDH
APPROVED JMB/CDH

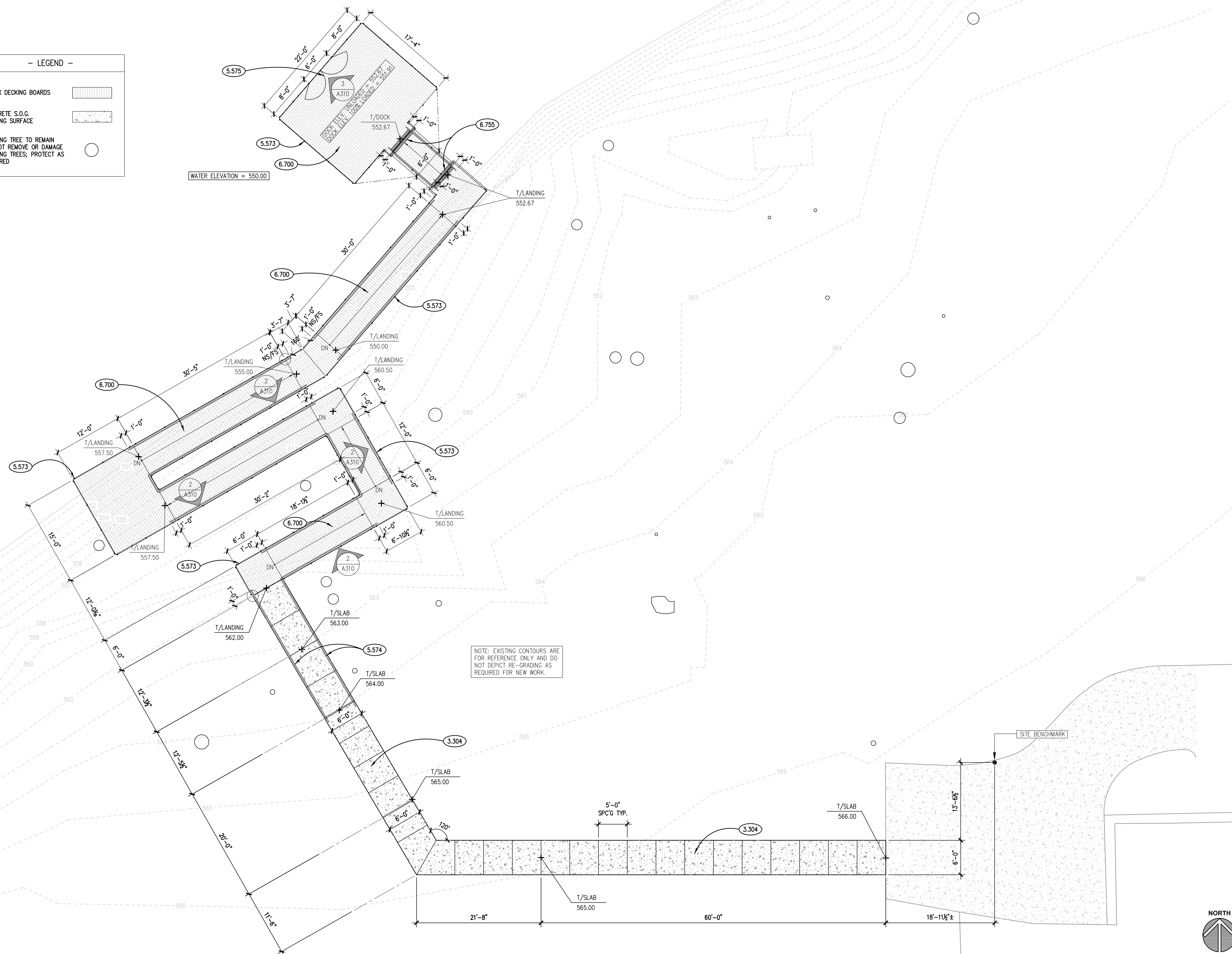
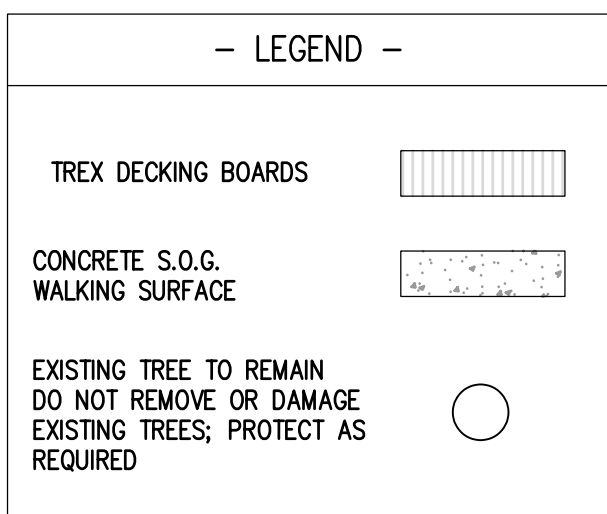
SHEET TITLE

BOARDWALK PLAN

SHEET NUMBER

A310

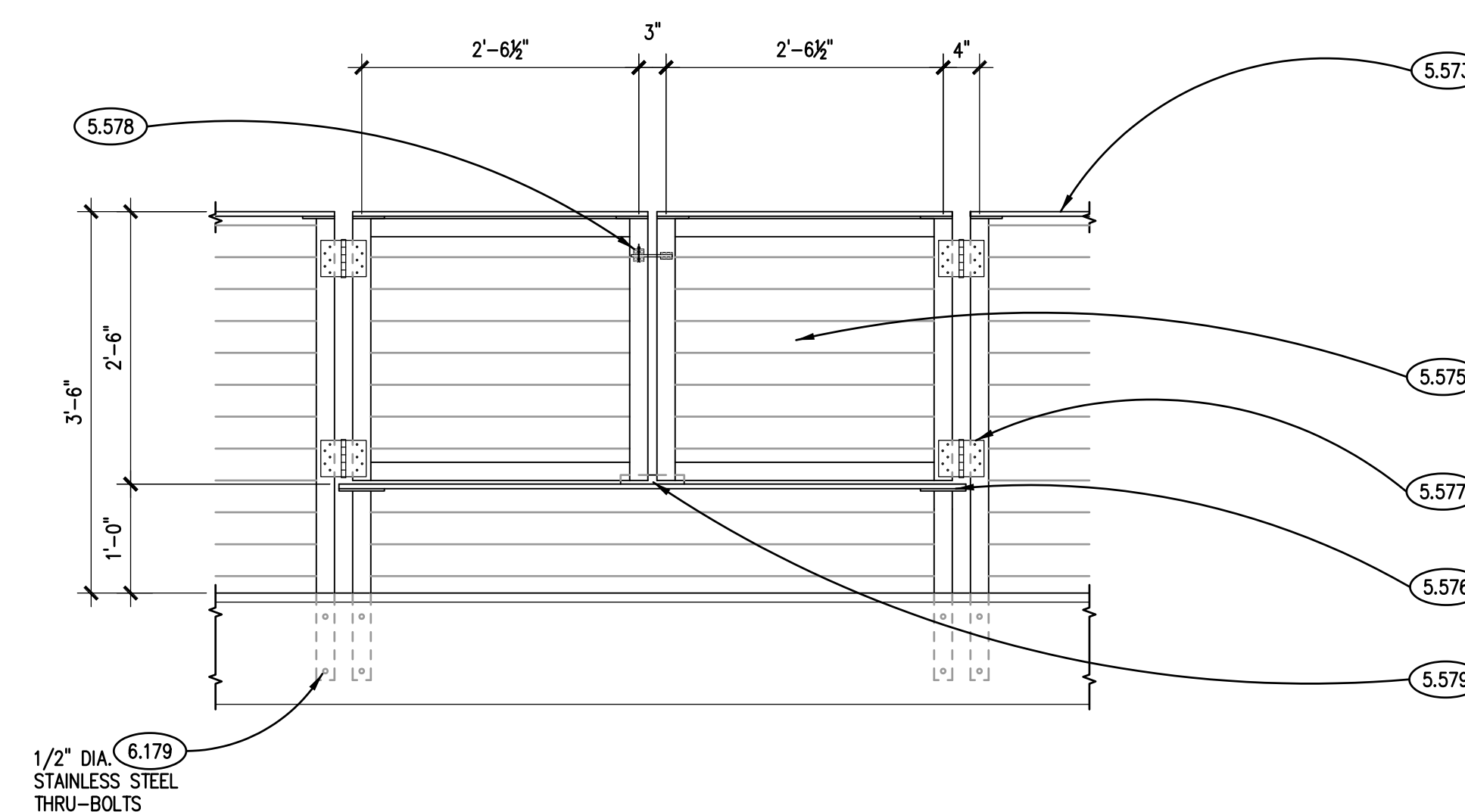
NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.



