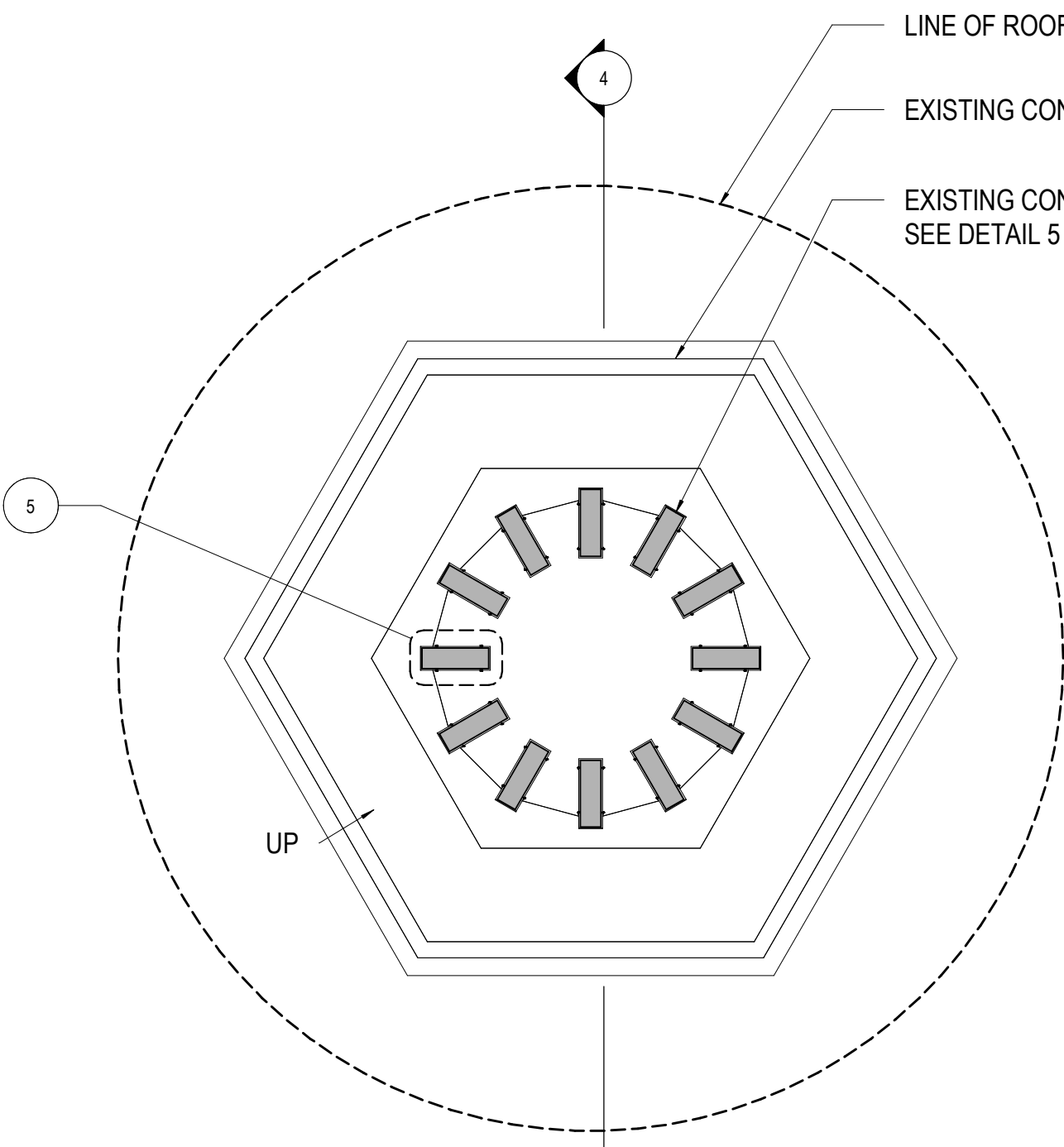
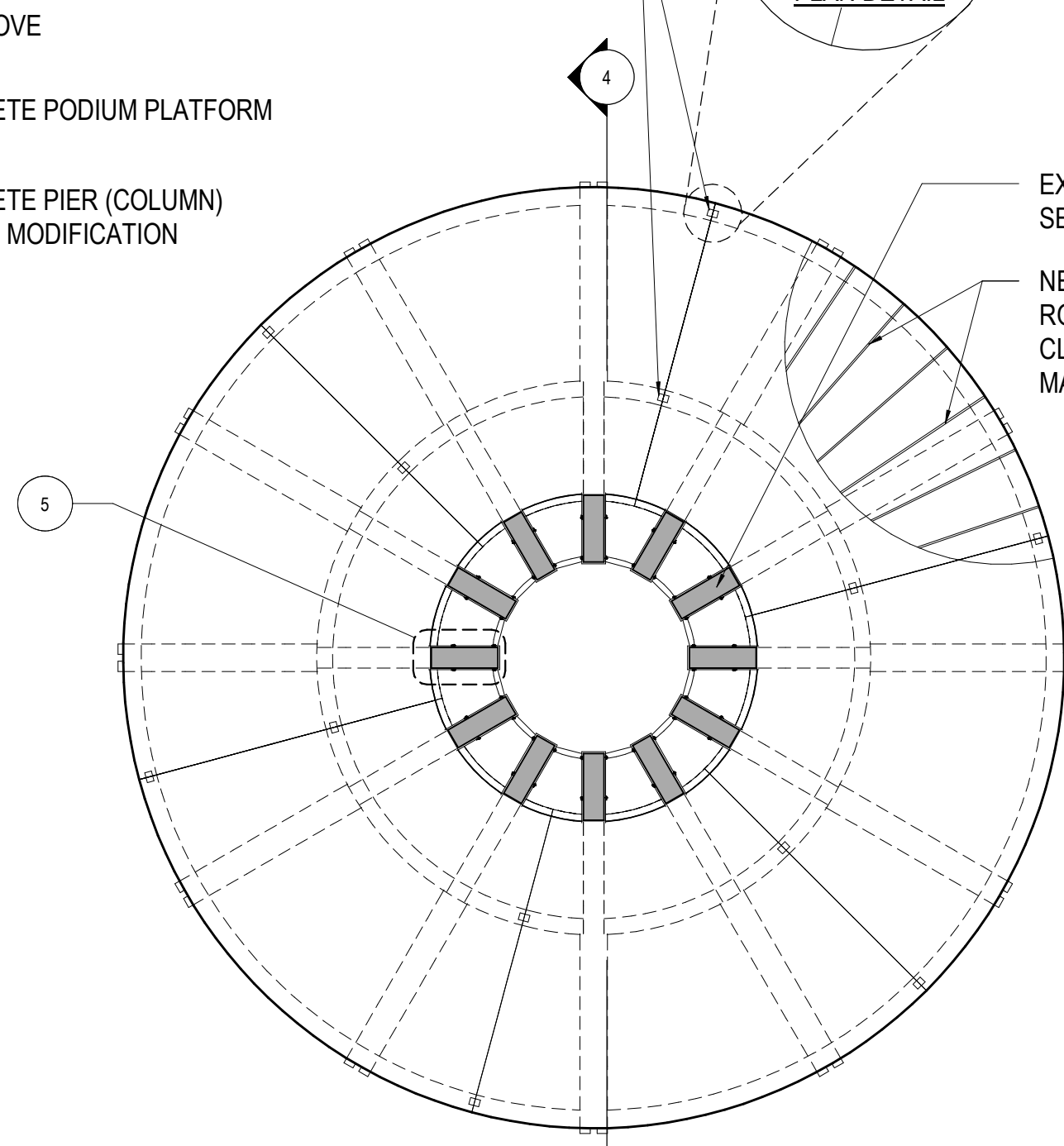


