

HAWAII OCEAN PLAZA

Honolulu, Hawaii

T.M.K. PARCELS (3) 2-3-016:018, 019 AND 020

FOUNDATION PERMIT SET

Hawaii Ocean Plaza LP

Office Address:

1441 Kapiolani Boulevard, Suite 1700

Honolulu, Hawaii 96814



ARCHITECT:
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

NOTE: CONTRACTOR SHALL CHECK
AND VERIFY ALL DIMENSIONS AT JOB
BEFORE PROCEEDING WITH WORK.

CALIFORNIA
INVESTMENT
REGIONAL
CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
T.M.K. 2-3-016: 018 / 019 / 020

INTERIM
REVIEW SET

DATE 2020 June 15

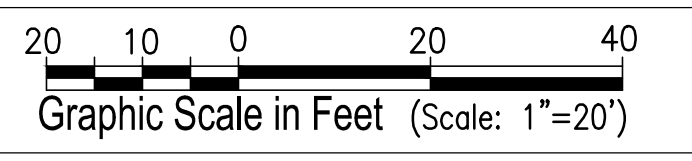
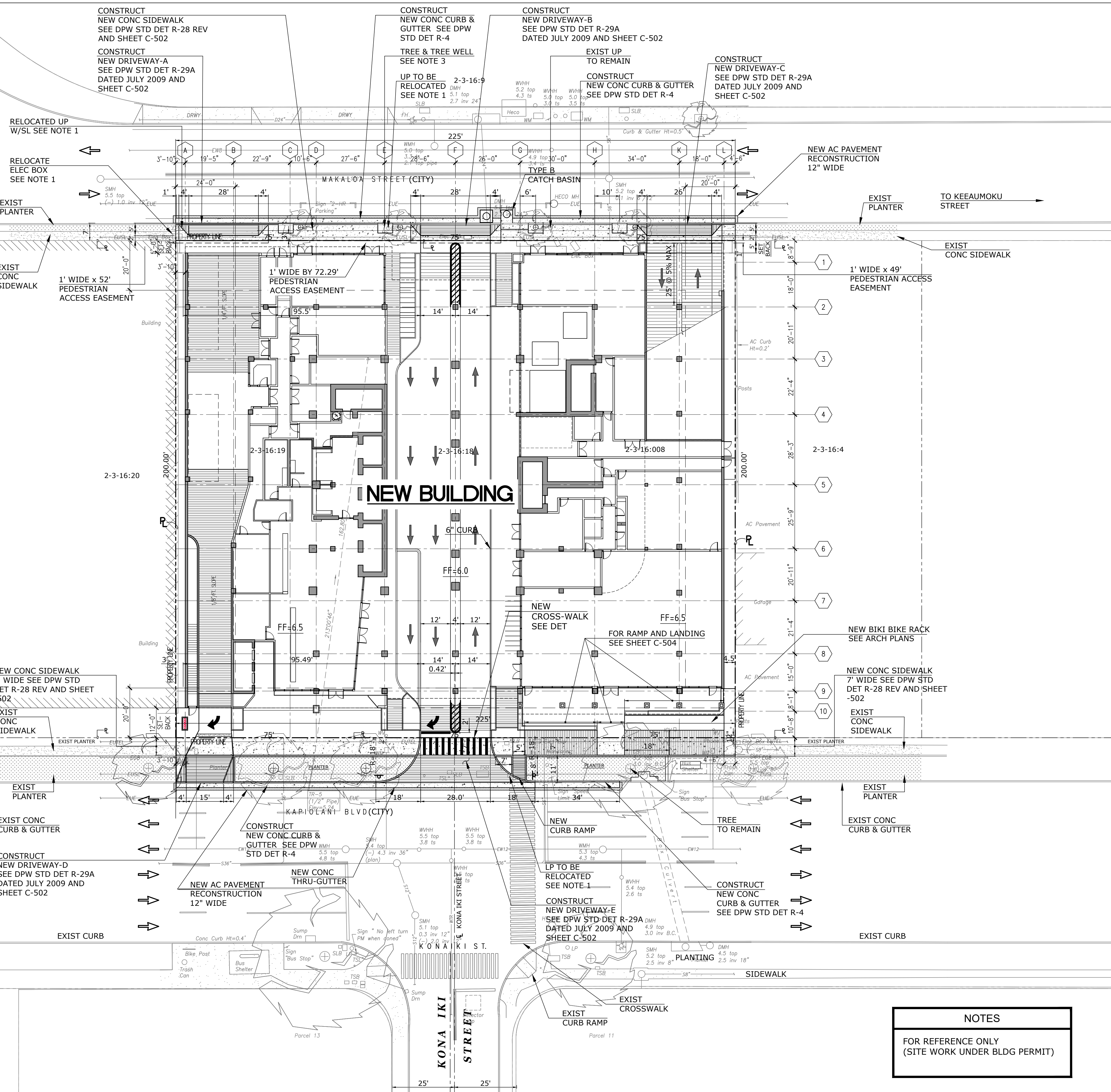
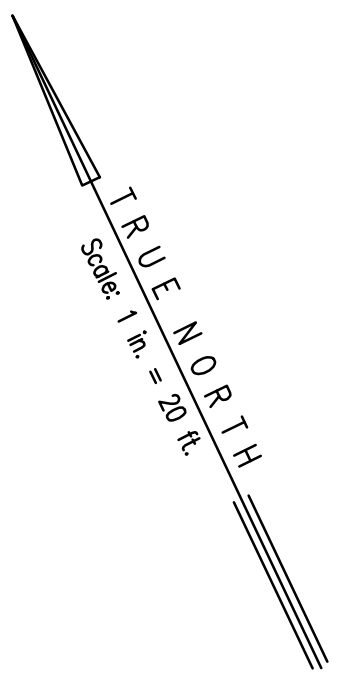
PROJECT # 16009

SHEET CONTENT:

COVER SHEET

SHEET NO.

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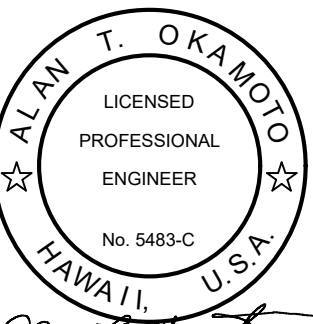
NOTES
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(SITE WORK UNDER BLDG PERMIT)

SITE PLAN

SCALE: 1" = 20'



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DEVELOPER:
CALIFORNIA INVESTMENT
REGIONAL CENTER, LLC

PROJECT OWNER:
HAWAII OCEAN PLAZA, LP

Hawaii Ocean Plaza
Honolulu, Hawaii
TMK. 2-3-16: 018/ 019/ 020

FOUNDATION PERMIT
DRAWINGS

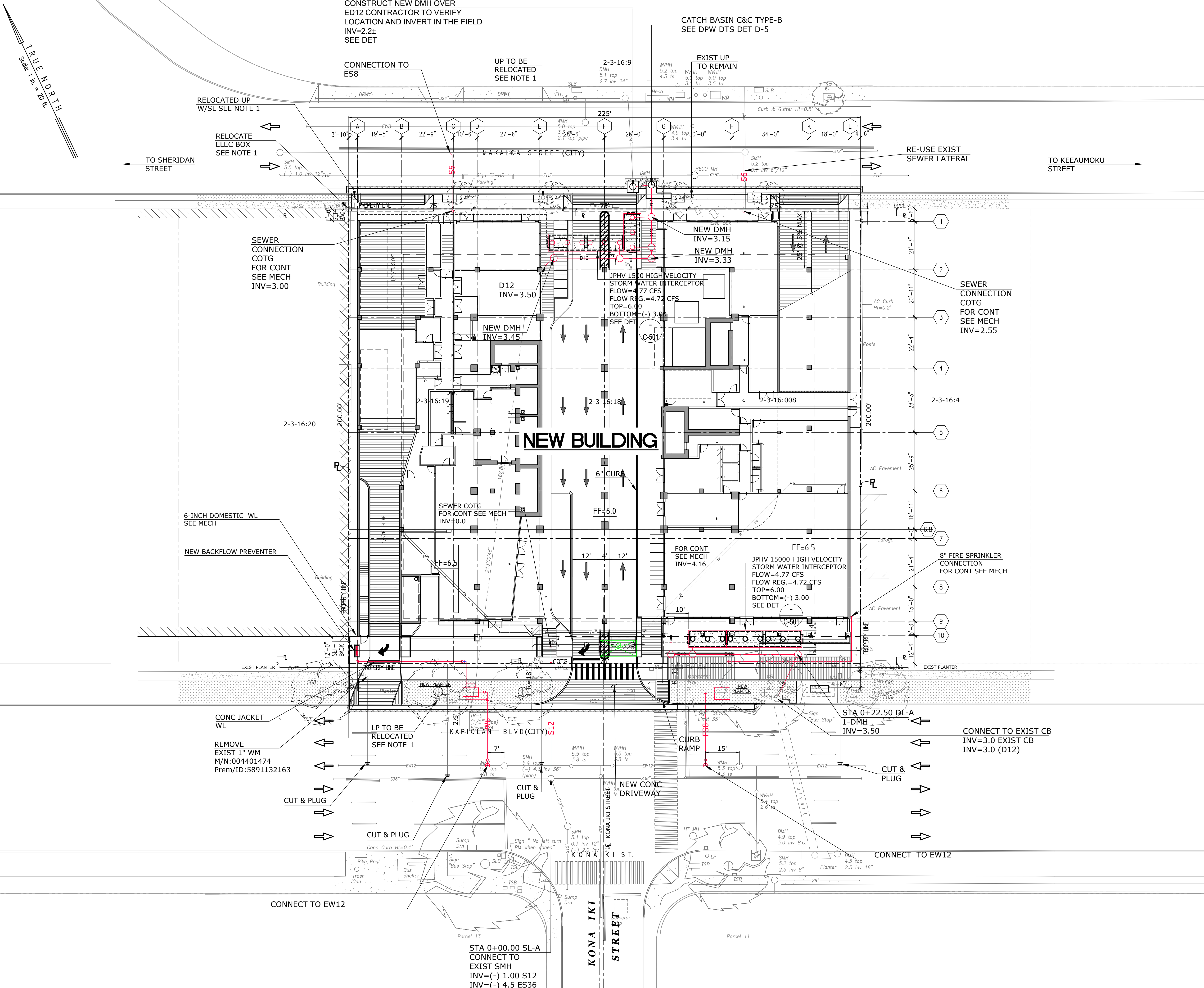
DATE: 2020 JUNE

PROJECT # 16009
REVISIONS

SHEET TITLE
SITE
PLAN

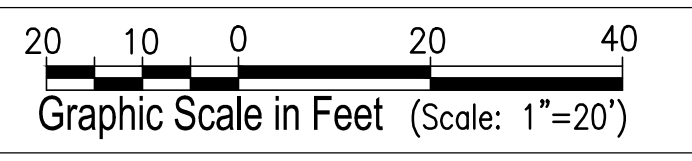
SHEET NO.
CF-103

2953 Hawaii Ocean Plaza-CFoundation/HIDA, OKAMOTO & ASSOCIATES, INC.



NOTES

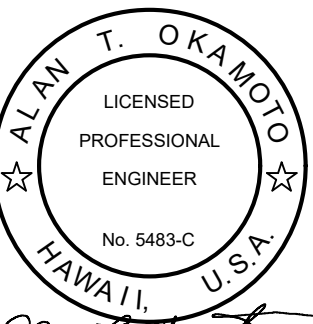
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UTILITY PLAN
SCALE: 1" = 20'



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T.M.K. 2-3-16: 018/ 019/ 020

FOUNDATION PERMIT
DRAWINGS

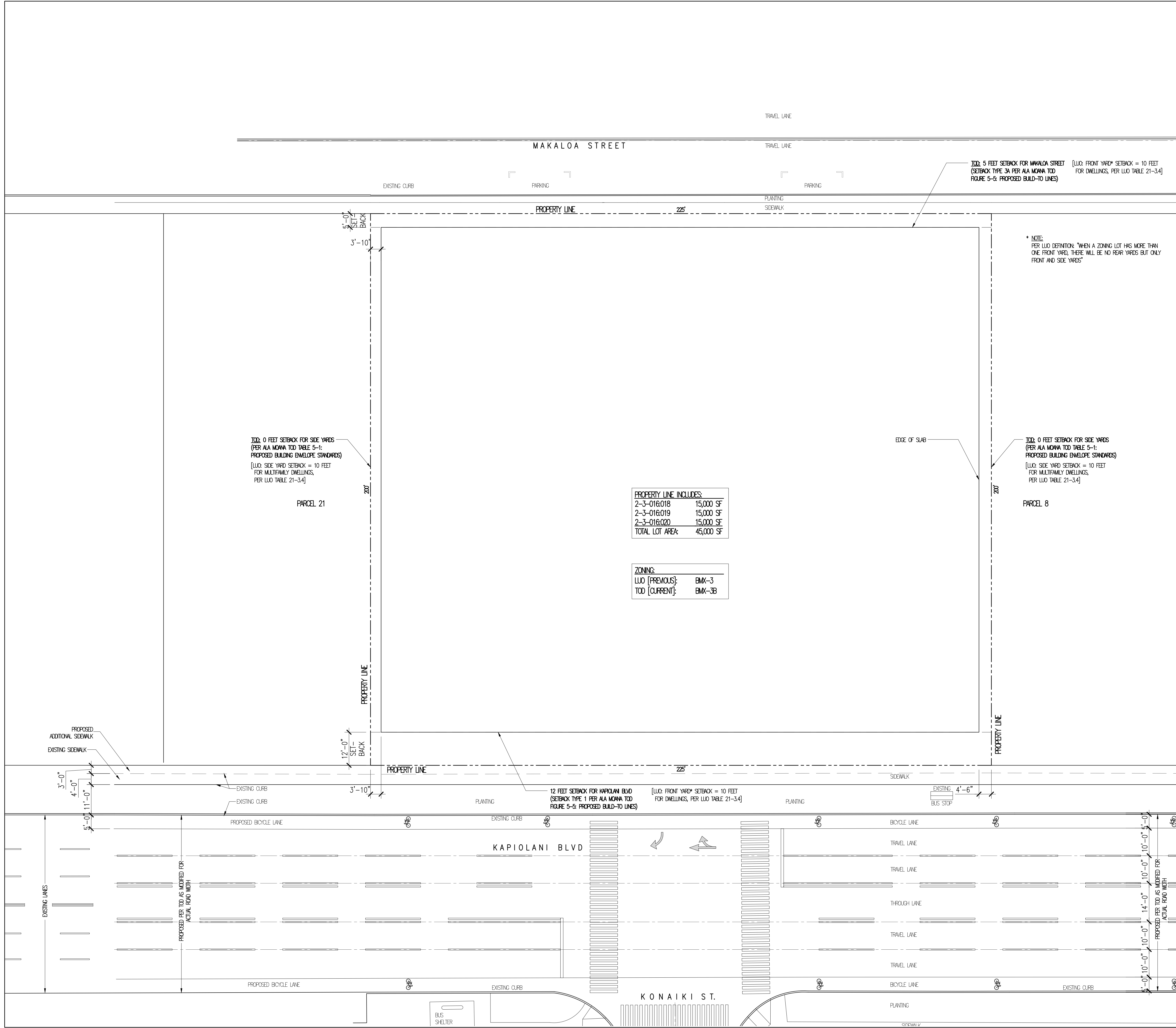
DATE: 2020 JUNE

PROJECT # 16009
REVISIONS

SHEET TITLE
UTILITY PLAN

SHEET NO.

CF-104



STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER. 2012 NFPA 1.