BOARDWALK PLAN

SCALE: 1/8" = 1'-0"

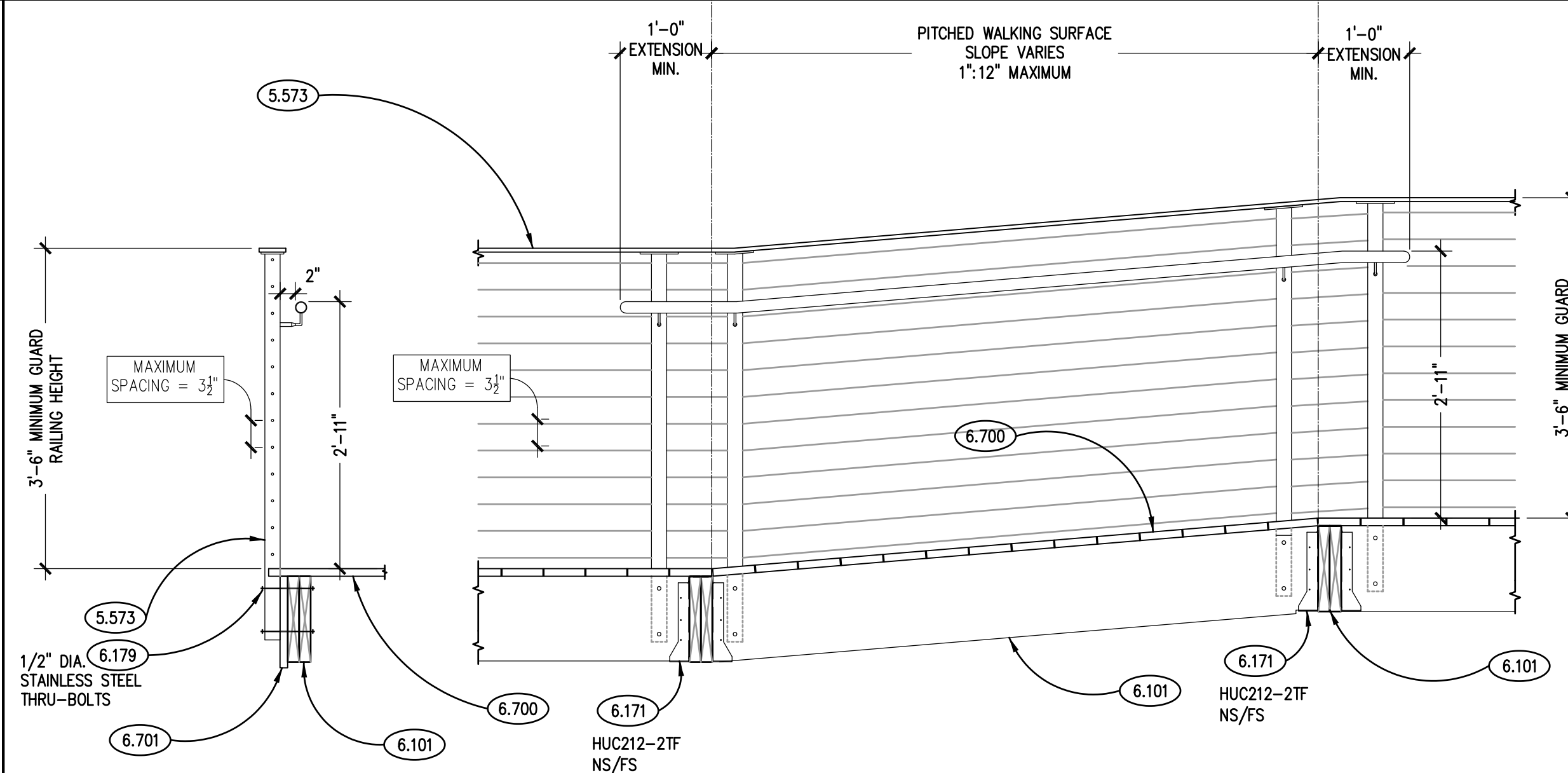
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CABLE RAILING SWING GATE ELEVATION

SCALE: 3/4" = 1'-0"

3

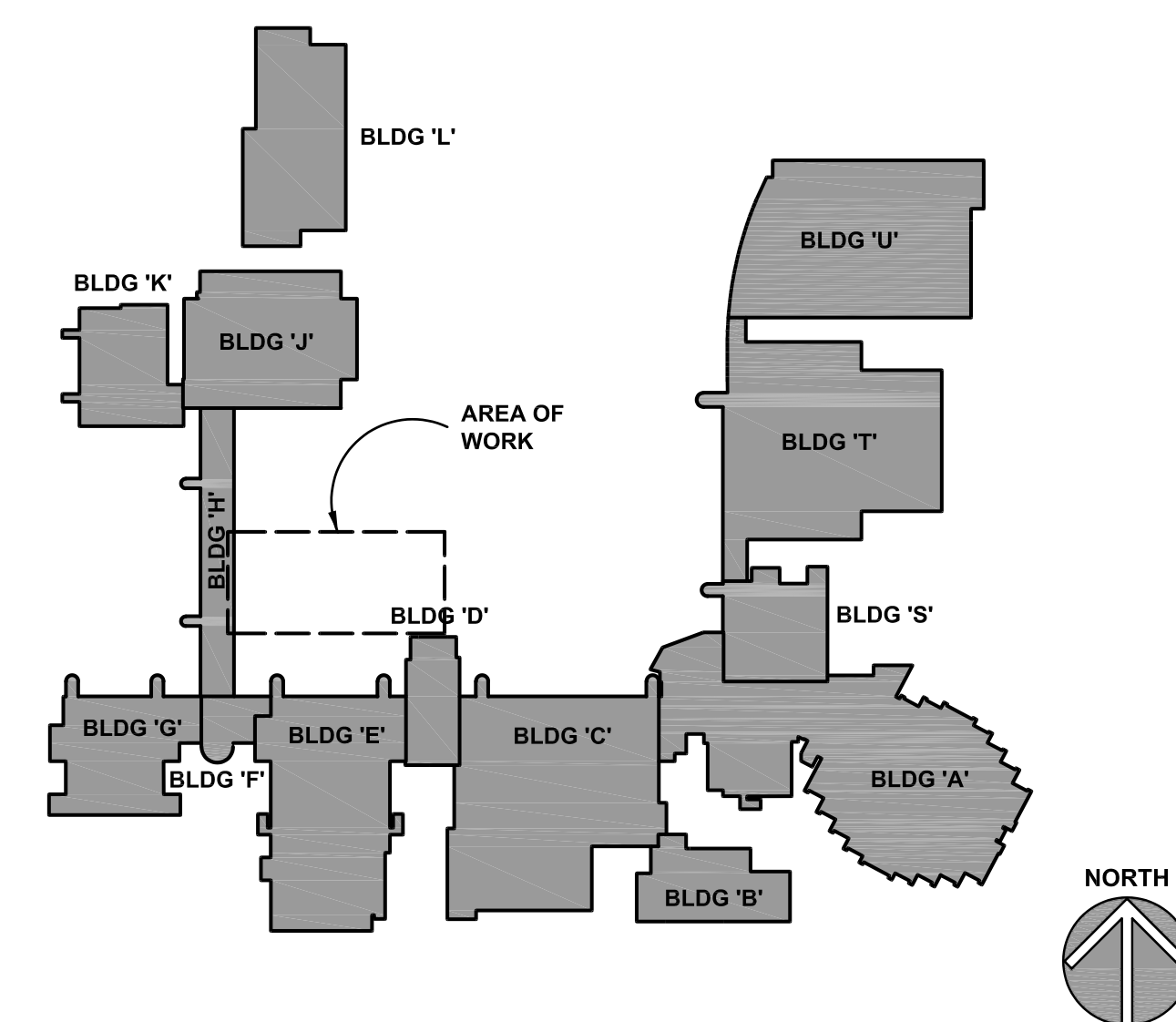


TYPICAL HORIZONTAL CABLE RAILING SYSTEM

SCALE: 3/4" = 1'-0"