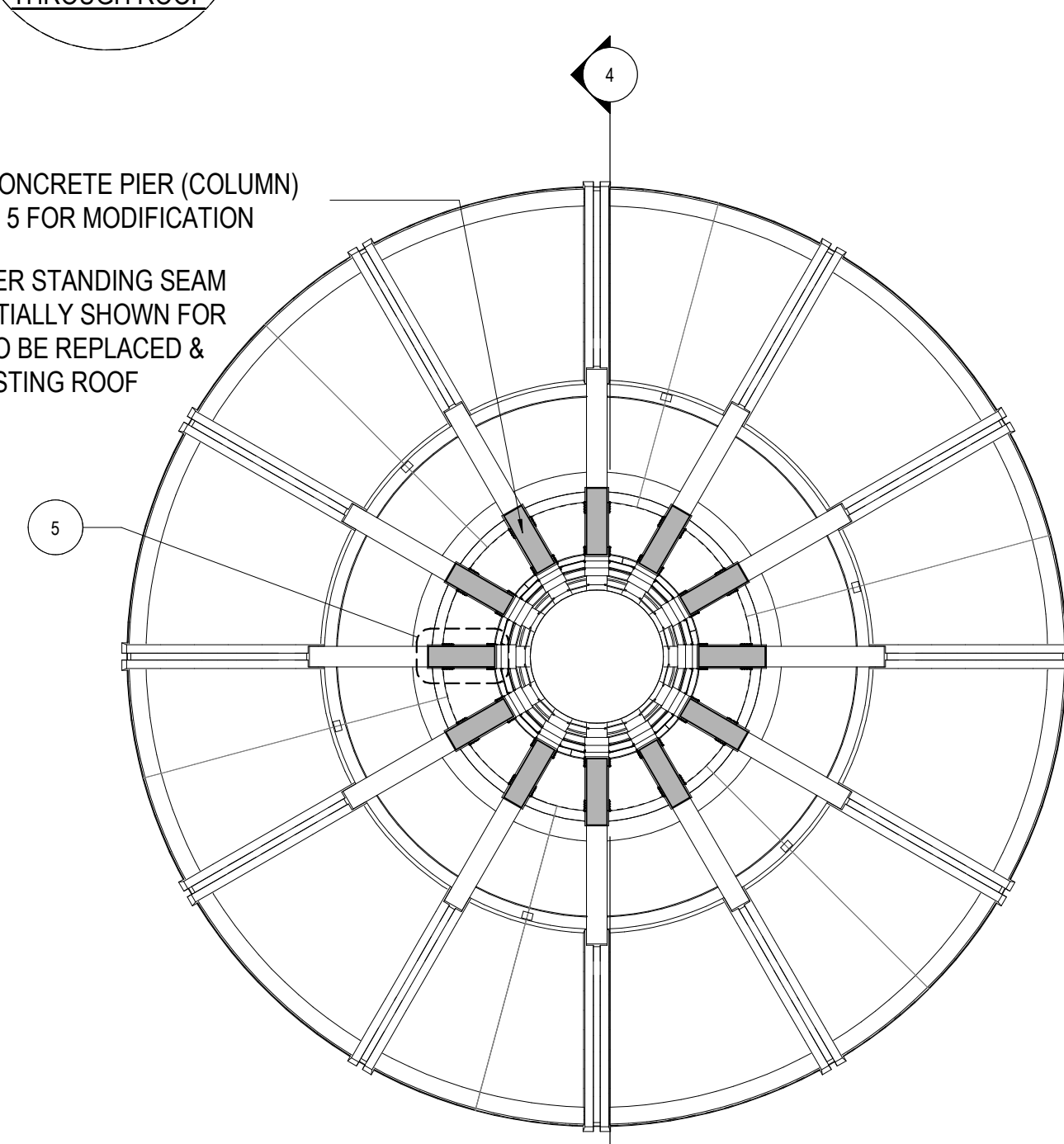
CHIP OUT (E) CONCRETE FROM TOP OF STRUCTURE (UNDER COPPER ROOF PANELS) AND ADD STAINLESS STEEL PLATES WELDED TO (E) ANGLES. REPLACE CONCRETE VOID WITH NON-SHRINK GROUT. TYPICAL OF TWO LOCATIONS FOR EVERY ROOF PANEL JOINT, 12 LOCATIONS EVERY LEVEL.