SECTION 18-5.2 RETENTION OF PLANS: ONE SET OF APPROVED PLANS, SPECIFICATION, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS. (SEC. 18-5.2 R.O. 1978 (1983 ED); AM. ORD. 93-59)



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Hawaii Ocean Plaza
Honolulu, Hawaii
T.M.K. 2-3-016:018/019/020

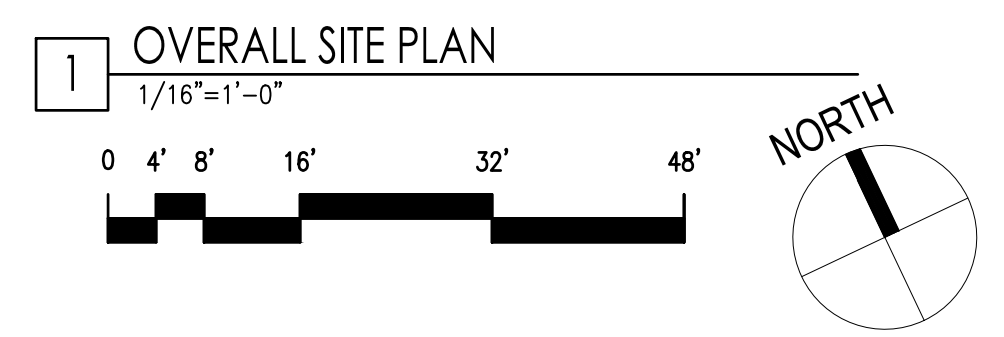
INTERIM REVIEW SET

DATE 2020 June 15

PROJECT # 16009

SHEET CONTENT: OVERALL SITE PLAN

SHEET NO. A0.100



STRUCTURAL GENERAL NOTES

GENERAL

- 1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
2. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT TO BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, WIND, SEISMIC, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE MEASURES.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATIONS PROCEDURES, INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
4. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL FLOOR AND WALL OPENINGS, FLOOR FINISHES, SLOPES, DEPRESSIONS, ETC.
5. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCTS, PIPES AND ALL PIPE SLEEVES, ELECTRICAL CONDUITS AND OTHER ITEMS TO BE EMBEDDED IN CONCRETE OR OTHERWISE INCORPORATED IN STRUCTURAL WORK. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
6. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
7. SPECIAL NOTE: THE ARCHITECTURAL DRAWINGS ARE CONSIDERED A PART OF THE STRUCTURAL DESIGN AND ARE TO BE USED TO DEFINE DETAIL CONFIGURATIONS, SUCH AS THE RELATIVE LOCATION OF STRUCTURAL MEMBERS, ITS ELEVATIONS, HOLES & OPENINGS, ETC.
8. DESIGN CRITERIA

- A. CODE
1. 2006 INTERNATIONAL BUILDING CODE (2006 IBC) AND CITY AND COUNTY OF HONOLULU AMENDMENTS.
B. DESIGN LIVE LOADS
1. RESIDENTIAL.....40 PSF
2. PARKING.....40 PSF
3. ROOF.....20 PSF
4. EXITS AND STAIRS.....100 PSF
5. PUBLIC AREAS.....100 PSF
C. WIND DESIGN DATA
1. DESIGN WIND SPEED.....105 MPH
2. WIND IMPORTANCE FACTOR, Iw.....1.0
3. WIND EXPOSURE.....B
4. INTERNAL PRESSURE COEFFICIENT.....+/- 0.18
5. Kzt.....1.25
6. Kd.....0.75
D. EARTHQUAKE DESIGN DATA
1. SEISMIC IMPORTANCE FACTOR, IE.....1.0
2. OCCUPANCY CATEGORY.....II
3. Ss.....0.615g
4. Si.....0.179g
5. SITE CLASS.....C
6. Sps.....0.473g
7. Spt.....0.193g
8. SEISMIC DESIGN CATEGORY.....C
9. BASIC SEISMIC FORCE RESISTING SYSTEM.....ORDINARY REINFORCED CONCRETE SHEAR WALLS
10. RESPONSE MODIFICATION FACTOR, R.....5
11. ANALYSIS PROCEDURE USED.....EQUIVALENT LATERAL FORCE PROCEDURE

- 9. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION. PRODUCT SPECIFICATIONS WITH ICBO REPORTS SHALL BE SUBMITTED TO THE ARCHITECT FOR HIS REVIEW WHEN REQUIRED.
10. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
DIMENSIONS AND ALL WORK SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF ANY DISCREPANCIES DO OCCUR, THE CONTRACTOR SHALL BRING THIS TO THE IMMEDIATE ATTENTION OF THE ENGINEER FOR POSSIBLE MODIFICATION AND NECESSARY REDESIGN TO ACCOMMODATE FIELD CONDITIONS.

FOUNDATION

- 1. FOUNDATION DESIGN IS BASED ENTIRELY ON GEOTECHNICAL REPORT AND AMENDMENTS BY MASA FUJIOKA & ASSOCIATES PROJECT NUMBER 16689-003 DATED APRIL 02, 2020.
2. THE CONTRACTOR SHALL REVIEW THE SOILS REPORT AND COMPLY WITH ALL OF ITS REQUIREMENTS. THE SOILS REPORT IS A PART OF THIS PROJECT CONSTRUCTION DOCUMENTS.
3. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER, OR SEEPAGE.
4. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, AND SHORING REQUIRED TO SAFELY RETAIN THE EARTH BANKS.
5. EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE SOILS ENGINEER PRIOR TO PLACING THE CONCRETE. CONTRACTOR SHALL NOTIFY SOILS ENGINEER WHEN EXCAVATION IS READY FOR INSPECTION.
6. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE OR CMU HAS ATTAINED FULL DESIGN STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH.

CONCRETE

- 1. ALL CONCRETE UNLESS OTHERWISE NOTED, SHALL BE REGULAR WEIGHT HARD ROCK (150 PCF) AND SHALL CONFORM TO ASTM C-33. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE I.
2. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318-05) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.
3. STRUCTURAL CONCRETE 28-DAYS MINIMUM STRENGTH (UNLESS OTHERWISE NOTED):
GRADE BEAMS AND TIE BEAMS.....4,000 PSI
SLAB ON GRADE.....4,000 PSI
PILECAPS.....5,000 PSI
POST-TENSIONING CONCRETE.....6,000 PSI
ALL OTHER CONCRETE.....4,000 PSI
COLUMN.....SEE SCHEDULE
4. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SUBMITTED TO THE ENGINEER FOR REVIEW.
5. CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCEMENT BARS SHALL BE AS FOLLOWS:
A. CONCRETE POURED DIRECTLY AGAINST EARTH.....3" CLEAR TO REINFORCING
B. CONCRETE EXPOSED TO EARTH OR WEATHER.....1 1/2" CLEAR FOR #5 BAR OR SMALLER 2" FOR #6 BAR OR LARGER
C. SLAB ON GRADE.....1 1/2" CLEAR AT TOP
D. SUSPENDED SLAB NOT EXPOSED TO EARTH OR WEATHER.....3/4" CLEAR FOR #11 OR SMALLER
6. ALL REINFORCING BARS, ANCHOR BOLTS, EMBEDDED HOLDOWNS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
7. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENING IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCEMENT IN CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
8. CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30 PERCENT OF SLAB THICKNESS AND SHALL BE PLACED UNDER THE LAYER OF REINFORCEMENT UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL NOT BE ALLOWED, EXCEPT WHERE DETAILED FOR OPENINGS ARE PROVIDED.
9. ALL EVAPORATION RETARDER SHALL BE USED TO PREVENT PLASTIC SHRINKAGE FORMATION OF ALL SLABS. (EG. EUCOBAR, CONFILM, SIKAFILM, OR EQUIVALENT).

CONCRETE MASONRY (CMU)

- 1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N-II, NORMAL WEIGHT.
2. PORTLAND CEMENT TYPE SHALL BE AS SPECIFIED FOR CONCRETE.
3. REINFORCING BARS - SEE NOTES UNDER "REINFORCING STEEL" FOR REQUIREMENTS.
4. MORTAR MIX SHALL CONFORM TO ASTM C270, TYPE S, AND ATTAIN A COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.
5. GROUT SHALL CONFORM TO ASTM C476, AND ATTAIN A COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
6. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
7. USE LOW LIFT CONSTRUCTION: MAXIMUM GROUT POUR HEIGHT IS 5 FT.
8. GROUT ALL CELLS SOLID UNLESS OTHERWISE NOTED.
9. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTING SHALL BE SET TO ALIGN W/ CORES CONTAINING REINFORCING STEEL.
10. CONCRETE SURFACES SHALL BE CLEANED OF ALL LAITANCE PRIOR TO SETTING BLOCKS.
11. ALL WALL SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE TEXTURE AND HEIGHT OF UNITS, LAYING PATTERNS AND JOINT TYPE.
12. PREFABRICATED REINFORCING-BAR-POSITIONERS SHALL BE USED TO CORRECTLY LOCATE AND SECURE VERTICAL AND HORIZONTAL REINFORCING STEEL IN MASONRY WALLS.
13. USE VIBRATOR TO CONSOLIDATE ALL GROUT.
14. IF WORK IS STOPPED LONGER THAN ONE (1) HOUR, PROVIDE HORIZONTAL CONSTRUCTION JOINT BY STOPPING THE GROUT 1 1/2" BELOW THE TOP OF THE BLOCK.
15. TOPS OF NON-BEARING CMU WALLS SHALL BE LATERALLY CONNECTED TO STRUCTURAL FRAMING OR SLABS, TYP.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR DESIGN FABRICATION AND ERECTION FOR STRUCTURAL STEEL FOR BUILDINGS (LATEST EDITION AND SUPPLEMENTS).
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
A. STRUCTURAL SHAPES - ASTM A992 (50 KSI)
B. TENSION RODS, MISC. SHAPES AND PLATES - ASTM A36.
C. STRUCTURAL STEEL TUBES - ASTM A500, GRADE B.
D. STEEL PIPE - ASTM A501.
3. BOLTS SHALL CONFORM TO THE FOLLOWING:
A. STEEL BOLTING - ASTM A325 TYPE N, NON-SLIP CRITICAL EXCEPT AS NOTED.
B. ANCHOR BOLTS AND RODS - ASTM A307 OR A36.
4. BOLT HOLES IN STRUCTURAL STEEL MEMBERS SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OR BOLT USED, EXCEPT AS NOTED. TORCH CUTTING OF BOLT HOLES NOT ALLOWED.
5. HEADED STUDS (NELSON STUDS) SHALL CONFORM TO ASTM A108, GRADE 1050 OR 1020, TYPE B.

- 6. ALL WELDS SHALL BE IN CONFORMANCE WITH THE STRUCTURAL WELDING CODE (AWS D1.1 LATEST EDITION) OF THE AMERICAN WELDING SOCIETY, REFER TO THE SPECIFICATIONS. ALL WELDS SHALL CONFORM TO E70XX ELECTRODES EXCEPT AS NOTED. CONTRACTOR SHALL PROVIDE WELDING CERTIFICATES FOR ALL FIELD WELD PERSONNEL.
7. STRUCTURAL STEEL PROTECTION
A. ALL EXPOSED (TO WEATHER) STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
B. ALL OTHER STRUCTURAL STEEL WHICH IS NOT EXPOSED TO WEATHER SHALL BE PRIMED WITH A FAST CURING, LEAD AND CHROMATE FREE UNIVERSAL MODIFIED -ALKYD PRIMER COMPLYING WITH FS TT-P-664. MINIMUM COATING THICKNESS OF 1.5 MILS.
8. ALL STRUCTURAL STEEL ENCASED IN CONCRETE OR MASONRY SHALL BE LEFT UNPAINTED.
9. ALL GROUT (OR DRYPACK) BELOW BASE PLATES, BEAMS BEARING ON CONCRETE WALLS, ETC., SHALL BE NON SHRINK, NON METALLIC (FC=6000 PSI).
10. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT OF ALL STRUCTURAL STEEL. ALL RELEVANT PENETRATIONS SHALL BE SHOWN.
11. CONTRACTOR TO SUBMIT SHOP DRAWINGS AND STRUCTURAL CALCULATIONS BY HAWAII LICENSED STRUCTURAL ENGINEER FOR ALL PRE-ENGINEERED STEEL STAIRS. SEE ARCHITECTURAL DRAWINGS FOR STAIR CONFIGURATION.

CODE-REQUIRED SPECIAL INSPECTION

THE OWNER SHALL EMPLOY SPECIAL INSPECTORS FOR THE FOLLOWING TYPES OF CONSTRUCTION AS PER IBC SECTION 1704:

- 1. CONCRETE PLACEMENT
2. REINFORCING STEEL AND PRESTRESSING STEEL PLACEMENT
3. STRUCTURAL MASONRY, REBAR PLACEMENT AND GROUTING
4. GROUTING OF COLUMN BASE PLATES
5. ANCHOR BOLT INSTALLATION INCLUDING ALL STEEL EMBED PLACEMENT INTO CONCRETE AND CMU MEMBERS
6. EPOXY GROUTED REBAR AND ANCHOR BOLTS, POST INSTALLED MECHANICAL ANCHORS.

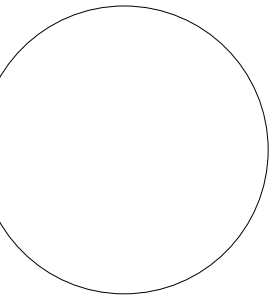
THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTOR QUALIFICATIONS FOR REVIEW. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS NO LATER THAN 5 WORKING DAYS AFTER THE INSPECTION IS PERFORMED. THE SPECIAL INSPECTOR SHALL SUBMIT A SIGNED FINAL REPORT TO THE BUILDING DEPARTMENT, OWNER, ARCHITECT, AND STRUCTURAL ENGINEER.

REINFORCING STEEL

- 1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318-05), AND "ACI DETAILING MANUAL" LATEST EDITION (SP-66) AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
2. REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60 REQUIREMENTS.
3. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
5. WELDED FIRE FABRIC (WVF), IF USED, SHALL CONFORM TO ASTM A-185. FOR SLABS ON GRADE LAP A MIN. OF 6" OR ONE FULL MESH, WHICHEVER GREATER.
6. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
7. DOWELS BETWEEN FOOTING AND WALL / COLUMNS SHALL BE ONE SIZE LARGER, THE SAME GRADE AND SPACING / NUMBER AS THE VERTICAL REINFORCING, U.O.II.
8. WELDING OF REINFORCEMENT STEEL SHALL CONFORM TO AWS D1.4 "AWS WELDING CODE-REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY. REINFORCING STEEL WHICH IS WELDED SHALL CONFORM TO ASM A706. REINFORCING STEEL NOT CONFORMING AT ASK A706 MAY BE USED IF MATERIAL PROPERTIES OF THE REINFORCING STEEL CONFORM TO AWS D1.4.
9. CONTRACTOR SHALL SUBMIT REBAR PLACEMENT SHOP DRAWINGS FOR ALL REBAR. SHOP DRAWINGS SHALL INCLUDE RELEVANT PENETRATIONS THROUGH WALLS, SLABS, BEAMS, ETC. SEE NOTE "3" SUPPLEMENTARY INFO. TO CONTRACTOR."



ALLISON IDE
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Signature
Expiration Date: 4/30/2022

This work was prepared by me or under my supervision. Construction of this project will be under my observation. Observation as defined in Section 16-115-2 of Hawaii Administrative Rules 9-12-02 Title 16, Chapter 115, Professional Engineers, Architects, Surveyors, and Landscape Architects.