2

KEY PLAN



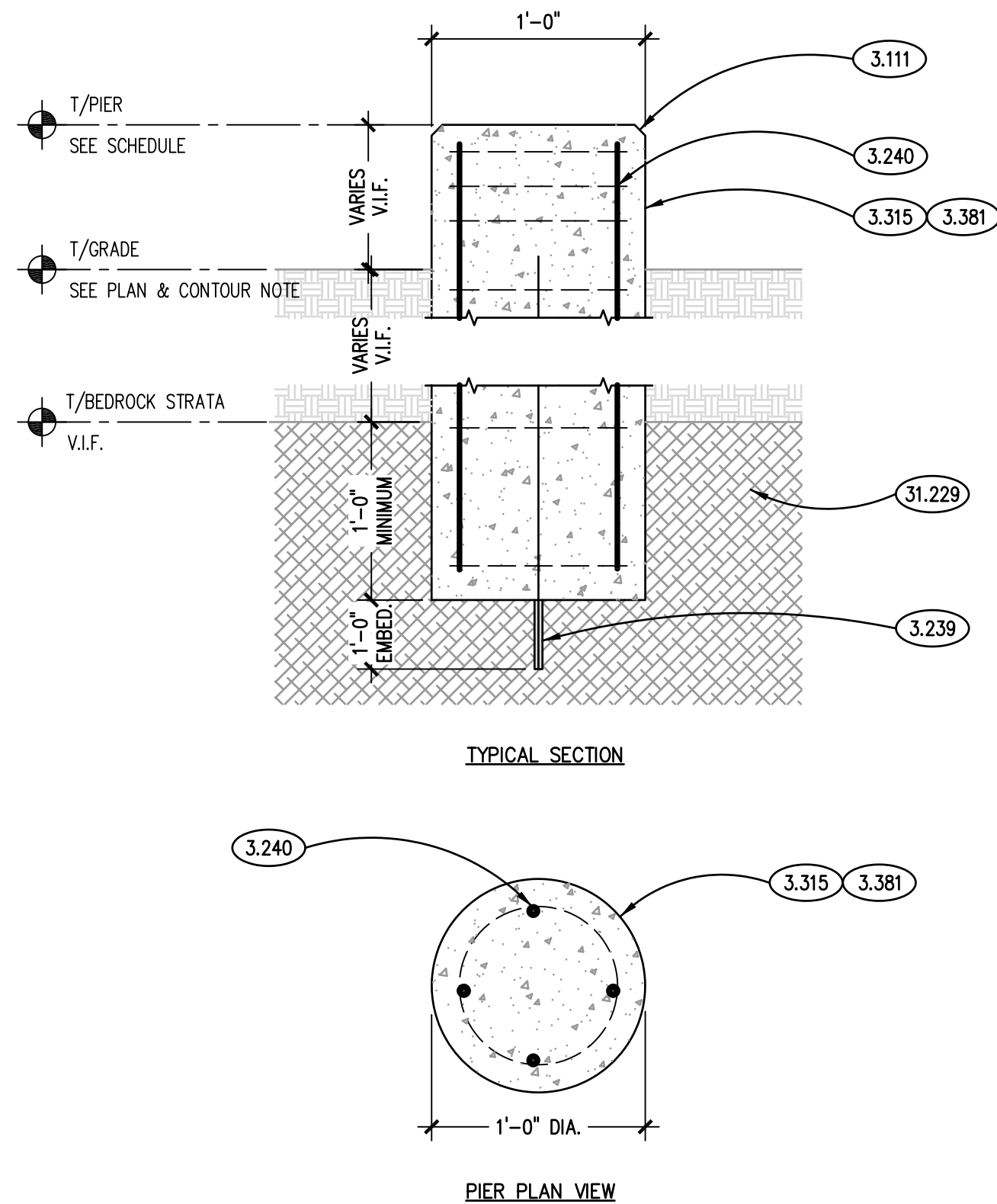
F brg.=12,000 PSF
f'c= 4,500 PSI
fy= 60,000 PSI

CONC. PIER NOTES AND DETAILS

NOTES:

1. SEE PLAN FOR CONCRETE PIER MARKS & LOCATIONS.
2. ALL CONCRETE PIERS ARE TO FOLLOW DIMENSIONS SHOWN BELOW FOR VERTICAL AND TIE REINFORCEMENT.
3. REFER TO PLAN PLAN FOR BENCHMARK. ALL CONCRETE PIERS HAVE BEEN LOCATED IN THE SCHEDULE BASED FROM THIS POINT.
4. ALL CONCRETE PIERS ARE TO BE EMBEDDED INTO BEDROCK MATERIAL A MINIMUM OF 1'-0" U.N.O..
5. FOR PIERS NEAR SHORELINE/LAKE; CONTRACTOR SHALL COORDINATE THE WORK OF THESE PIERS WITH OWNER. OWNER IS ABLE TO LOWER WATER LEVEL IN ORDER TO PERFORM WORK.

DETAILS



1

KEY PLAN

3.012 EXISTING CONCRETE SLAB.

3.101 CONCRETE FORMING AND ACCESSORIES: CONTINUOUS 3/4" CHAMFER U.N.O.

3.238 CONCRETE REINFORCING: #5 VERTICAL (EPLOY) DOWEL X=0" LONG. ANCHOR INTO EXISTING COMPACT BOND. USE EPOXY ADHESIVE (EPLOY) SYSTEM PER PROJECT SPECIFICATIONS. GUESSMENT TO BE 1-0" U.N.O. IF OVERALL CONCRETE HEIGHT IS LESS THAN 2'-0". FIELD TORN BAR LENGTH AS REQUIRED TO KEEP WITHIN CONCRETE.

3.240 CONCRETE REINFORCING: #5 VERTICAL BARS (QUANTITY AS NOTED) AND #3 TIES @ FOLLOWING SPACING: 0-3' @ 2', (1) @ 0-8', 8-12' U.N.O. DIMENSIONS AS NOTED.

3.304 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REFER TO SCHEDULE FOR REINFORCING.

3.315 CAST-IN-PLACE CONCRETE: CONCRETE PIER. REFER TO PLAN, SCHEDULE AND DETAILS FOR REQUIRED REINFORCING. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH.

3.366 CAST-IN-PLACE CONCRETE JOINT DEWICK/FILLER: SLAB CONTRACTION JOINT. PROVIDE TOoled JOINT WITH 1/2" RADIUS.

3.381 CAST-IN-PLACE CONCRETE MISCELLANEOUS: PROVIDE ROUGH FORM FINISH AS DEFINED BY API 301-10, SURFACE FINISH-20 (SF)-20. PATCH Voids LARGER THAN 1/4". PATCH THE HOLES. SURFACE TOLERANCE CLASS B AS SPECIFIED IN API 117. SEE CONCRETE PIER SCHEDULE FOR APPLICABLE PIERS.