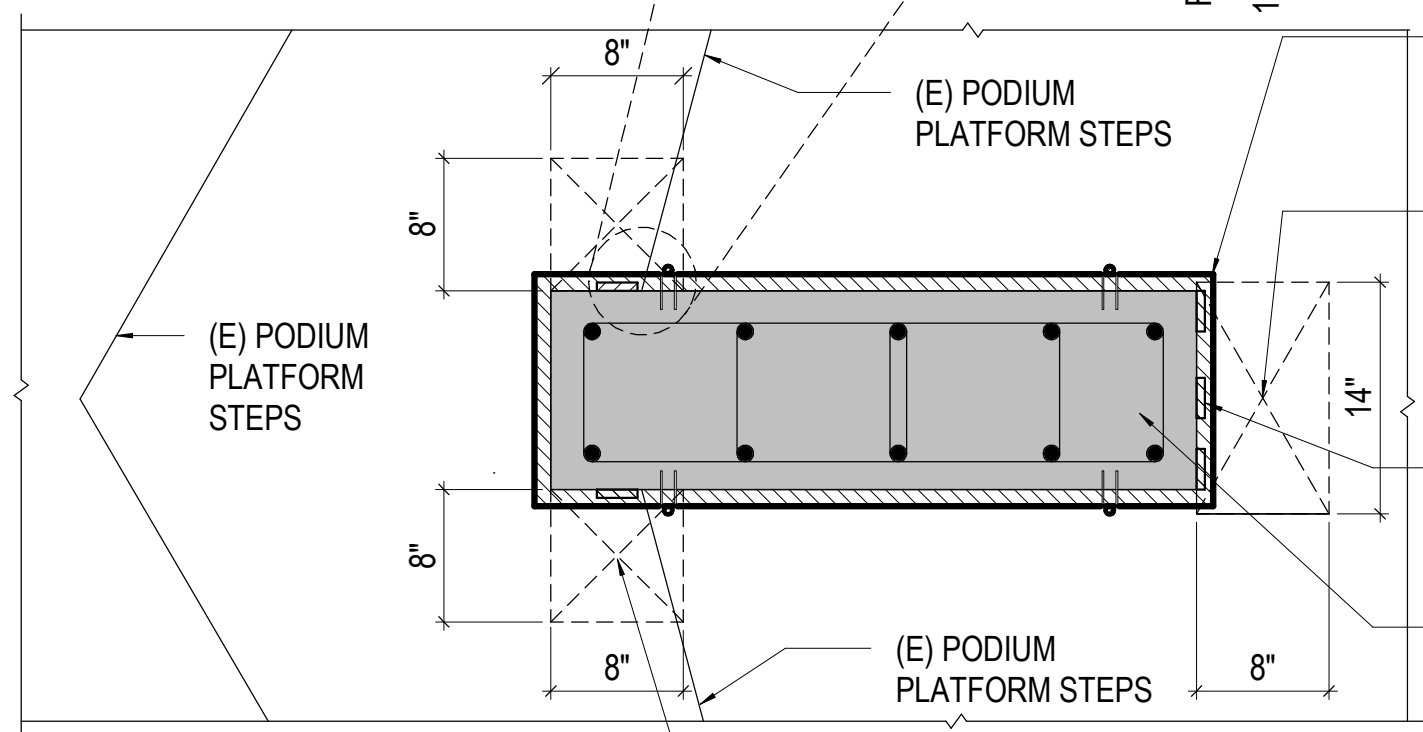
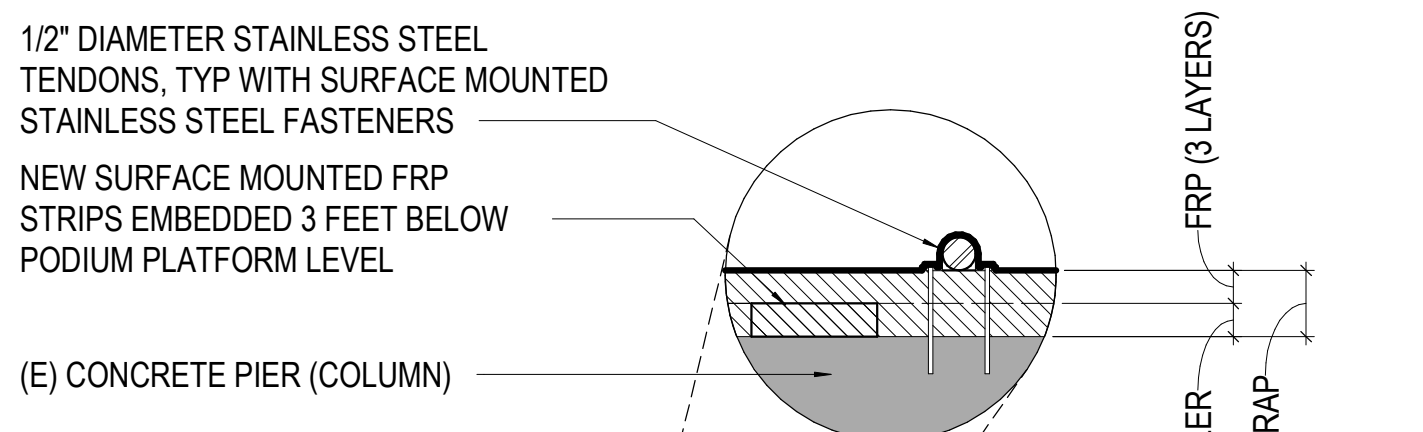
1 - PAGODA BASE PLAN