CALIFORNIA
INVESTMENT
REGIONAL
CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
T.M.K. 2-3-016 : 018 / 019 / 020

FOUNDATION PERMIT

DATE May 27, 2020

PROJECT # 18.100

REVISIONS

- 2000 00-00

SHEET TITLE:
STRUCTURAL
GENERAL
NOTES

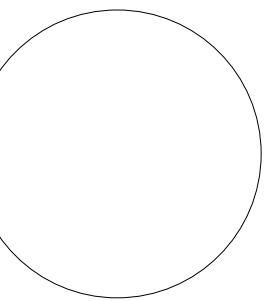
SHEET NO.
S001

STRUCTURAL ABBREVIATIONS:

&	AND	FDN	FOUNDATION	PART	PARTIAL
@	AT	FL	FLOOR	PL	PLATE
Ø	DIAMETER	F.O.C.	FACE OF CONCRETE	PLWD	PLYWOOD
		FIN	FINISH	P.P.	PARTIAL PENETRATION
A.B.	ANCHOR BOLT	FTG	FOOTING	PT	POINT
ALT	ALTERNATE				
APROX	APPROXIMATE	GA	GAUGE	RAD	RADIUS
ARCH	ARCHITECTURAL	GALV	GALVANIZED	REINF	REINFORCED, REINFORCEMENT
		G.L.	GRID LINE	REQD	REQUIRED
(B)	BOTTOM (REINFORCEMENT)	(H)	HORIZONTAL (REINFORCEMENT)	R.O.	ROUGH OPENING
BLDG	BUILDING				
BM	BEAM	HORIZ	HORIZONTAL	SCHED	SCHEDULE
BOT	BOTTOM	H.P.	HIGH POINT	SECT	SECTION
B.S.	BOTH SIDES			SHT	SHEET
BTWN	BETWEEN	I.D.	INSIDE DIAMETER (DIMENSION)	SIM	SIMILAR
		INFO	INFORMATION	SL	SLOPE
C.I.P.	CAST-IN-PLACE	INT	INTERIOR	S.O.G.	SLAB - ON - GRADE
C.J.	CONSTRUCTION JOINT	INTERM	INTERMEDIATE	SPECS	SPECIFICATIONS
CL	CENTERLINE			SQ	SQUARE
CLR	CLEAR(ANCE)	JT	JOINT	STD	STANDARD
C.M.U.	CONCRETE MASONRY UNIT			STIFF	STIFFENER
COL	COLUMN	LLH	LONG LEG HORIZONTAL	STRUCT	STRUCTURAL
CONC	CONCRETE	LLV	LONG LEG VERTICAL	SYM	SYMMETRICAL
CONN	CONNECTION	LONGIT	LONGITUDINAL		
C.P.	COMPLETE PENETRATION			(T)	TOP (REINFORCEMENT)
CONSTR	CONSTRUCTION	MAX	MAXIMUM	T & B	TOP & BOTTOM
CONT	CONTINUOUS	M.B.	MACHINE BOLT	THRU	THROUGH
		MECH	MECHANICAL	T.O.F.	TOP OF FOOTING
DBL	DOUBLE	MFR	MANUFACTURER	T.O.S.	TOP OF SLAB, TOP OF STEEL
DET	DETAIL	MIN	MINIMUM	T.O.W.	TOP OF WALL
DIA	DIAMETER	MISC	MISCELLANEOUS	TRANSV	TRANSVERSE
DIM	DIMENSION			TYP	TYPICAL
DWG	DRAWING	N.I.C.	NOT IN CONTRACT	U.O.N.	UNLESS OTHERWISE NOTED
		N.T.S.	NOT TO SCALE		
EA	EACH	O.C.	ON CENTER	(V)	VERTICAL (REINFORCEMENT)
E.F.	EACH FACE	O.D.	OUTSIDE DIAMETER	VERT	VERTICAL
E.J.	EXPANSION JOINT	O.F.	OUTSIDE FACE		
ELEV	ELEVATOR	O.H.	OPPOSITE HAND	W/	WITH
EQ	EQUAL	OPNG	OPENING	WD	WOOD
E.S.	EACH SIDE	OPP	OPPOSITE	W.W.F.	WELDED WIRE FABRIC
E.W.	EACH WAY				
EXP	EXPANSION				
EXT	EXTERIOR				
EXIST	EXISTING				



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Signature
Expiration Date: 4/30/2022

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**CALIFORNIA
INVESTMENT
REGIONAL
CENTER LLC**

**Hawaii Ocean Plaza
Honolulu, Hawaii**
T.M.K. 2-3-016 : 018 / 019 / 020

FOUNDATION PERMIT

DATE May 27, 2020

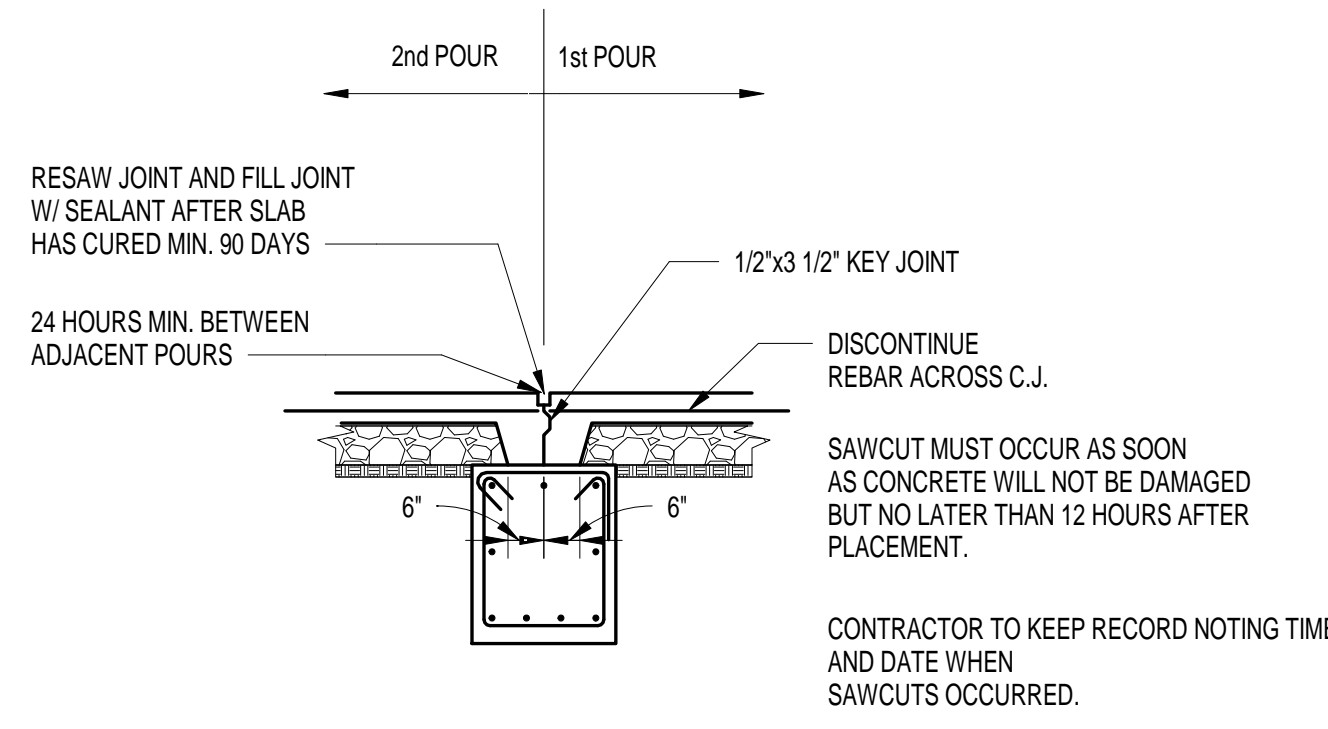
PROJECT # 18.100

REVISIONS

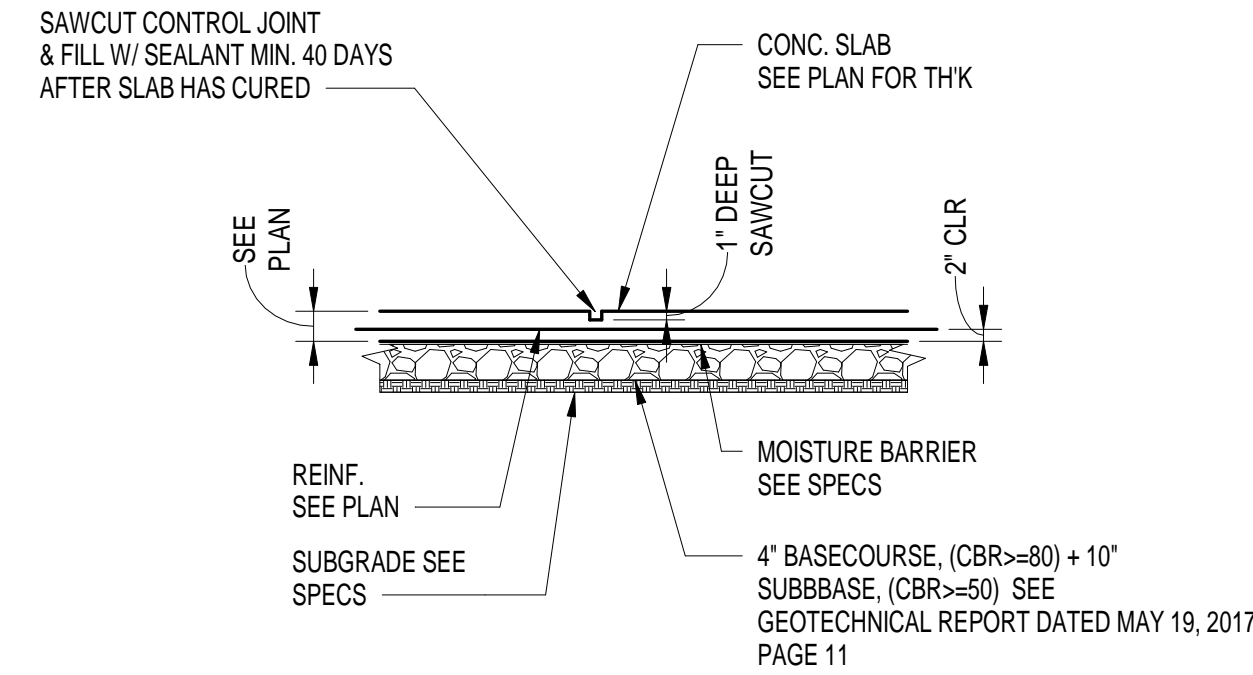
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SHEET TITLE:
ABBREVIATIONS

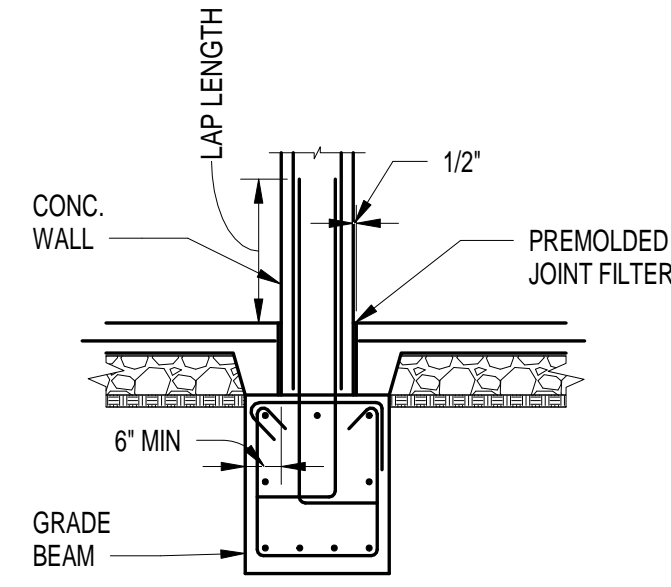
SHEET NO.
S002



A KEYED CONSTRUCTION JOINT (C.J.)



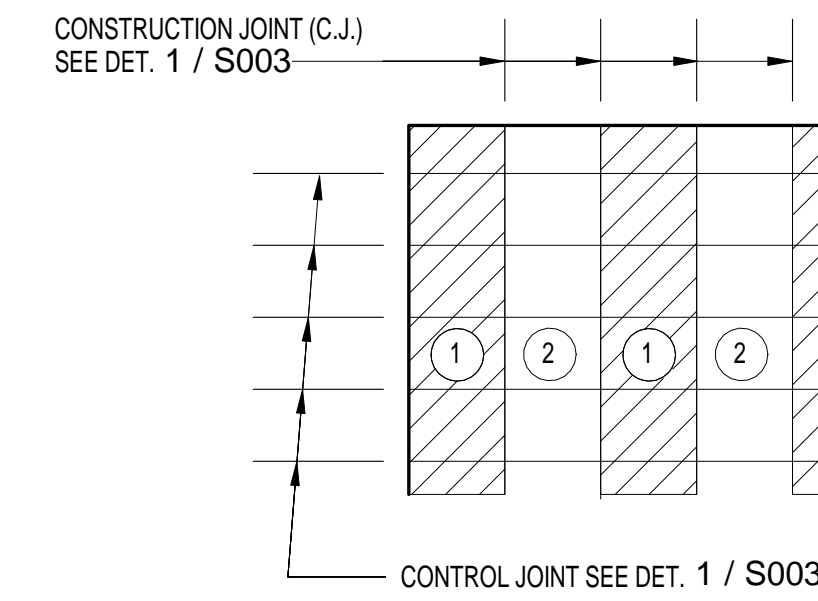
B CRACK CONTROL JOINT (C.C.J.)



C SLAB EDGE AT WALL

NOTE:

CONSTRUCTION JOINTS ARE REQUIRED WHERE SHOWN ON PLAN. IF JOINT PATTERN NOT SHOWN, PROVIDE JOINTS NOT EXCEEDING 14'-0" IN EITHER DIRECTION AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE (AT COLUMN CENTERLINES, HALF-BAYS, THIRD-BAYS.)