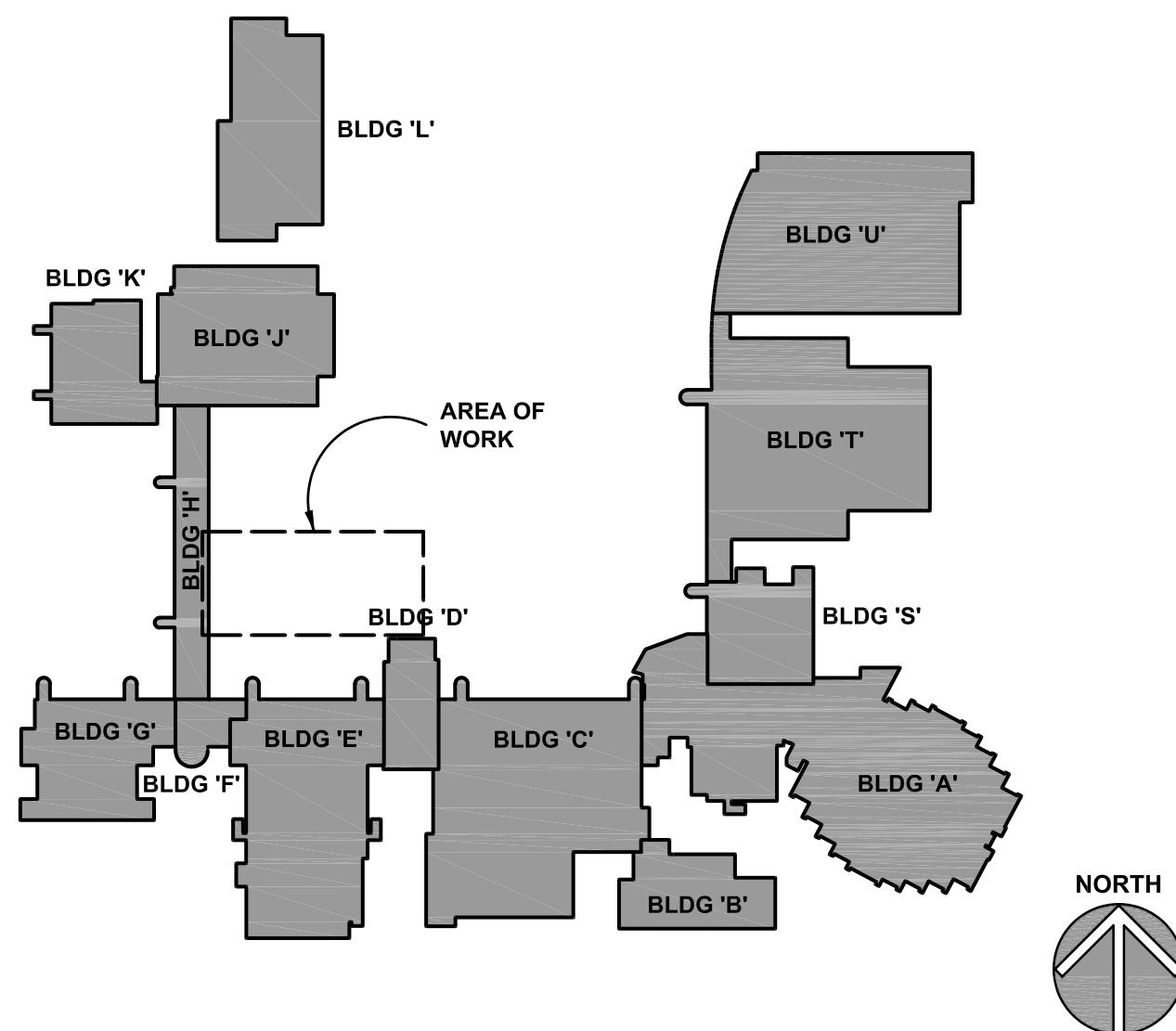
31.229 EXISTING BEDROCK: ELEVATION TO BE DETERMINED IN FIELD.
31.231 EXCAVATION FILL: REMOVE AND REGRADE AS REQUIRED FOR NEW WORK; BY OTHERS

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NOTES

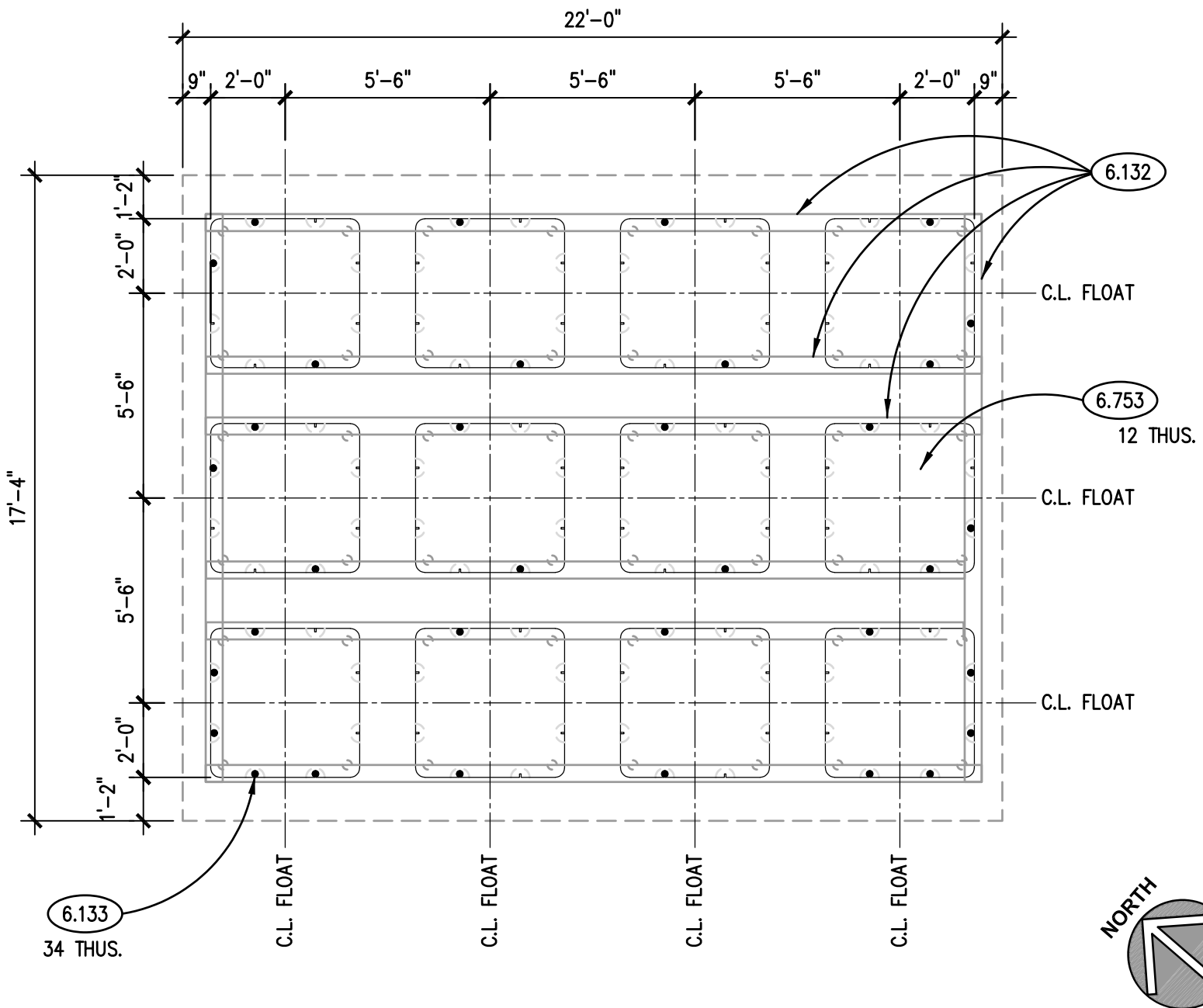
1. SEE PROJECT SPECIFICATIONS FOR DETAILED MIX DESIGNS.
2. ALL SLABS ON GRADE TO BE PLACED IN ONE CLEAN, WELL GRADED GRANULAR MATERIALS TO BE SCHEDULE FOR REQUIRED MINIMUM THICKNESS OF COMPACTED FILL.
3. SEE PLANS AND DETAILS FOR ALL LOCATIONS OF REINFORCING STEEL, CONTRACTION JOINTS, CONTRACTION JOINTS AND ISOLATION JOINTS.
4. ALL W/WF REINFORCING TO BE IN FLAT SHEETS ONLY. PLACEMENT (I.E. SUPPORT SPACING, LAP SPLICE LENGTHS, ETC.) TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE REINFORCEMENT MANUAL OF STANDARD PRACTICE: (WWR-500); WRE REINFORCEMENT INSTITUTE, LATEST EDITION.
5. ALL REINFORCING STEEL TO BE SUPPORTED AS REQUIRED TO MAINTAIN THE DETAILED POSITIONS NOTED ON THE CONTRACT DOCUMENTS DURING PLACEMENT AND CURE.
6. REINFORCING BARS SHALL BE ASTM A615 GRADE 60, DEFORMED. ALL W/WF SHALL BE ASTM A181, SMOOTH.
7. NORMAL WEIGHT CONCRETE (NW) SHALL HAVE A MAXIMUM DENSITY OF 145 PCF.
8. CONCRETE TO HAVE 8% AIR ENTRAINMENT.