2 - FIRST STORY ROOF PLAN



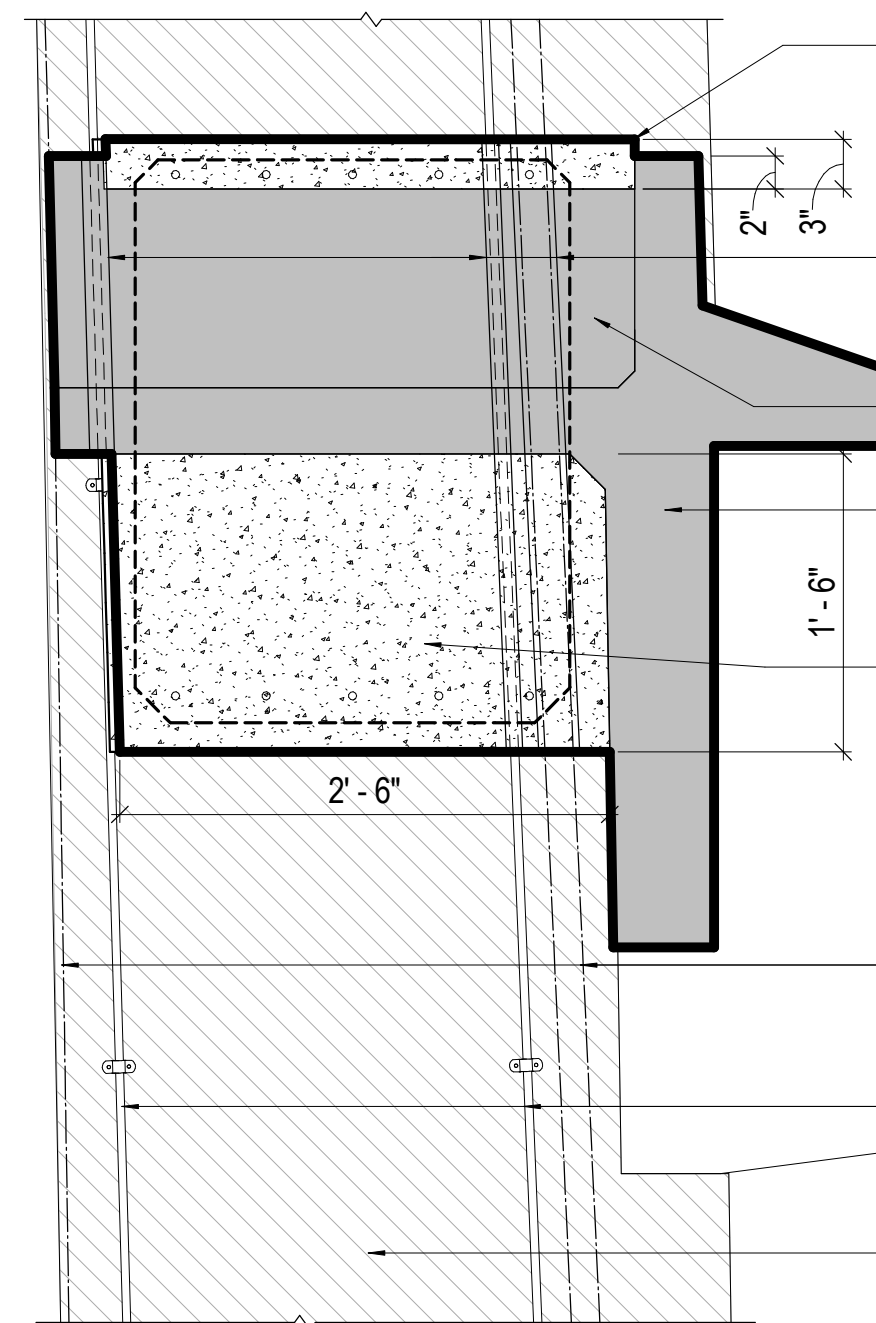
3 - FIRST STORY REFLECTED CEILING PLAN



5 - PLAN DETAIL - CONCRETE PIER (COLUMN) TYPICAL

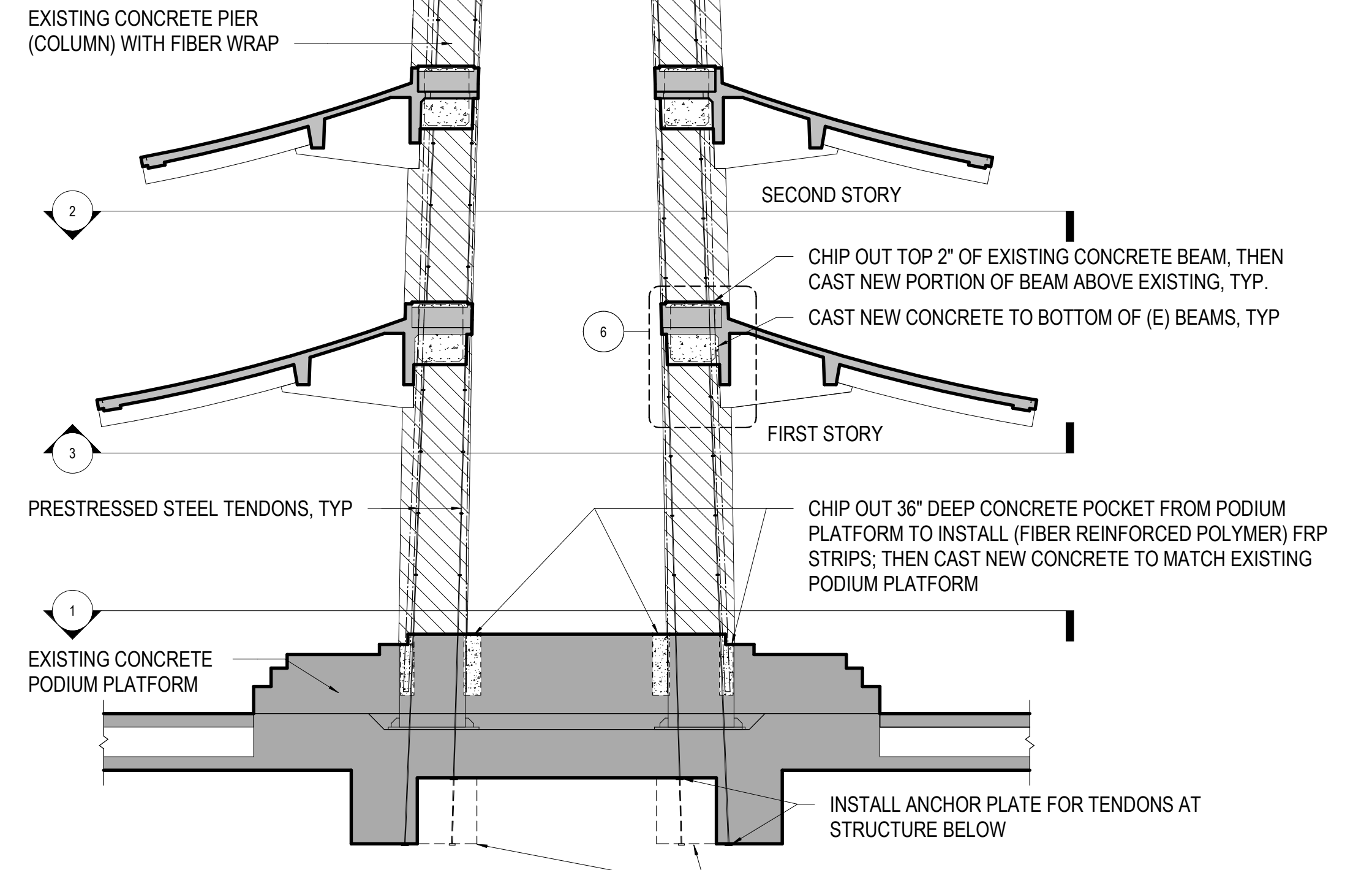
NEW 1" THICK (FIBER REINFORCED POLYMER) FRP WRAP AROUND CONCRETE PIER (COLUMN), PAINTED TO MATCH EXISTING ADJACENT COLUMN TEXTURE
CHIP OUT 3/8" DEEP CONCRETE POCKET FROM PODIUM PLATFORM TO INSTALL (FIBER REINFORCED POLYMER) FRP STRIPS; THEN CAST NEW CONCRETE TO MATCH EXISTING PODIUM PLATFORM
NEW SURFACE MOUNTED FRP STRIPS EMBEDDED 3 FEET BELOW PODIUM PLATFORM LEVEL
(E) CONCRETE PIER (COLUMN)