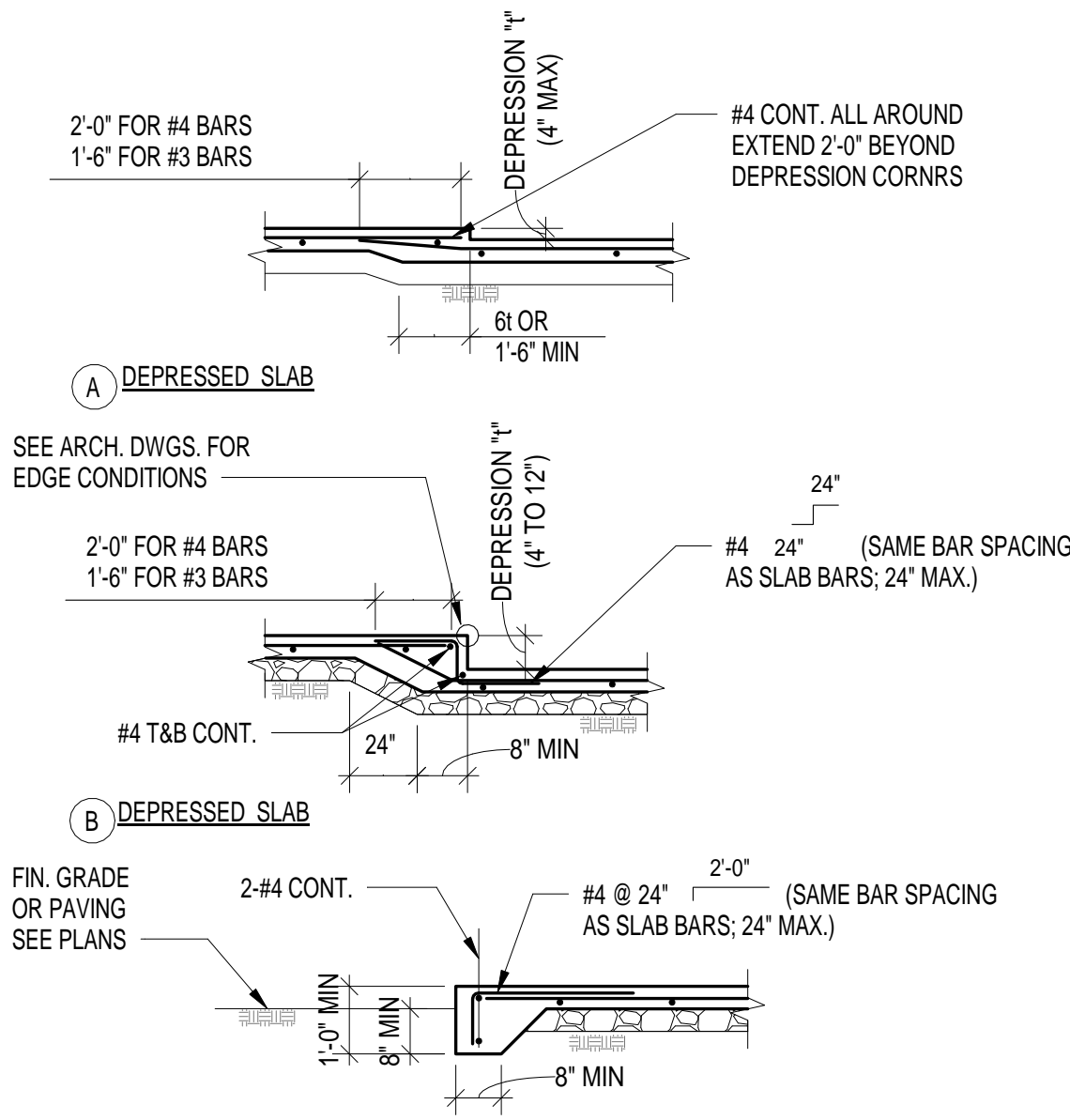
- NOTES:**
1. THERE SHALL BE A MINIMUM OF 24 HOURS BETWEEN POURS 1 & 2.
 2. THE DAY'S WORK AND AT EVERY 120 FT MAX.

1 TYPICAL SLAB ON GRADE AND JOINT DETAILS

NOT TO SCALE

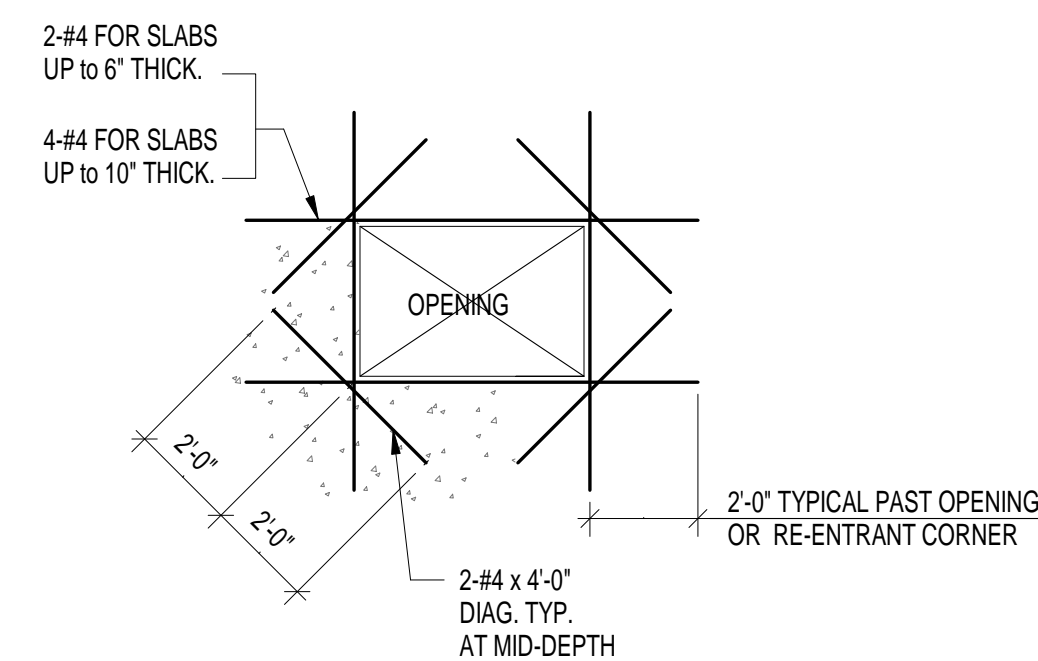
4 SLAB ON GRADE POUR PATTERN

NOT TO SCALE



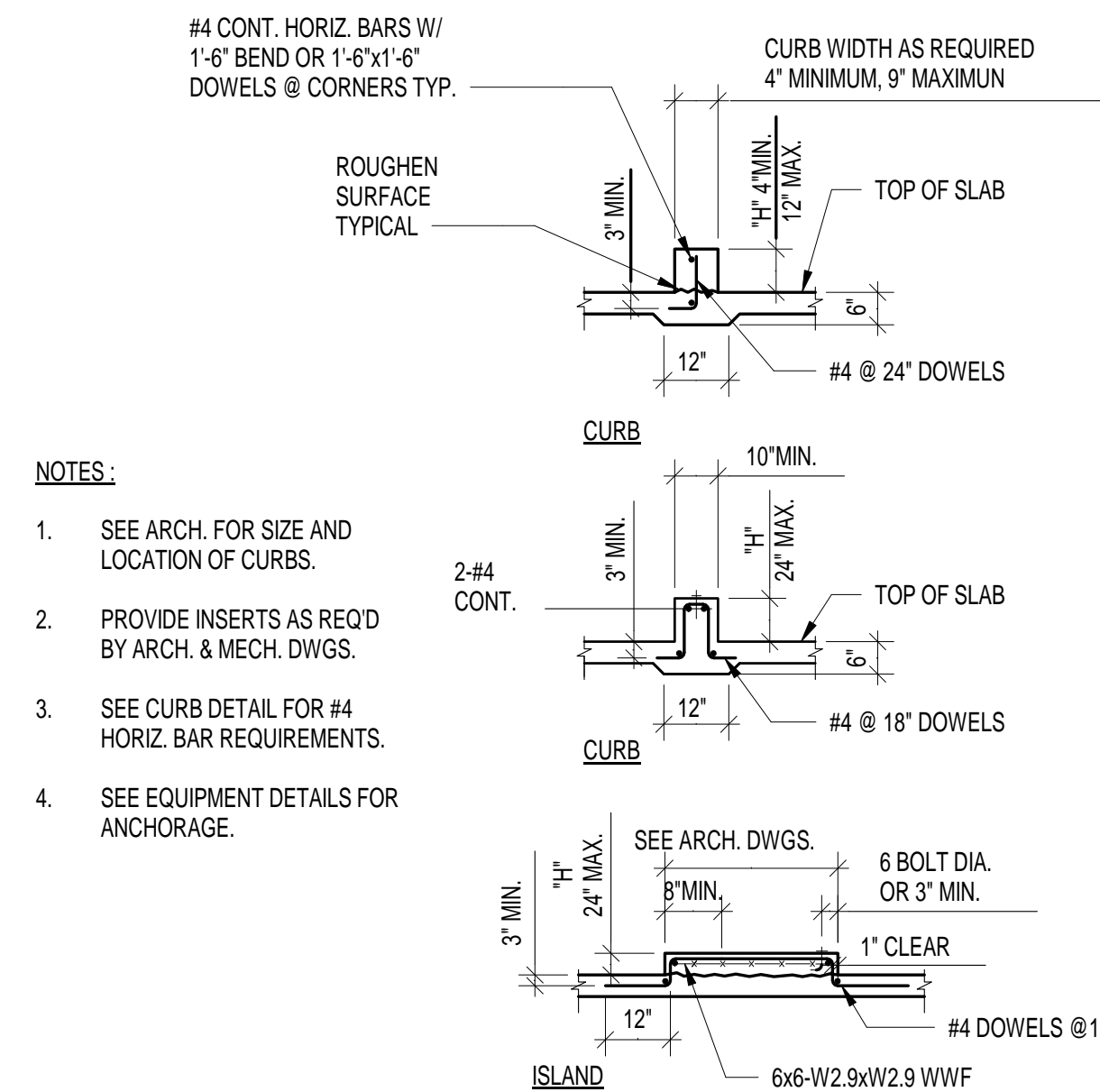
5 DEPRESSED SLAB AND EDGE DETAIL

NOT TO SCALE



6 TYP SLAB ON GRADE RE-ENTRANT CORNER OR BLOCKOUT DETAIL

NOT TO SCALE

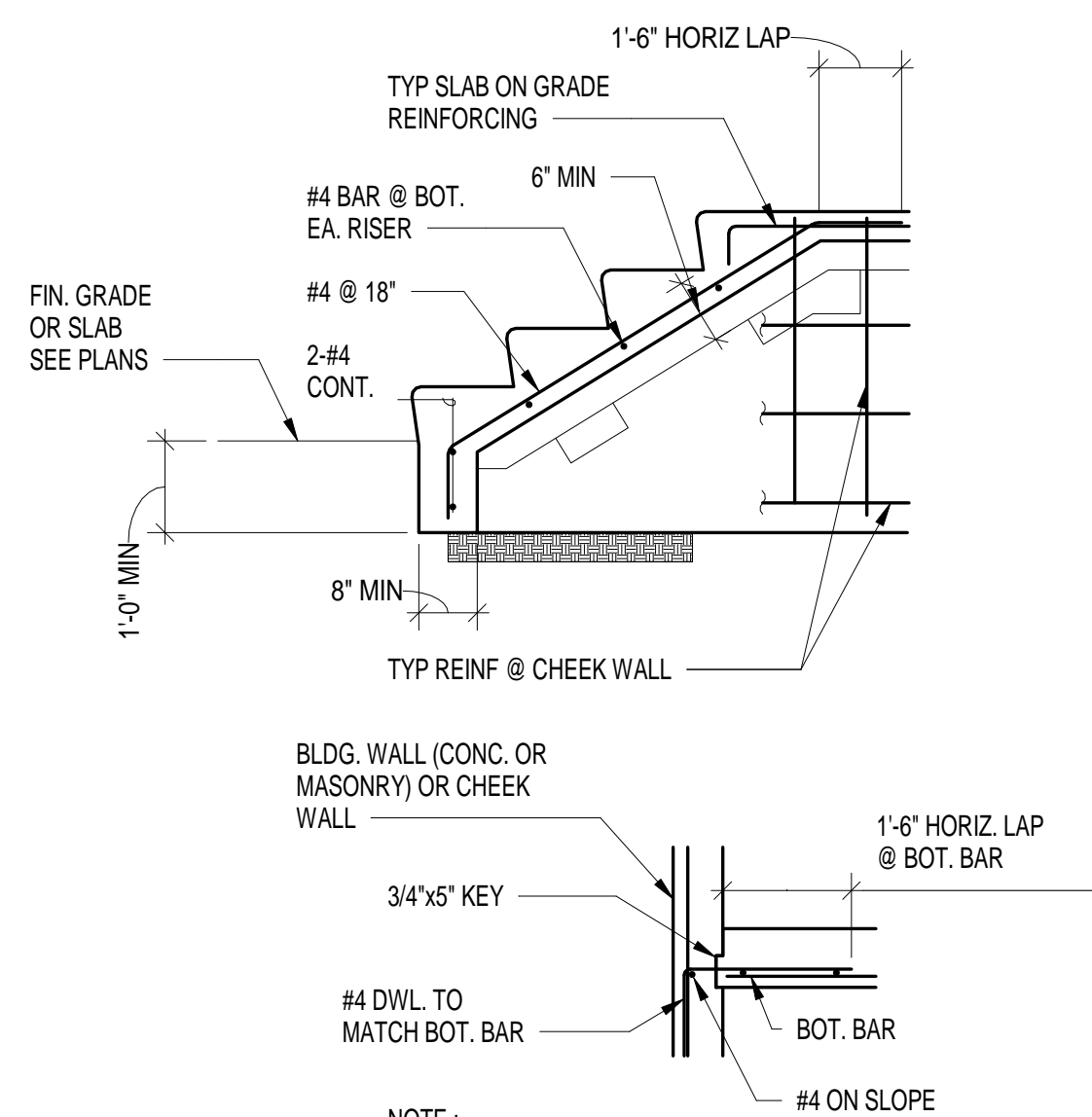


7 CONCRETE CURBS AND ISLANDS ON GRADE

NOT TO SCALE

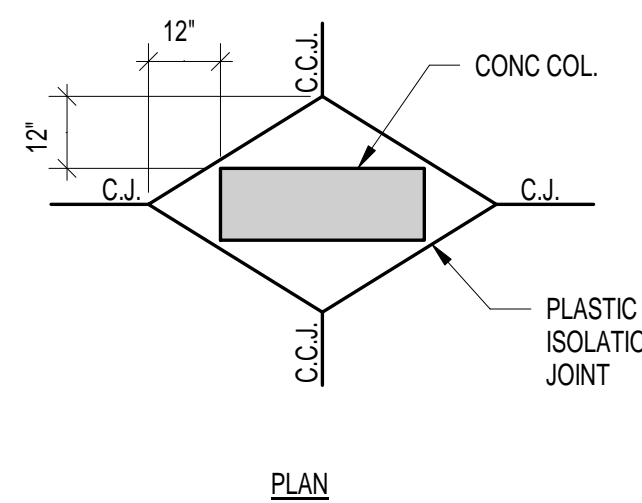
8 TYP TRENCH AT SLAB ON GRADE

NOT TO SCALE



9 CONCRETE STAIR ON GRADE

NOT TO SCALE

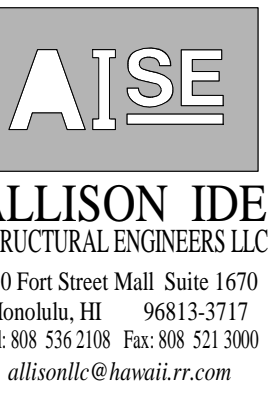


10 ISOLATION JOINTS AROUND COLUMN

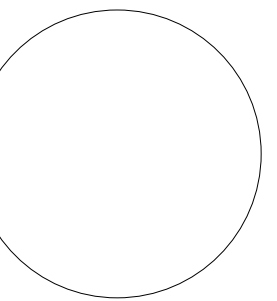
NOT TO SCALE

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Signature
Expiration Date: 4/30/2022

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FOUNDATION PERMIT

DATE May 27, 2020

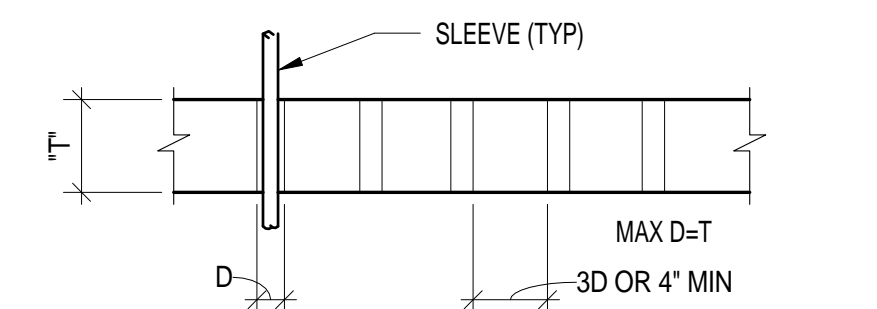
PROJECT # 18.100

REVISIONS

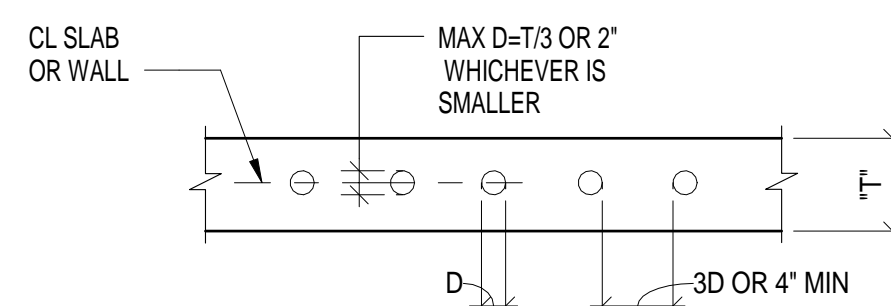
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SHEET TITLE:
TYPICAL DETAILS