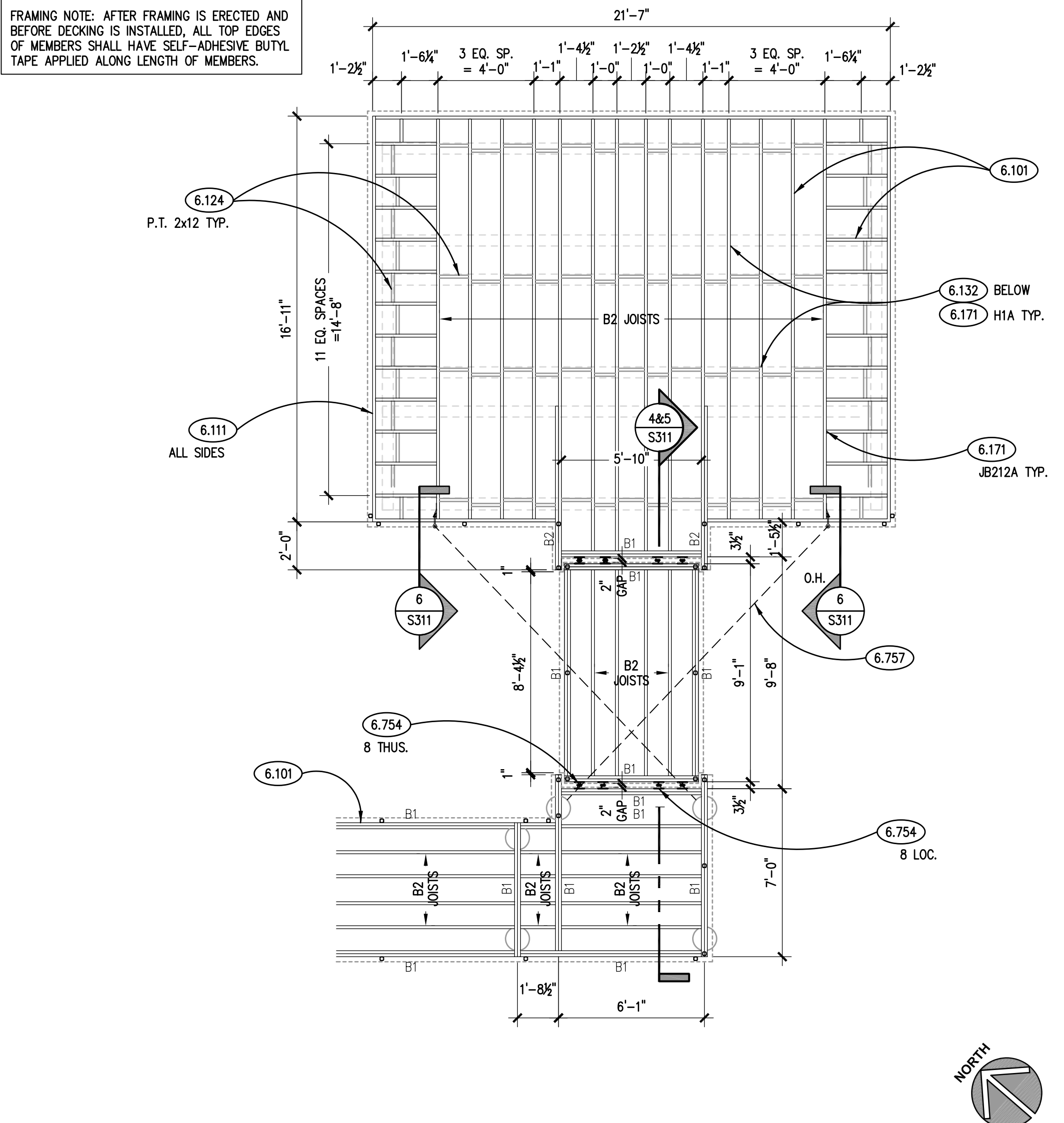
KEYNOTES

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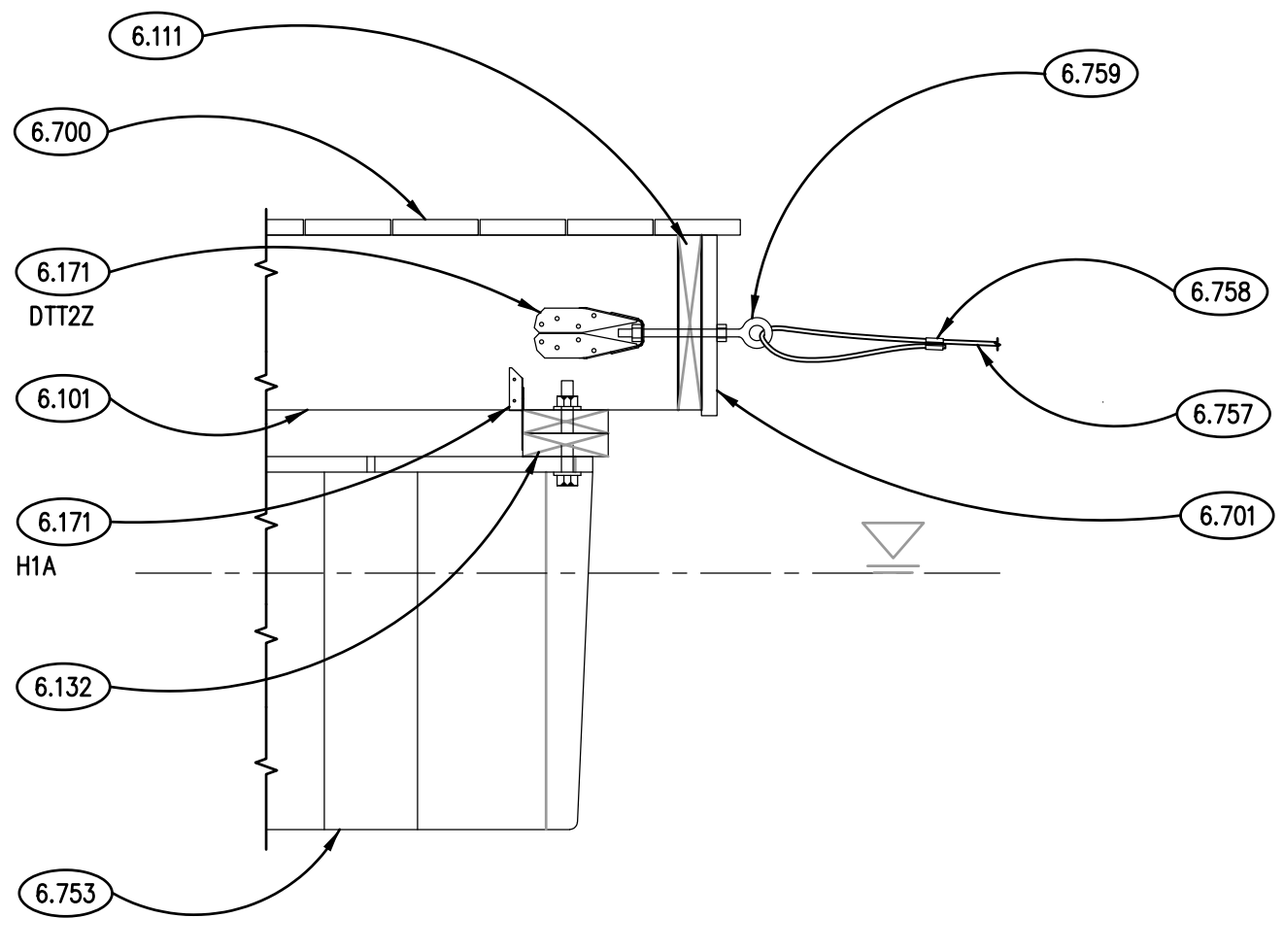
- 3.070 CAST-IN-PLACE CONCRETE ACCESSORY: GALVANIZED EYE-BOLT WITH 2"x2"x1/4" WASHER PLATE AND BOLT CAST INTO SIDE OF CONCRETE PIER AS DEPICTED.
- 3.315 CAST-IN-PLACE CONCRETE: CONCRETE PIER, REFER TO PLAN, SCHEDULE AND DETAILS FOR REQUIRED REINFORCING. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH.
- 5.573 METAL FABRICATION: DECORATIVE METAL GAUARDRAIL SYSTEM; STAINLESS STEEL WITH HORIZONTAL CABLE INFILL; INTEGRATED ADA STAINLESS STEEL HANDRAIL WHERE DEPICTED; SEE SPECIFICATIONS.
- 6.101 WOOD FRAMING: BEAM/JOIST. SEE PLAN, SPECIFICATIONS AND DETAILS FOR SIZE AND SPECIES.
- 6.108 WOOD FRAMING: CONTINUOUS 2x LEDGER TO MATCH SIZE AND SPECIES OF JOISTS. ATTACH TO CONCRETE WITH (2)-3/8" TAPCON ANCHORS @ 12" O.C. EMBED. = 3" MIN.
- 6.111 WOOD FRAMING: CONTINUOUS PERIMETER 1x2 PRESSURE TREATED RIM BOARD TO MATCH DEPTH OF JOISTS/BEAMS. ATTACH TO EACH JOIST/BEAM USING (5)-16d NAILS. CANTILEVER ENDS BEYOND LAST JOIST/BEAM AS REQUIRED TO SUPPORT SIDE RIM BOARDS. INSIDE CORNERS OF FRONT LSL AND SIDE LSL TO HAVE (2) A35 FRAMING ANGLES AS MANUFACTURED BY SIMPSON OR EQUAL.
- 6.124 WOOD FRAMING: SOLID 2x BLOCKING AS NOTED. ANCHOR USING (4)-16d NAILS U.N.O.
- 6.132 WOOD FRAMING: CONTINUOUS (2)-2x6 PRESSURE TREATED SILL PLATES. ATTACH TO FLOAT FLANGES WITH 1/2" GALVANIZED A325 THRU-BOLTS AND WASHERS. FASTEN PLATES TOGETHER ALONG THEIR LENGTH WITH (2)-16d NAILS AT 16" AT 16" O.C. LAP PLATES AT INTERSECTIONS/SPICE LOCATIONS AND FASTEN TOGETHER WITH (4)-16d NAILS.