CHIP OUT 3/8" DEEP CONCRETE POCKET FROM PODIUM PLATFORM TO INSTALL (FIBER REINFORCED POLYMER) FRP STRIPS; THEN CAST NEW CONCRETE TO MATCH EXISTING PODIUM PLATFORM



6 - SECTION DETAIL - REINFORCED RING BEAM

TO INCREASE MASS ABOVE BEAM CHIP OUT TOP 2" OF EXISTING CONCRETE BEAM, THEN CAST NEW PORTION OF BEAM ABOVE EXISTING
NEW EMBEDDED STAINLESS STEEL SLEEVES FOR TENDON AND FRP STRIPS, TYP AT 1ST AND 2ND STORY OVERHEAD (E) BEAMS
(E) CAST IN PLACE CONCRETE CIRCULAR BEAM
(E) PRECAST CONCRETE ROOF PANEL, TYP. EVERY STORY
CAST NEW CONCRETE & REINFORCEMENT TO BOTTOM OF (E) BEAMS, TYP
NEW FRP STRIPS (5, PER COLUMN) UNDER 3-LAYERS OF FIBER WRAP.
NEW 1/2" DIAMETER STAINLESS STEEL TENDON (4, PER COLUMN)
NEW 1" THICK (FIBER REINFORCED POLYMER) FRP WRAP AROUND (E) CONCRETE PIER (COLUMN)



4 - PAGODA SECTION

LEGEND

- EXISTING/ORIGINAL MATERIAL
- PROPOSED/NEW CONCRETE
- PROPOSED/NEW FRP (FIBER REINFORCED POLYMER) WRAP, STRIPS AND FILLER SAME MATERIAL
- PROPOSED/NEW STEEL

ABBREVIATIONS

- FRP - FIBER REINFORCED POLYMER
- (E) - EXISTING
- TYP. - TYPICAL

(E) "HOSHU" GOLDEN FLAMING HEAD
(E) "KURIN" NINE RING BRONZE SPIRE

NEW COPPER STANDING SEAM ROOF TO BE REPLACED & MATCH EXISTING ROOF IN MATERIAL, DESIGN, DIMENSIONS AND FINISH
NEW STAINLESS STEEL ANCHOR PLATES TO TERMINATE PRESTRESSED STEEL TENDONS BELOW ROOF TOP & BOTTOM OF GARAGE CEILING STRUCTURE
NEW CONCRETE CIRCULAR BEAM BETWEEN (E) RAFTERS

FIFTH STORY (ROOF PANEL)