SHEET NO.
S003



PIPING THRU SLAB OR WALL

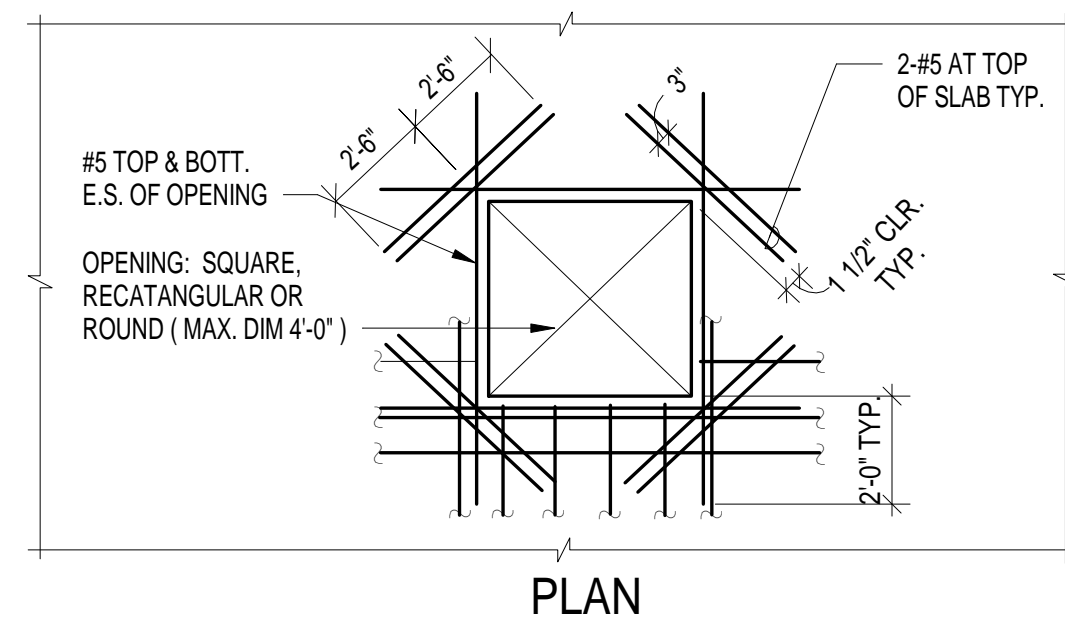


CONDUIT IN SLAB OR WALL

NOTE:
WHERE CLEAR DISTANCE BETWEEN SLEEVES IS IMPOSSIBLE OR MAX D IS EXCEEDED, THIS AREA SHALL BE TREATED AS AN OPENING PER TYPICAL DETAIL FOR OPENINGS IN SLAB OR WALL.

PIPING AND CONDUIT IN OR THRU SLAB OR WALL

1 NOT TO SCALE



NOTE:

- ALL TOP AND BOTTOM SLAB BARS INTERRUPTED BY OPENINGS SHALL BE REPLACED BY ADDITIONAL REINFORCING EQUAL TO THAT INTERRUPTED. PLACE HALF OF THE ADD'L REINFORCING ON EACH SIDE OF OPENING AND EXTEND SAME LENGTH AS REQUIRED FOR INTERRUPTED REINFORCING.
- BOXED OUT OPENINGS, BOXED RECESSES AND PIPE SLEEVE CLUSTERS SHALL BE TREATED AS FRAMED SLAB OPENINGS.
- THIS DETAIL APPLIES TO HOLES 9" AND LARGER.
- DIAGONAL TRIM BARS NOT REQUIRED FOR HOLES 1'-4" AND SMALLER.

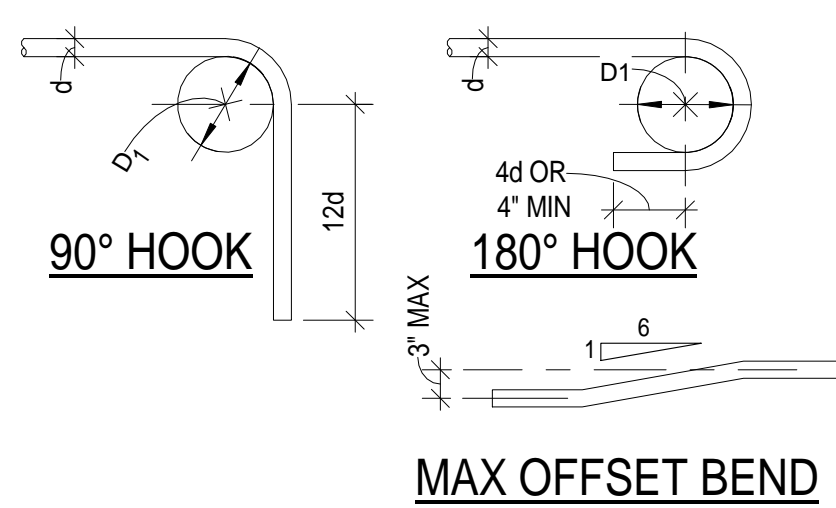
REINFORCING AROUND STRUCTURAL SLAB OPENING (NON-PT SLABS)

2 NOT TO SCALE

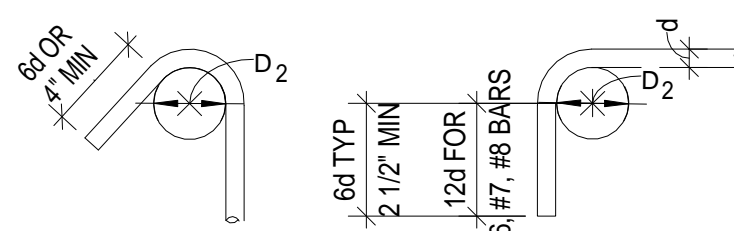
BAR DIA.	MIN. D ₂	MIN. D ₁
#3	1 1/2"	2 1/4"
#4	2"	3"
#5	2 1/2"	3 3/4"
#6	4 1/2"	4 1/2"
#7	5 1/4"	5 1/4"
#8		6"
#9		9 1/2"
#10		10 3/4"
#11		12"

NOTES:

- ALL BENDS SHALL BE MADE COLD.
- #14 & #18 BARS SHALL BE BEND-TEST AND APPROVED PRIOR TO BENDING.



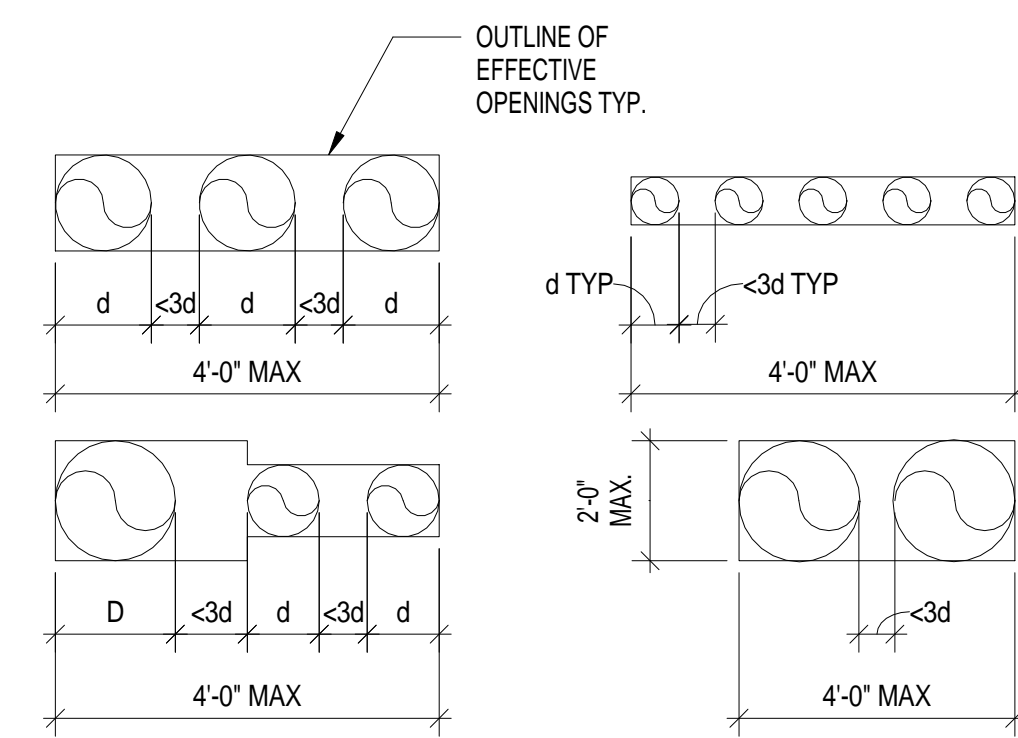
PRINCIPAL REINFORCING



TIE OR STIRRUP

BAR BENDS (REINFORCING)

3 NOT TO SCALE



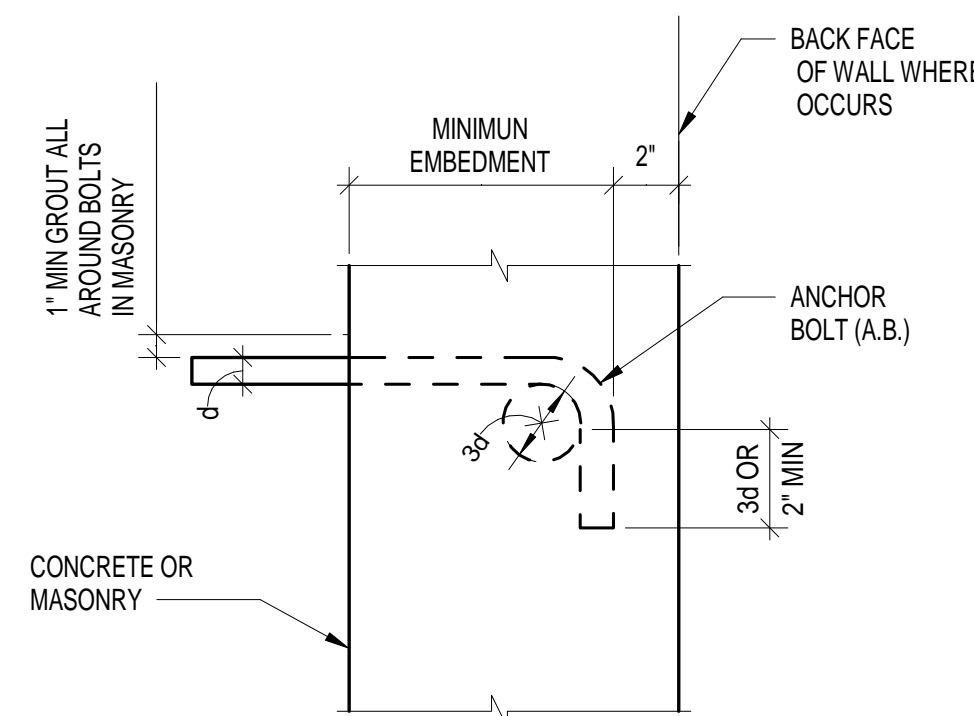
PLANS

NOTES:

- ALL ABOVE CONDITIONS REQUIRE 1-#5 TOP & BOTTOM TRIM BARS ALL AROUND THE EFFECTIVE OPENING WITH 1'-0" MINIMUM EMBEDMENT PAST THE OPENING EDGE. SEE 'REINFORCING AROUND STRUCT. SLAB OPENINGS' FOR FURTHER REQUIREMENTS.
- IF THE EFFECTIVE LENGTH OF AN OPENING IS GREATER THAN 2'-0", FOLLOW THE TRIM REQUIREMENTS CALLED OUT ON THE APPROPRIATE DETAIL.

SLAB OPENING FOR MULTIPLE PIPES

4 NOT TO SCALE



NOTE:
MINIMUM BOLT SPACING SHALL BE 12 BOLTS DIAMETERS WITH A MINIMUM EDGE DISTANCE OF 6 BOLT DIAMETERS

BOLT SIZE	EMBEDMENT
1/2"	4"
5/8"	5"
3/4"	6"
7/8"	6"
1"	7"

ANCHOR BOLT EMBEDMENT SCHEDULE

5 NOT TO SCALE

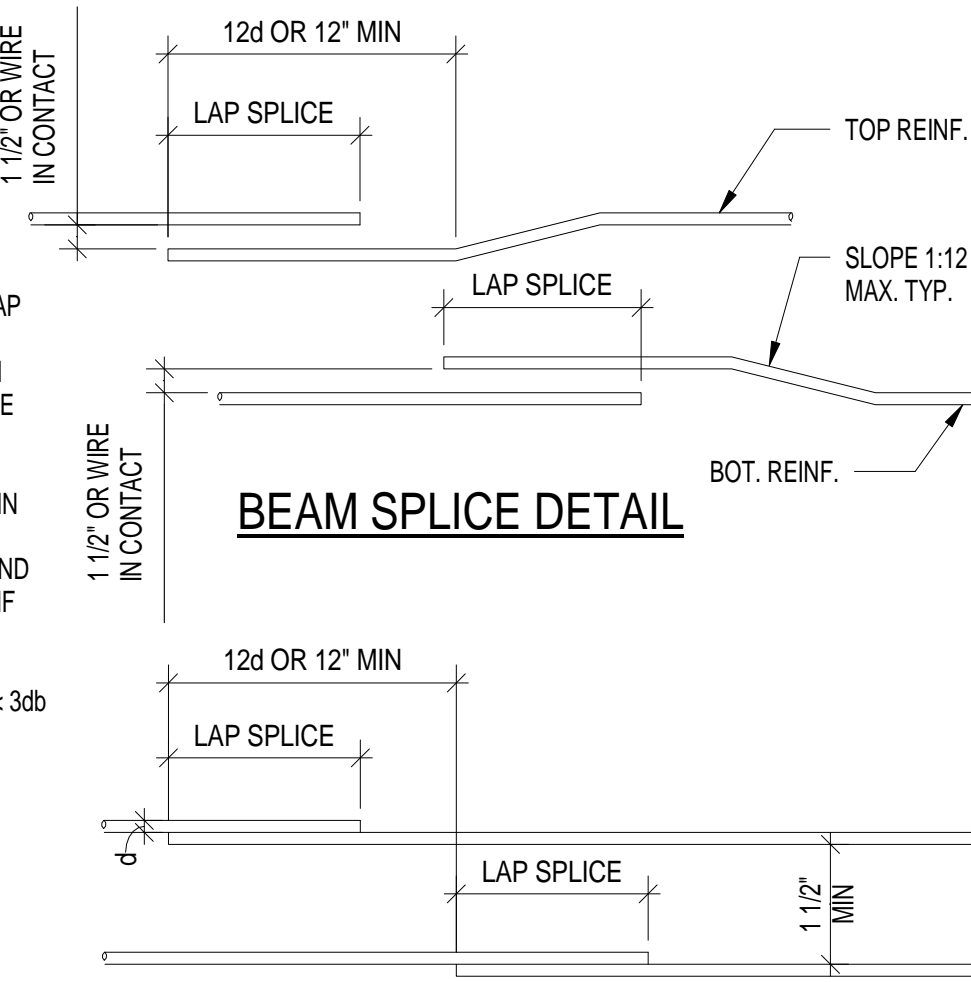
LEGEND:

- APPLIES TO BOTTOM BARS OF BEAMS, SLAB BARS, VERTICAL WALL BARS, AND VERTICAL COLUMN BARS.
- APPLIES TO TOP BARS OF BEAMS AND HORIZONTAL WALL STEEL.