- 6.133 WOOD FRAMING: FLOAT FLANGE BOLTING LOCATION.
- 6.171 WOOD FRAMING ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTOR AS NOTED MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.
- 6.700 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDS; SEE SPECIFICATIONS.
- 6.701 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDS; FASCIA BOARD; SEE SPECIFICATIONS.
- 6.753 WOOD FRAMING ACCESSORY: 4'-0"x4'-0"x24" TALL DOCK FLOAT; MINIMUM BUOYANCY LIFT = 1,800 LBS.
- 6.754 WOOD FRAMING ACCESSORY: MARINE GRADE SINGLE T MALE/FEMALE DOCK CONNECTOR HINGE; PROVIDE ALL HARDWARE REQUIRED FOR MOUNTING. PROVIDE STAINLESS STEEL CLEVIS PINS FOR HINGE CONNECTIONS.
- 6.755 WOOD FRAMING ACCESSORY: MARINE GRADE RAMP COVER PLATE; 55" WIDTH; PROVIDE ALL HARDWARE REQUIRED FOR MOUNTING; ORIENT HINGE DOWNWARDS WHEN MOUNTING TO PROVIDE SMOOTH TRANSITION FROM LANDINGS TO DOCK-BRIDGE.
- 6.757 WOOD FRAMING ACCESSORY: 1/4" STAINLESS STEEL WIRE ROPE FOR ANCHORING DOCK TO SHORELINE PIERS. SUBMIT CONNECTION HARDWARE TO ENGINEER FOR REVIEW AND APPROVAL.
- 6.758 WOOD FRAMING ACCESSORY: STAINLESS STEEL LOOP HARDWARE. INSTALL IN TAUGHT CONDITION. SUBMIT CONNECTION HARDWARE TO ENGINEER FOR REVIEW AND APPROVAL.
- 6.759 WOOD FRAMING ACCESSORY: STAINLESS STEEL 1/2" EYE-BOLT WITH THREADED END TO BE RECEIVED BY SIMPSON TIE; PROVIDE DOUBLE NUTTING AS DEPICTED TO HOLD TIGHT TO RIMBOARD.
- 31.229 EXISTING BEDROCK: ELEVATION TO BE DETERMINED IN FIELD.
- 31.230 EXISTING BEDROCK: REMOVE AND REGRADE AS REQUIRED FOR NEW WORK; BY OTHERS.