FOURTH STORY

THIRD STORY

SECOND STORY

FIRST STORY

EXISTING CONCRETE PIER (COLUMN) WITH FIBER WRAP

2

3

1

PRESTRESSED STEEL TENDONS, TYP

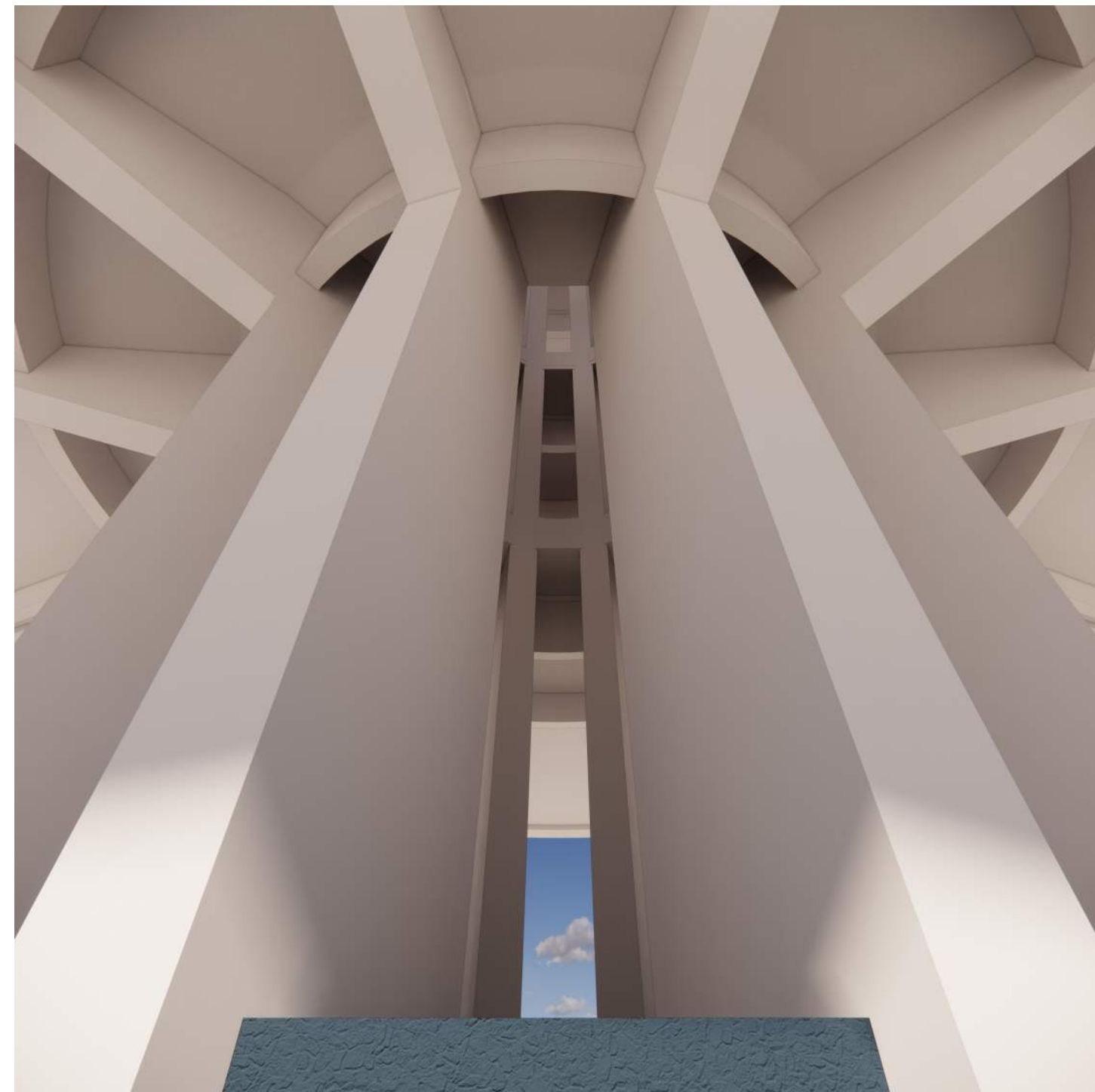
EXISTING CONCRETE PODIUM PLATFORM

CHIP OUT TOP 2" OF EXISTING CONCRETE BEAM, THEN CAST NEW PORTION OF BEAM ABOVE EXISTING, TYP.
CAST NEW CONCRETE TO BOTTOM OF (E) BEAMS, TYP

CHIP OUT 3/8" DEEP CONCRETE POCKET FROM PODIUM PLATFORM TO INSTALL (FIBER REINFORCED POLYMER) FRP STRIPS; THEN CAST NEW CONCRETE TO MATCH EXISTING PODIUM PLATFORM