BAR SIZE	f _c =3000		f _c =4000		f _c =5000		f _c =6000		f _c =7000	
	I	II	I	II	I	II	I	II	I	II
#3	20"	26"	18"	23"	16"	21"	16"	21"	16"	21"
#4	27"	35"	24"	31"	21"	27"	19"	25"	18"	23"
#5	34"	44"	29"	38"	26"	34"	24"	31"	22"	29"
#6	41"	53"	35"	46"	31"	41"	29"	37"	27"	35"
#7	59"	76"	51"	66"	46"	59"	42"	54"	39"	50"
#8	67"	87"	58"	76"	52"	68"	48"	62"	44"	57"
#9	76"	98"	66"	85"	59"	76"	54"	70"	50"	65"
#10	85"	111"	74"	96"	66"	86"	60"	78"	56"	73"
#11	118"	153"	102"	133"	92"	119"	84"	109"	77"	101"

NOTES:

- IN STANDARD SPIRAL COLUMN USE 0.75 LAP LENGTH WITH 2'-0" MINIMUM.
- * FOR TOP BARS WHICH HAVE MORE THAN 12" OF CONCRETE CAST BELOW THEM; USE TYPE II LAP SPLICE.
- LAP SPLICE LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF SCHEDULE LAP LENGTHS.
- MULTIPLY SPLICES BY 1.33 FOR #5 BARS AND SMALLER AND 1.45 FOR ALL OTHER BARS IF ANY OF THE FOLLOWING OCCUR:
A. CONCRETE COVER < 3db
B. CENTER TO CENTER BAR SPACING < 3db
db = DIAMETER OF BAR

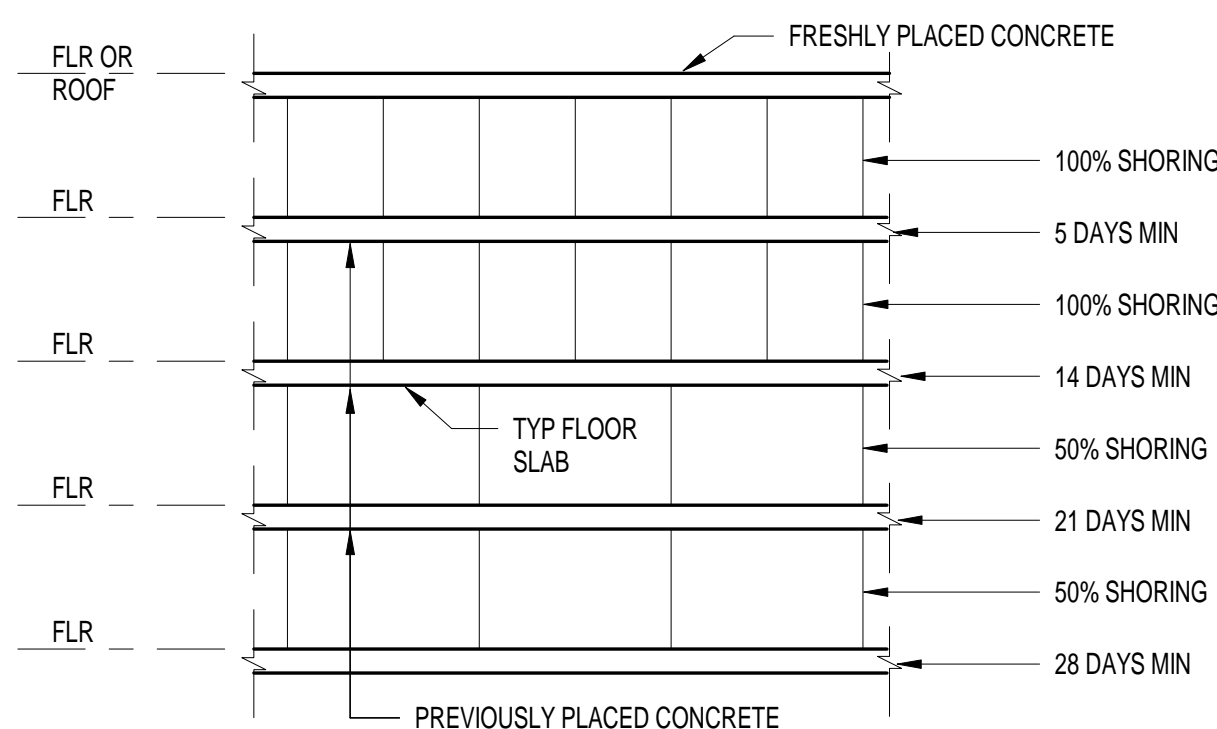


BEAM SPLICE DETAIL

LAP SPLICE

LAP SPLICE SCHEDULE AND BAR BENDS (REINFORCING)

6 NOT TO SCALE



NOTE:

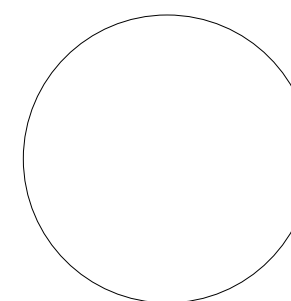
ALL SHORING AND RE-SHORING MUST BE DONE IN ACCORDANCE WITH ACI STANDARD RECOMMENDED PRACTICE FOR CONCRETE FORMWORK (ACI-347) SHORES SHALL NOT BE REMOVED IF CONCRETE STRENGTH DOES NOT MEET SPECIFIED 28 DAY STRENGTH.

MINIMUM SHORING OF SLABS AND BEAMS

8 NOT TO SCALE



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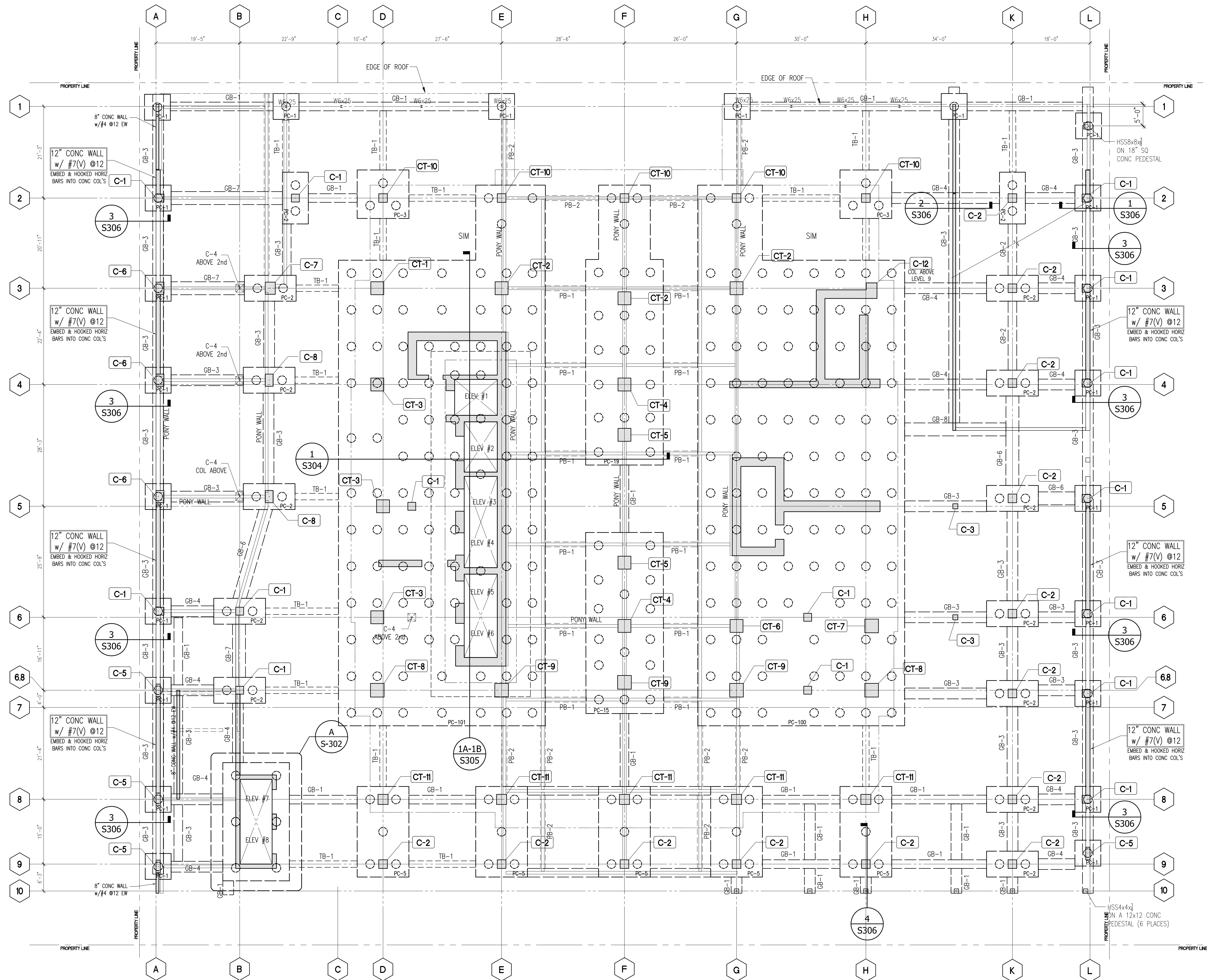
PROJECT # 18.100

REVISIONS

- 2000 00-00

SHEET TITLE:
TYPICAL DETAILS

SHEET NO.
S004



FOUNDATION NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR GRIDS, DIMENSIONS, SLAB DROPS, CMU PARTITION WALLS, SLAB ELEVATIONS, COLUMN & WALL LOCATION. GRID LINES DIMENSION SHOW HERE ARE FOR REFERENCE ONLY.
- SEE SHEETS:
 S301 FOR PILE CAPS SCHEDULE & DETAILS.
 S311 FOR GRADE BEAMS SCHEDULE & DETAILS.
 S002 FOR ABBREVIATIONS.
 S003 & S004 FOR REINFORCING STEEL DETAILS.
- TENSION PILES ARE NOT USE.
- $f'_c =$

- C-1** — COL ID SEE S601 COL SCH
- GB-4** — GRADE BEAM ID
- TB-1** — TIE BEAM ID
- PB-1** — TIE BEAM ID
- PC-5** — PILE CAP ID
- W6x** — STEEL COL ID (GRADE 50KSI)



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Hawaii Ocean Plaza
 Honolulu, Hawaii
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FOUNDATION PERMIT

DATE: May 27, 2020

AISE PROJECT No. 18.100

REVISIONS

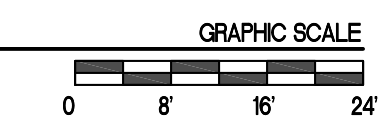
SHEET TITLE

FOUNDATION PLAN

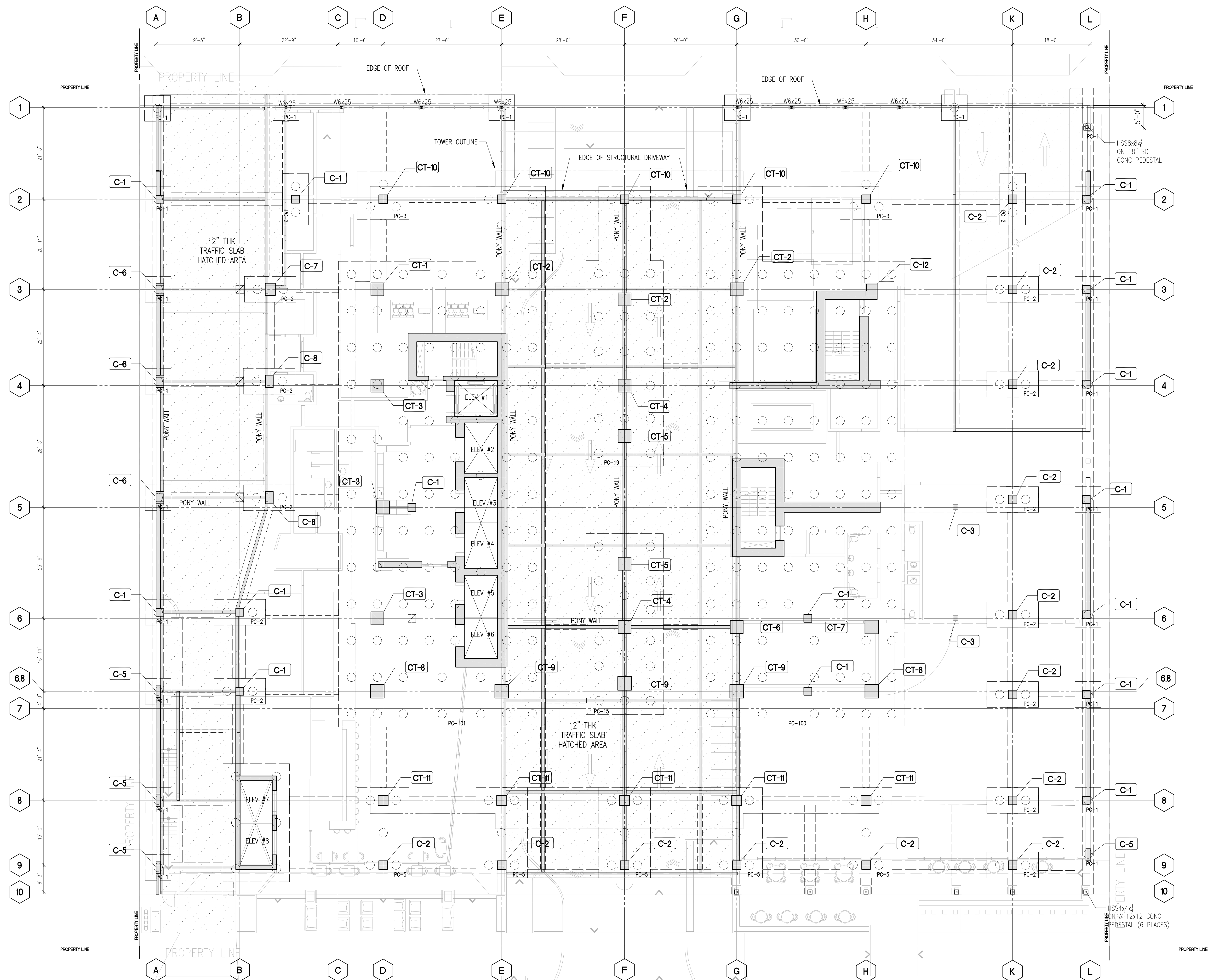
SHEET No.

S101

A FOUNDATION FRAMING PLAN
 SCALE: 3/32" = 1'-0"



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A GROUND LEVEL SLAB FRAMING PLAN
 SCALE: 3/32" = 1'-0"
 GRAPHIC SCALE: 0 8 16 24'

AISE
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FOUNDATION PERMIT

DATE: May 27, 2020
 AISE PROJECT No. 18.100

REVISIONS

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SHEET TITLE
 SLAB ON GRADE

SHEET No.
S102



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FOUNDATION PERMIT

DATE: May 27, 2020

AISE PROJECT No. 18.100

REVISIONS

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SHEET TITLE

PILE - PILE CAP
SCHEDULE AND
DETAILS

SHEET NO.