ENGLARDE FLOAT LAYOUT PLAN
SCALE: 1/4" = 1'-0" 2

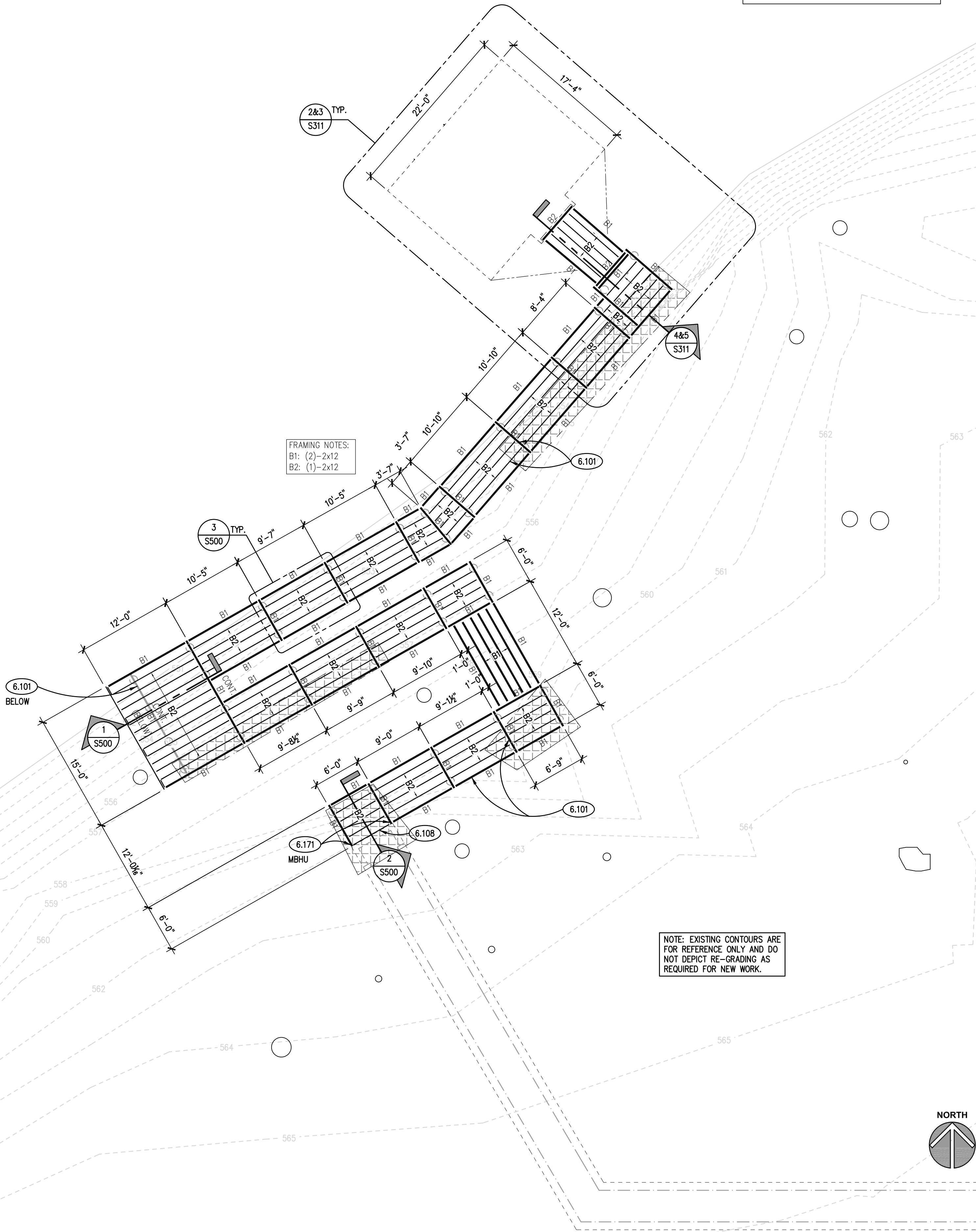


ENLARGED DOCK AND BRIDGE FRAMING PLAN
SCALE: 1/4" = 1'-0" 3

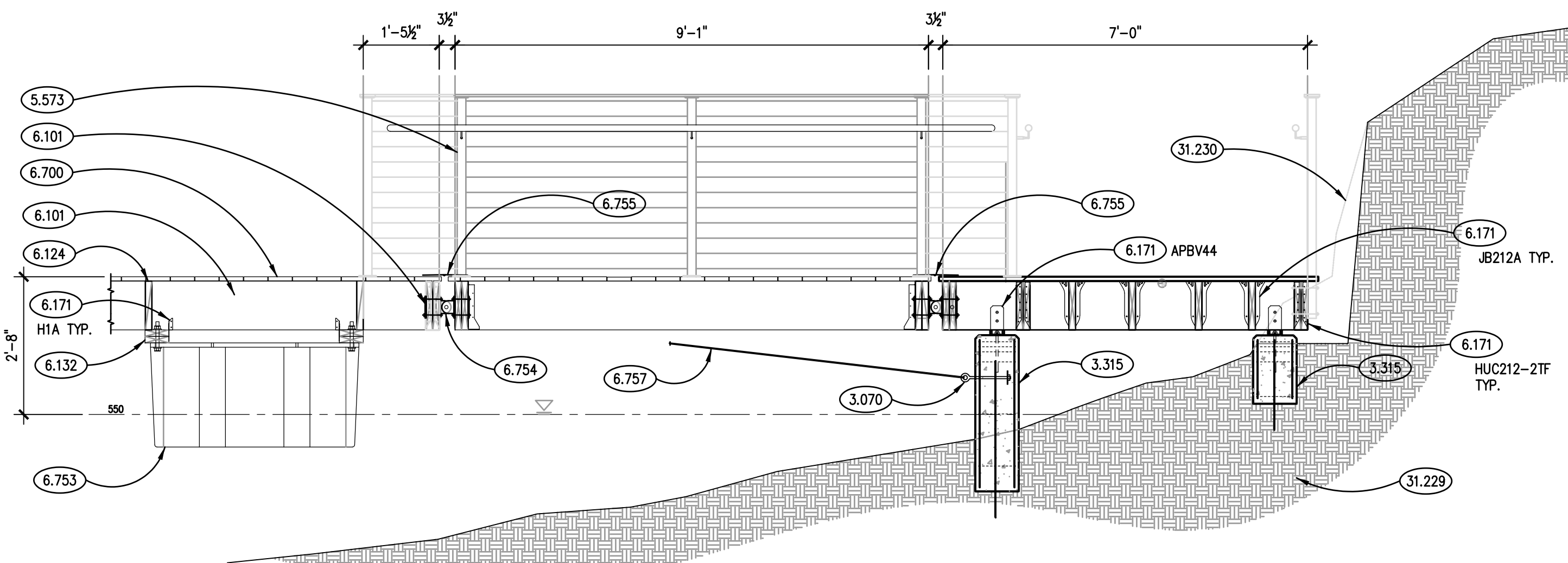


SECTION
SCALE: 1" = 1'-0" 6

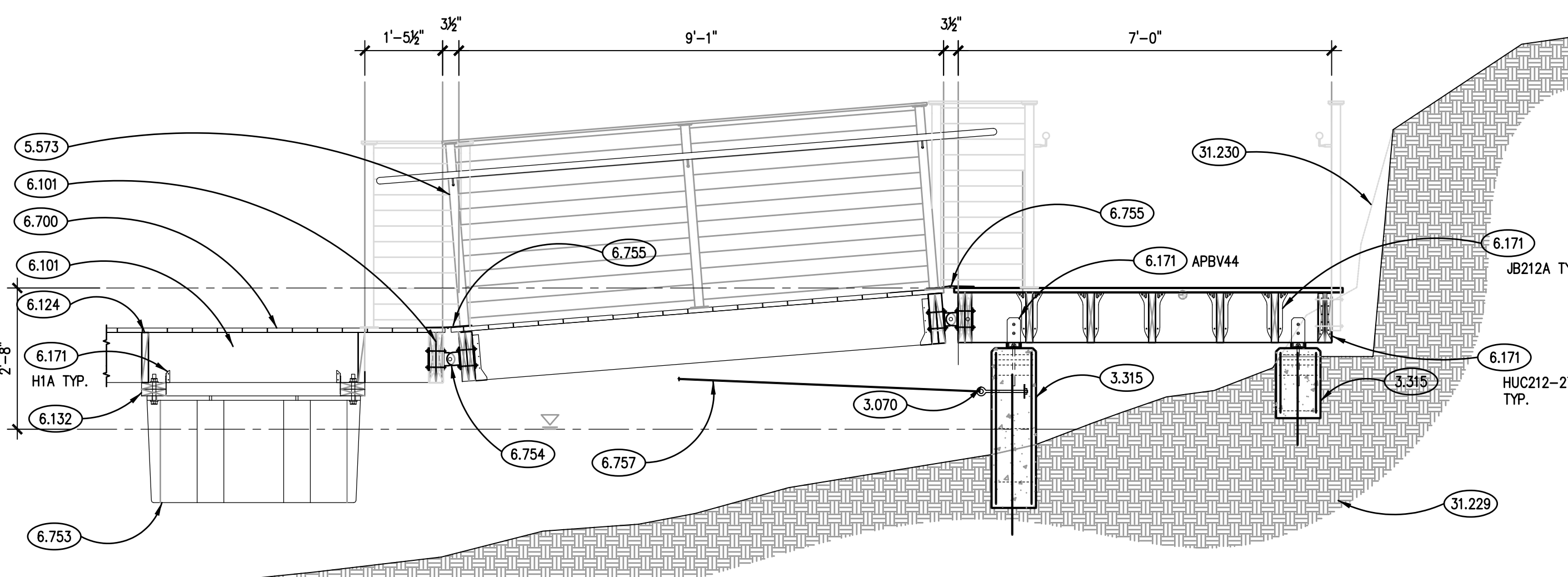
FRAMING NOTE: AFTER FRAMING IS ERECTED AND BEFORE DECKING IS INSTALLED, ALL TOP EDGES OF MEMBERS SHALL HAVE SELF-ADHESIVE BUTYL TAPE APPLIED ALONG LENGTH OF MEMBERS.