INSTALL ANCHOR PLATE FOR TENDONS AT STRUCTURE BELOW

ADDITIONAL CONCRETE FOR ANCHOR PLATE BEARING MAY BE NEEDED, PENDING ADDITIONAL MODELING / CALCULATIONS



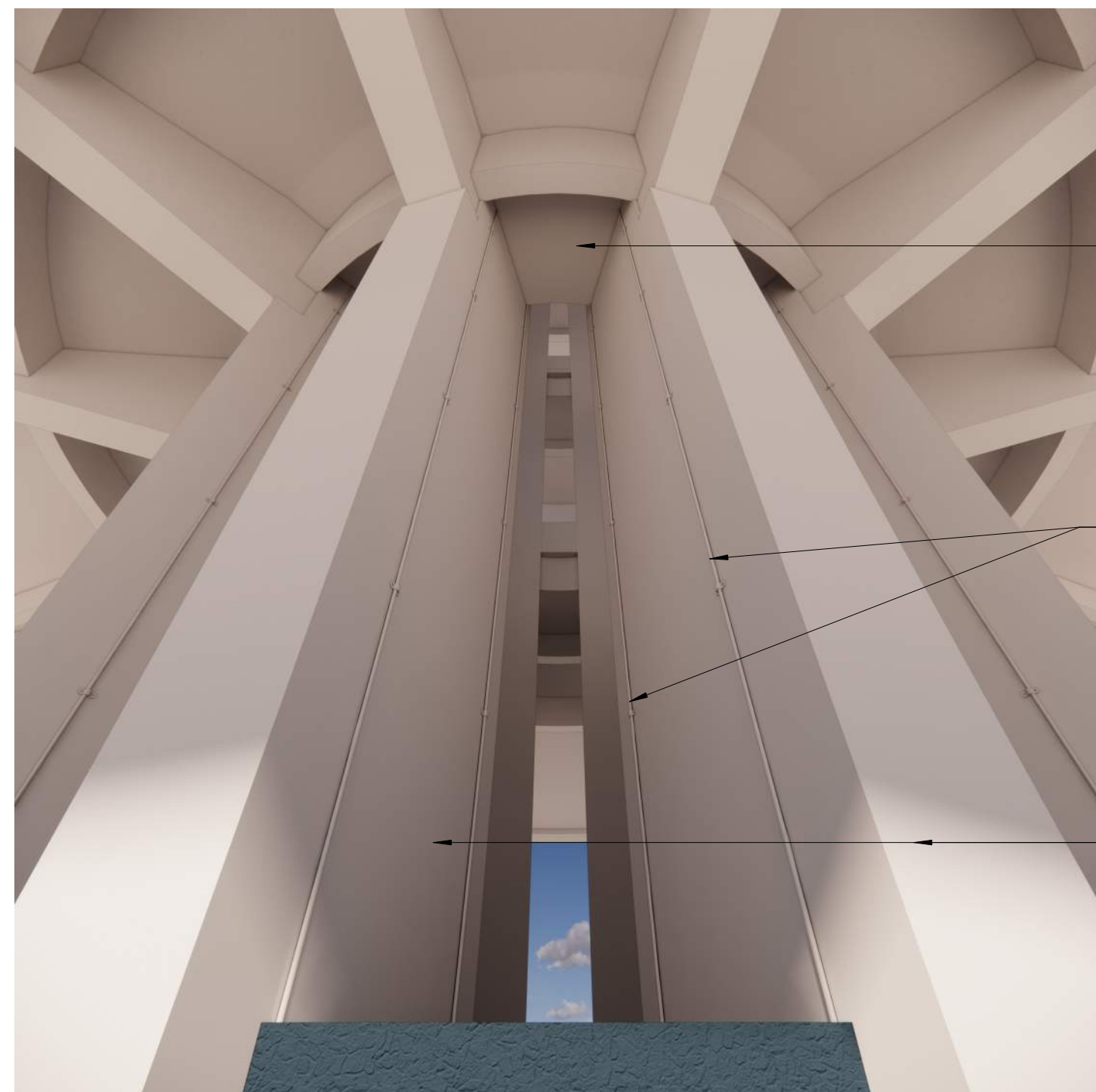
7 - (E) CONCRETE PIERS (COLUMNS)



8 - (E) INNER CORE LOOKING UP



9 - (E) CONCRETE PIERS (COLUMNS)



NEW CONCRETE RING BEAM, TYP

NEW 1/2" DIAMETER STEEL TENDON ATTACHED TO PIER (COLUMN) WITH SURFACE MOUNTED BRACKET

NEW FRP WRAP, TYP

10 - PROPOSED - CONCRETE PIERS (COLUMNS)



11 - PROPOSED - INNER CORE LOOKING UP



NEW CONCRETE RING BEAM, TYP

NEW 1/2" DIAMETER STEEL TENDON ATTACHED TO PIER (COLUMN) WITH SURFACE MOUNTED BRACKET

NEW FRP WRAP, TYP

12 - PROPOSED - CONCRETE PIERS (COLUMNS)