S301

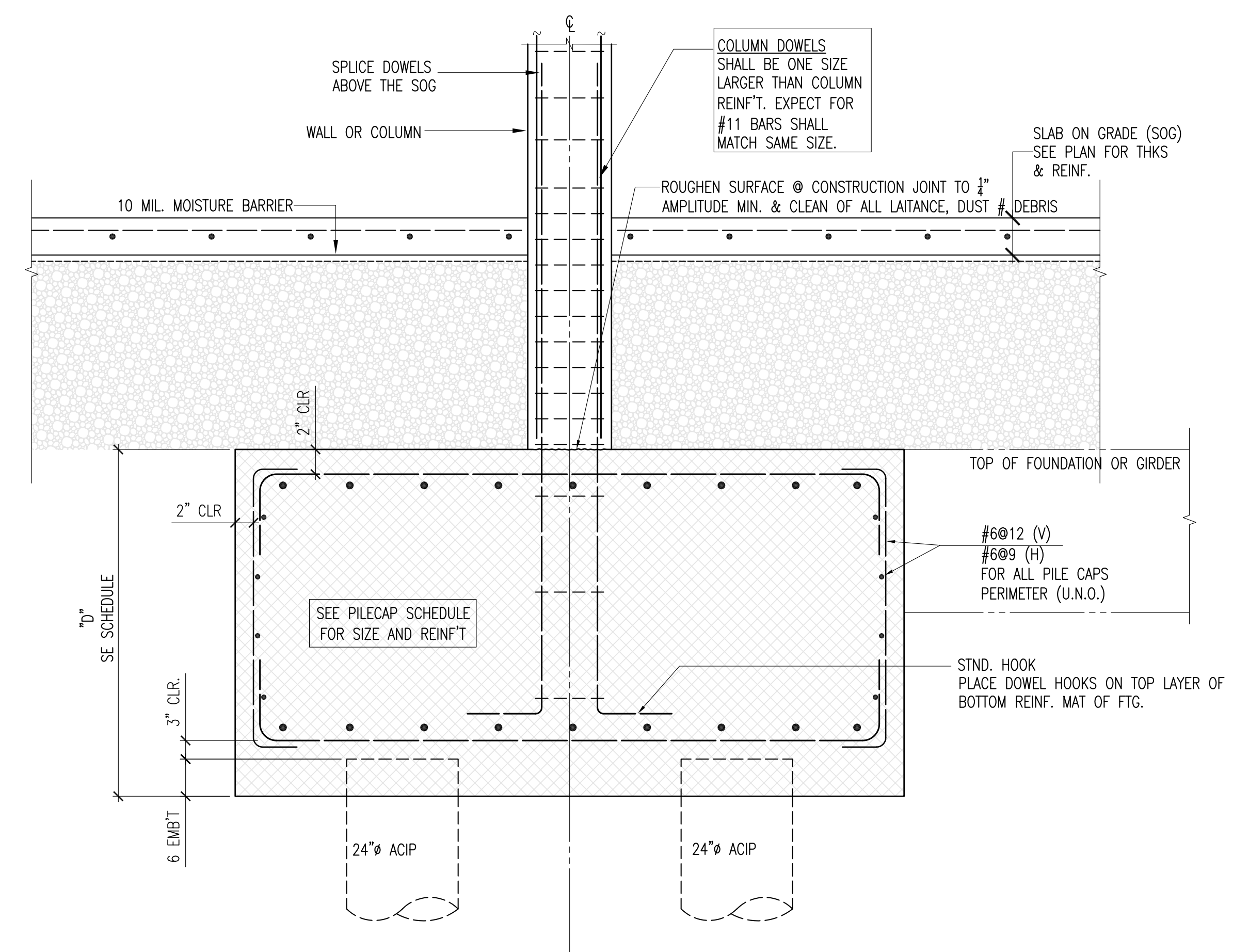
**PILECAP
SCHEDULE**

SEE PILE CAPS FOR SIZES

PILECAP TYPE	NUMBER OF PILES	DEPTH (in)	LONG BARS REINF.		SHORT BARS REINF.	
			TOP	BOTTOM	TOP	BOTTOM
PC-1	1	48	#8@12"	#8@12"	#8@12"	#8@12"
PC-2	2	54	#9@12"	#9@12"	#9@12"	#9@12"
PC-3	3	54	#9@12" E.S.	#9@12" E.S.	#9@12"	#9@12"
PC-5	5	60	#9@12"	#9@12"	#9@12"	#9@12"
PC-6	6	60	#9@12"	#9@12"	#9@12"	#9@12"
PC-15	15	72	#9@12"	#9@12"	#9@12"	#9@12"
PC-19	19	72	#9@12"	#9@12"	#9@12"	#9@12"
PC-100	100	72	#9@12"	#9@12"	#9@12"	#9@12"
PC-101	101	72	#9@12"	#9@12"	#9@12"	#9@12"

SEE PLAN FOR ADDED REINF'T E.S. = EQUALLY SPACED

A PILECAP SCHEDULE
NOTE TO SCALE

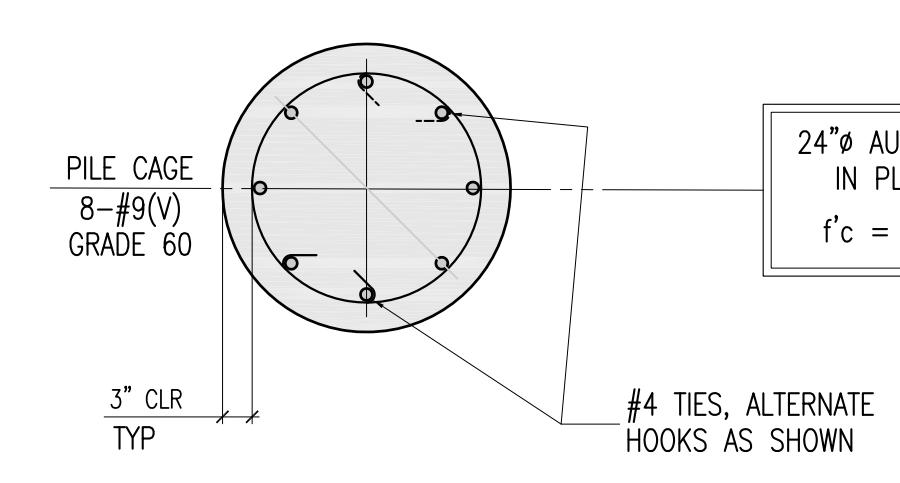


2 TYPICAL PILECAP SECTION
NOTE TO SCALE

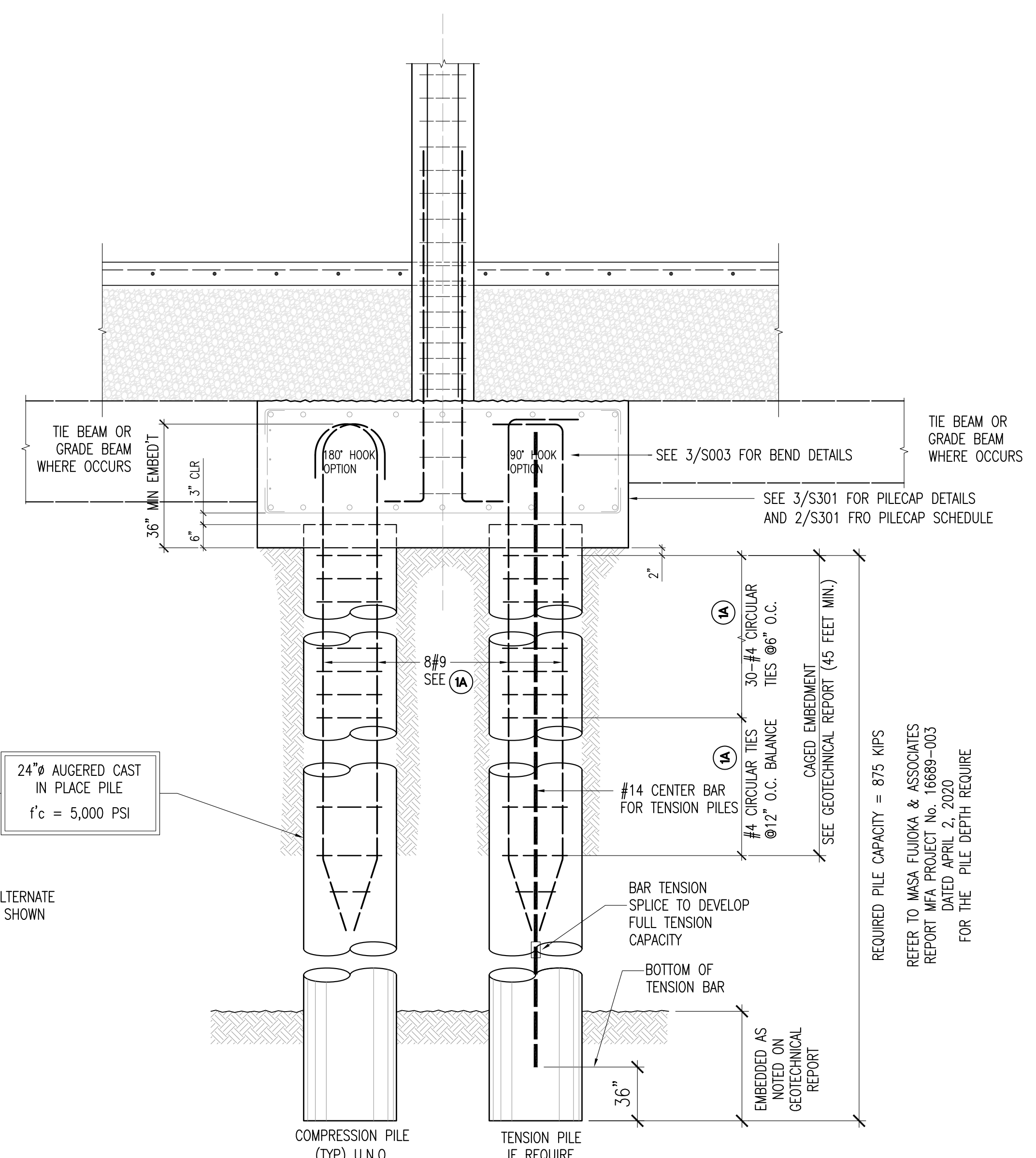
NOTES:

- IF #9 LONGITUDINAL PILE BARS ARE NOT STIFF ENOUGH TO PENETRATE GROUT, INSTALL #10 OR #11 BARS
- PROVIDE ALL CENTRALIZERS AND SPACERS TO HOLD REINF'T CAGE IN PLACE TO MAINTAIN PROPER POSITIONING OF BARS AND NECESSARY CLEAR COVER
- CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR ALL INFORMATION. IF THERE IS CONFLICTING INFORMATION BETWEEN THE GEOTECHNICAL REPORT AND THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL REPORT.
- CONSULT SOILS ENGINEER FOR BACKFILL AND COMPACTION REQUIREMENTS.

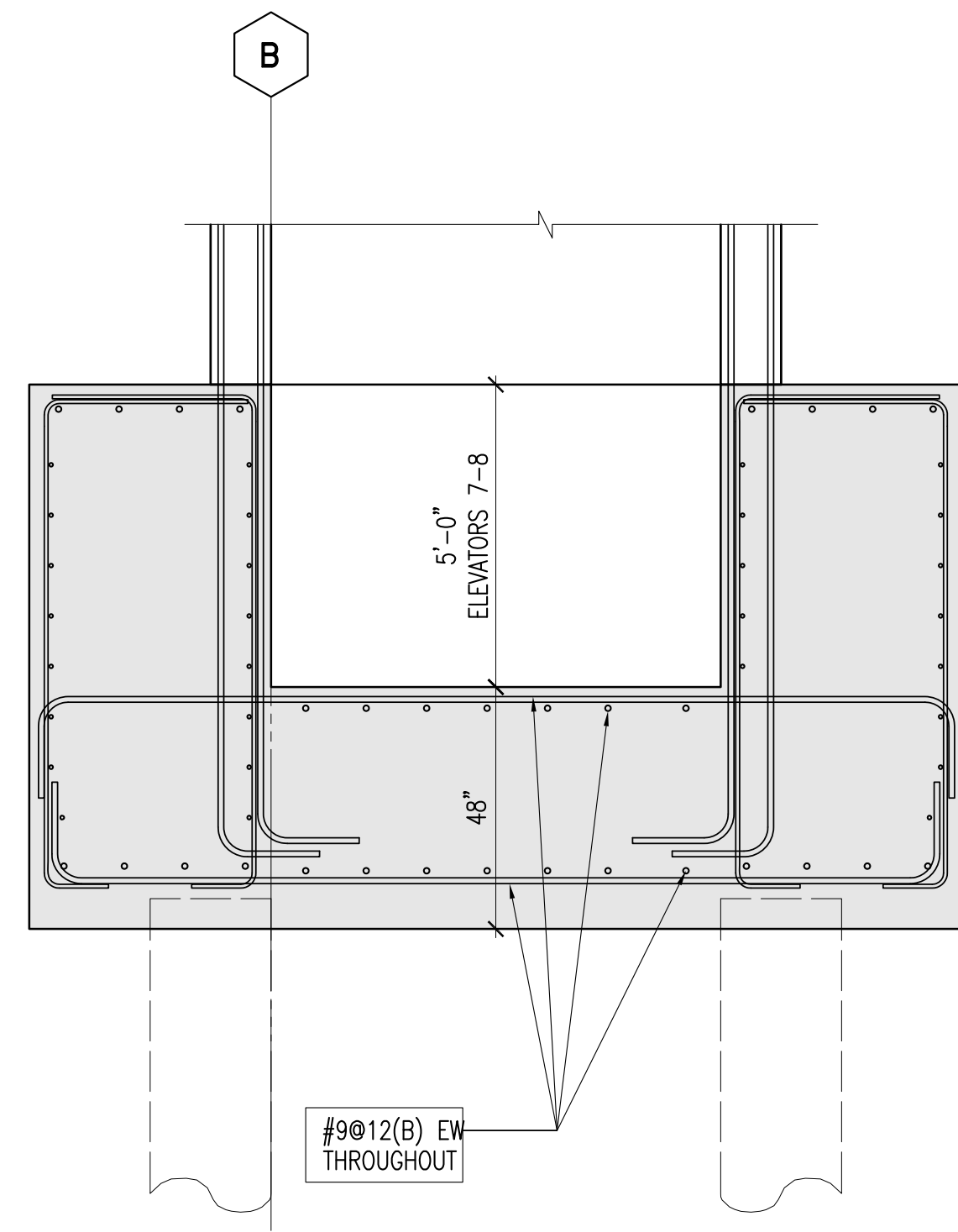
REFER TO GEOTECHNICAL REPORT & ITS ADDENDUMS FOR ALL ITEMS RELATING TO AUGER CAST PILE LENGTH, EMBEDMENT, DRILLING DETAILS AND PILE TESTING REQUIREMENTS.