BOARDWALK FRAMING PLAN
SCALE: 1/8" = 1'-0" 1

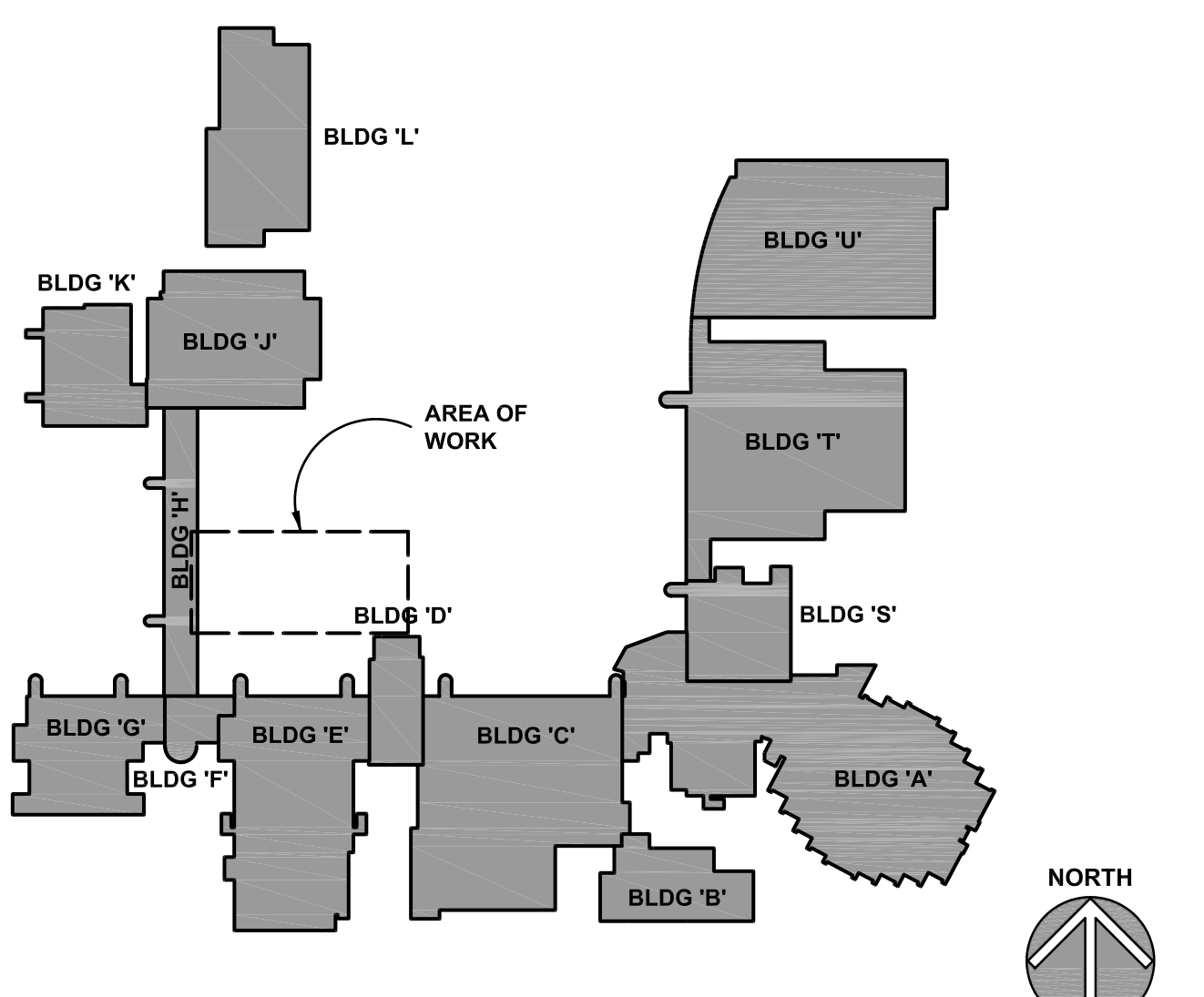


SECTION
SCALE: 1/4" = 1'-0" 4



SECTION
SCALE: 1/4" = 1'-0" 5

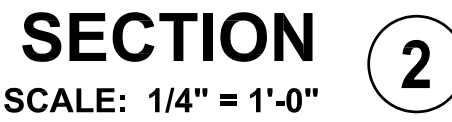
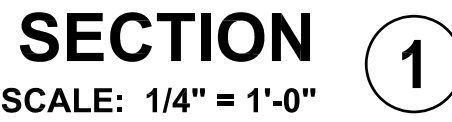
KEY PLAN



ISSUED	
DESIGNED	
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SHEET TITLE	
BOARDWALK FRAMING PLAN	
SHEET NUMBER	
S311	

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- 3.31.13 CONCRETE FORMING AND ACCESSORIES: CONTINUOUS RADIOUS EDGE. PROVIDE 1/2" RADIOUS U.N.O.
- 3.32.22 CONCRETE REINFORCING: #5 BENT DOMELS @ 0'-0" O.C. HORIZONTAL LEGS = 2'-6", VERTICAL LEGs = 2'-0" DEPT.
- 3.32.39 CONCRETE REINFORCING: #5 VERTICAL (EPOXY) DOWEL x 3'-0" LONG. ANCHOR INTO EXISTING COMPETENT BEDROCK USING INJECTION ADHESIVE/EPXY SYSTEM per PROJECT SPECIFICATIONS. EMBEDMENT TO BE 1'-0" U.N.O. IF OVERALL CONCRETE HEIGHT IS LESS THAN 2'-0", FIELD TIRM BAR LENGTH AS REQUIRED TO KEEP WITHIN CONCRETE.
- 3.32.42 CONCRETE REINFORCING: CONCRETE REINFORCEMENT AS NOTED. PROVIDE 2'-0" BENDS BACK INTO SIDES OF RAMP TURNING EDGES.
- 3.33.04 CAST-IN-PLACE CONCRETE: EXTERIOR SLAB-ON-GRADE. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH. REFER TO SCHEDULE FOR REINFORCING.
- 3.33.15 CAST-IN-PLACE CONCRETE: CONCRETE. REFER: REFER TO PLAN, SCHEDULE AND DETAILS FOR REQUIRED REINFORCING. REFER TO SPECIFICATIONS FOR MIX TYPE AND FINISH.
- 3.37.1 CAST-IN-PLACE CONCRETE: MISCELLANEOUS (INJECTED ANCHOR ROD; DIAMETER APPLICABLE TO SIMPSON PRODUCT; ANCHOR INTO CONCRETE PER USING INJECTION ADHESIVE/EPXY SYSTEM per PROJECT SPECIFICATION. EMBEDMENT TO BE 12" U.N.O.)
- 5.57.3 METAL FABRICATION: DECORATIVE METAL GUARDRAIL SYSTEM. STAINLESS STEEL WITH HORIZONTAL CABLE INFILL; INTEGRATED ADA STAINLESS STEEL HANDRAIL WHERE DEPICED; SEE SPECIFICATIONS.
- 5.57.4 METAL FABRICATION: 1/2" DIAMETER NOMINAL STAINLESS STEEL HANDRAIL ALONG PAVED RAMP SURFACE EDGES; PROVIDE POST SUPPORTS @ 5'-0" O.C. AND INTEGRATE BOTTOM OF RAILING INTO DECORATIVE RAILING SYSTEM FOR SMOOTH TRANSITION. CORE AND SECT POST WITH 2" DIAMETER x 4" DEEP EXTERIOR FOR-RK ROD PER SPECIFICATIONS.
- 6.100 WOOD FRAMING: LOAD BEARING WALL. SEE PLAN, SCHEDULE AND DETAILS FOR SIZE, SPECIES AND SPACING.
- 6.100 WOOD FRAMING: BEAM/JOIST. SEE PLAN, SPECIFICATIONS AND DETAILS FOR SIZE AND SPECIES.
- 6.101 WOOD FRAMING: CONTINUOUS 2X LEDGER TO MATCH SIZE AND SPECIES OF JOISTS. ATTACH TO CONCRETE FLOOR JOISTS @ 12" TYPICAL ANGLES @ 12" O.C. MIN. PROVIDE STAINLESS STEEL WASHERS TO OFFSET BOARD 1/4" FROM CONCRETE SURFACE.
- 6.11.11 WOOD FRAMING: CONTINUOUS PERIMETER SLJ. PRESSURE TREATED RM BOARD TO MATCH DEPTH OF JOISTS/BEAM/ ATTACH TO EACH JOIST/BEAM USING (3)-16d NAILS. CONTAILER ENDS BEYOND LAST JOIST/BEAM AS REQUIRED TO SUPPORT SIDE RM BOARDs. INSIDE CORNERS OF FRONT SLJ AND SIDE SLJ TO HAVE (2) 3X5 FRAMING ANGLES AS REQUIRED TO SUPPORT RM BOARDs BY SIMPSON OR EQUAL.
- 6.12.22 WOOD FRAMING: 2X SOLID BLOCKING BETWEEN JOISTS AS REQUIRED FOR RAILING CONNECTION. ANCHOR TO JOISTS USING (3)-16d NAILS (END NAILS) EACH END U.N.O.
- 6.12.24 WOOD FRAMING: SOLID 2X BLOCKING AS NOTED. ANCHOR USING (4)-16d NAILS U.N.O.
- 6.12.26 WOOD FRAMING: ACCESSORY: LIGHT GAUGE WOOD CONSTRUCTION CONNECTION AS NOTED MANUFACTURED BY SIMPSON OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NAIL TYPE AND QUANTITIES RESULTING IN THE MAXIMUM TABULATED CAPACITIES.
- 6.700 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDs; SEE SPECIFICATIONS.
- 6.701 WOOD FRAMING: STRUCTURAL COMPOSITE DECKING BOARDs; FASCA BOARD; SEE SPECIFICATIONS.
- 6.756 WOOD FRAMING ACCESSORY: PROVIDE GALVANIZED STEEL STRIPS AS REQUIRED TO LEVEL BASE SUPPORT.
- 3.31.29 EXISTING BEDROCK: ELEVATION TO BE DETERMINED IN FIELD.
- 3.31.20 EXISTING BEDROCK: REMOVE AND REGRADE AS REQUIRED FOR NEW WORK; BY OTHERS.



FRAMING NOTE: AFTER FRAMING IS ERECTED AND BEFORE DECKING IS INSTALLED, ALL TOP EDGES OF MEMBERS SHALL HAVE SELF-ADHESIVE BUTYL TAPE APPLIED ALONG LENGTH OF MEMBERS.

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DRAWN KSG
CHECKED JME
APPROVED JME

SECTIONS AND DETAILS

SHEET NUMBER

S500