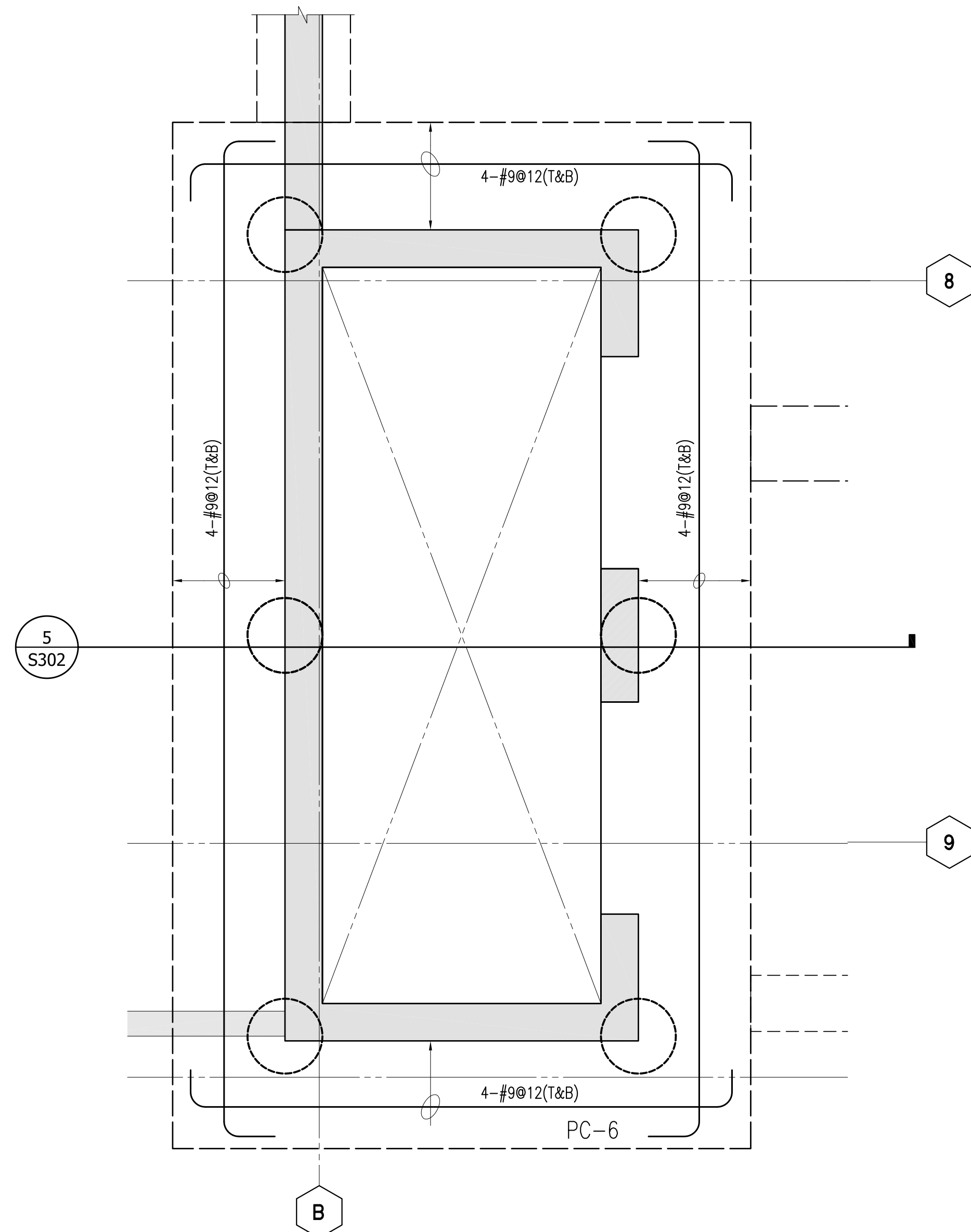
1A SECTION NTS



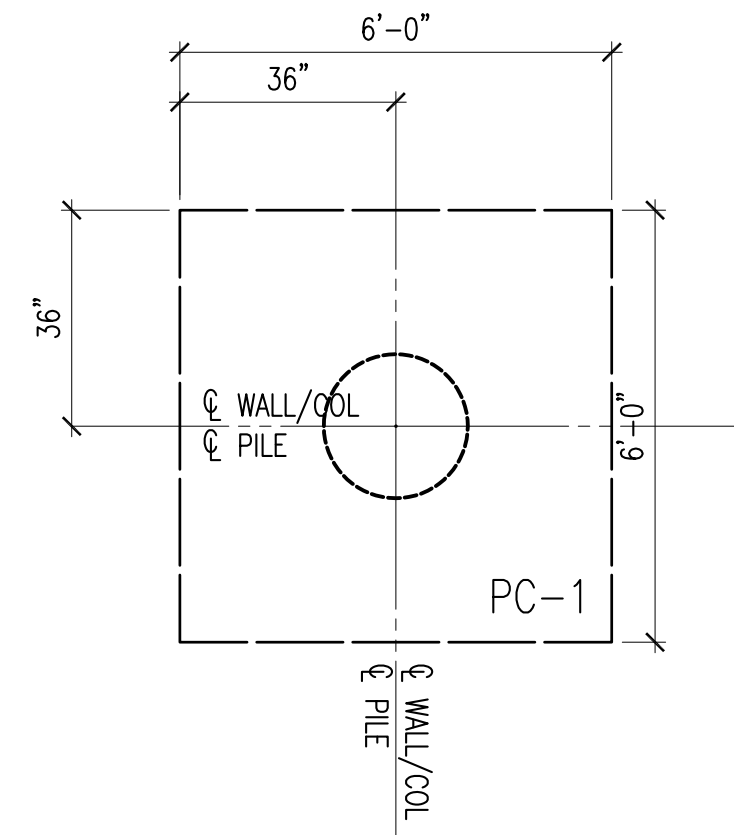
1 TYPICAL AUGERCAST PILE / PILECAP DETAIL
NOTE TO SCALE



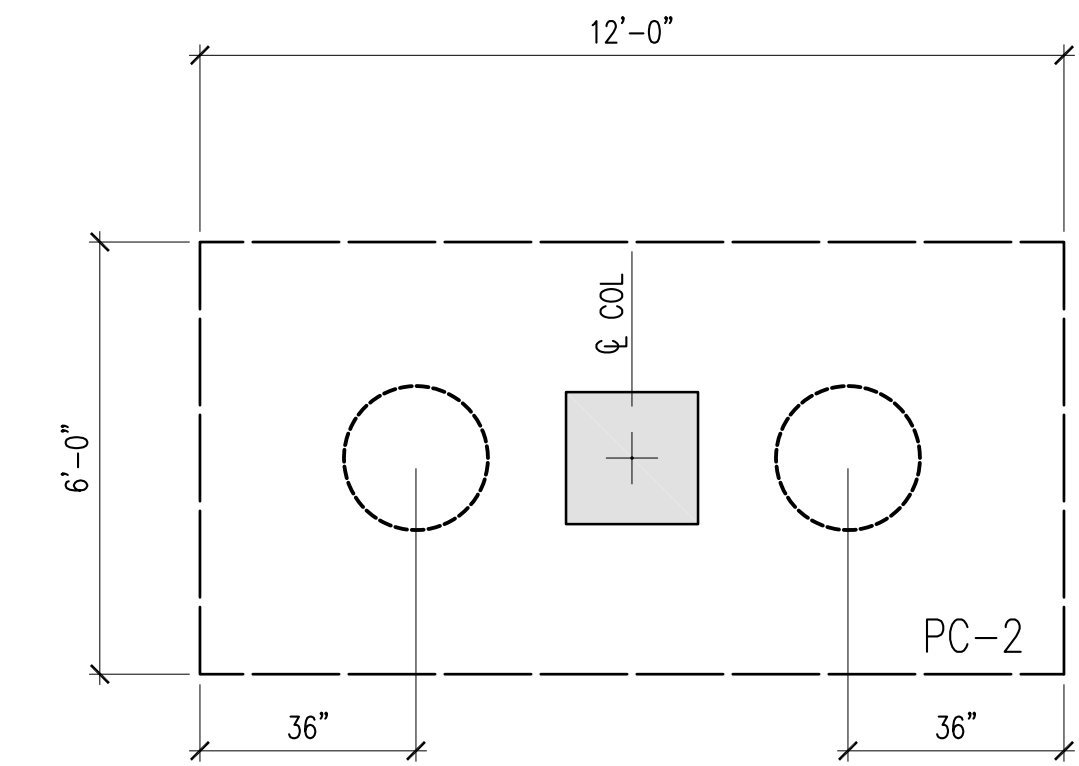
5 SECTION @ ELEVATOR
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



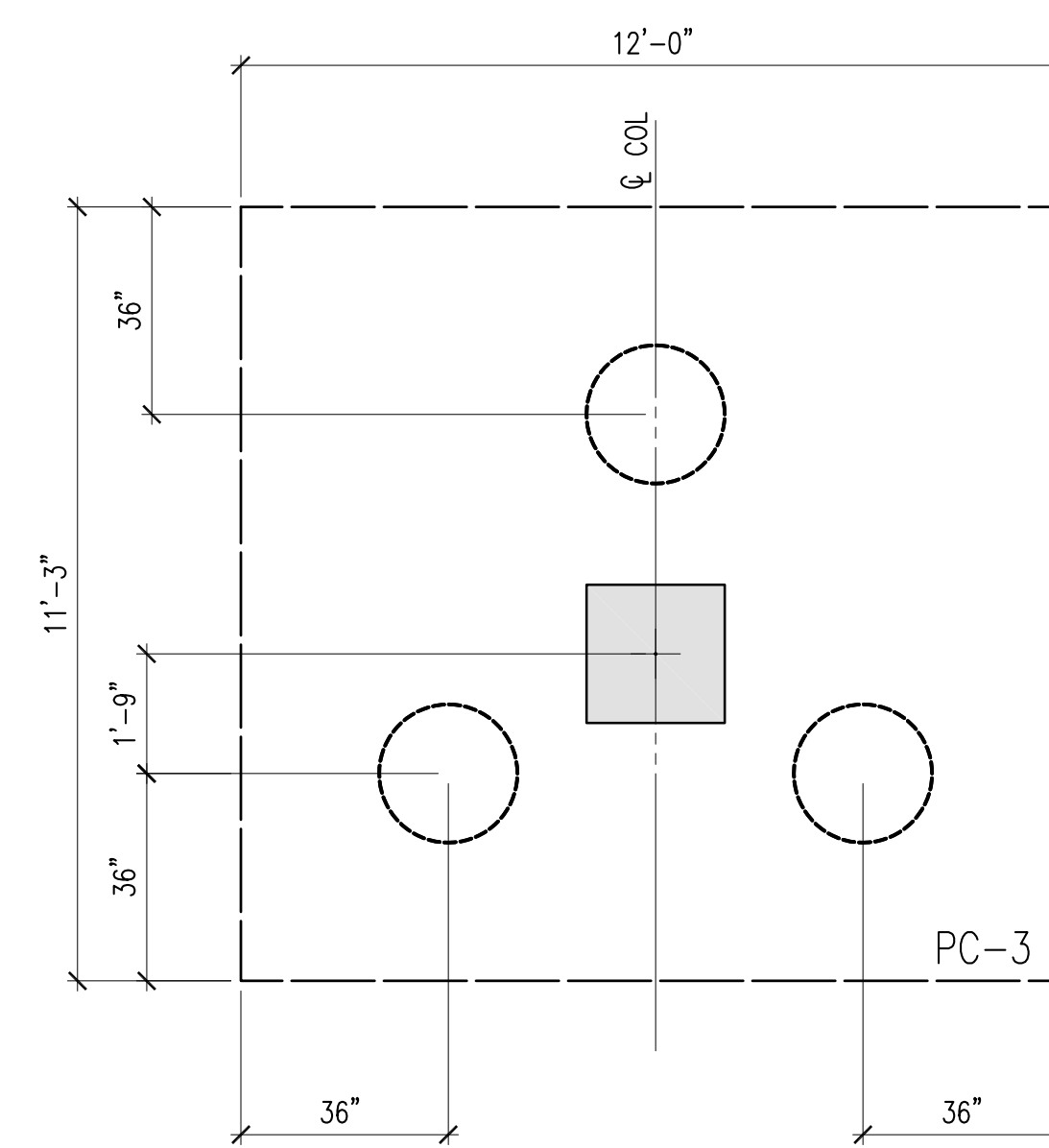
A ELEVATOR 7+8 PILECAP (PC-6)
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



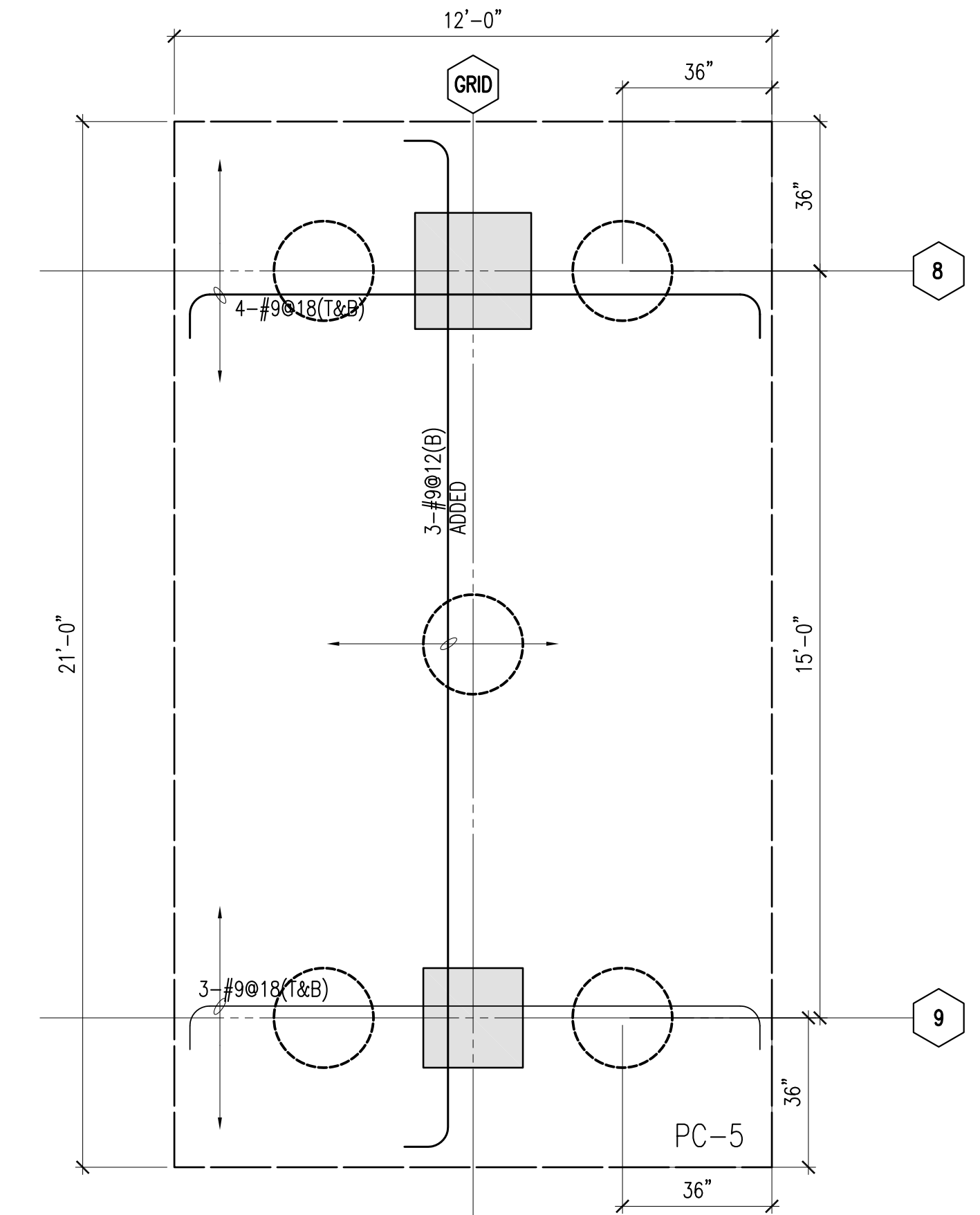
1 PILECAP 1
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



2 PILECAP 2
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



3 PILECAP 3
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



4 PILECAP 5
 SCALE: 3/8" = 1'-0"
 GRAPHIC SCALE



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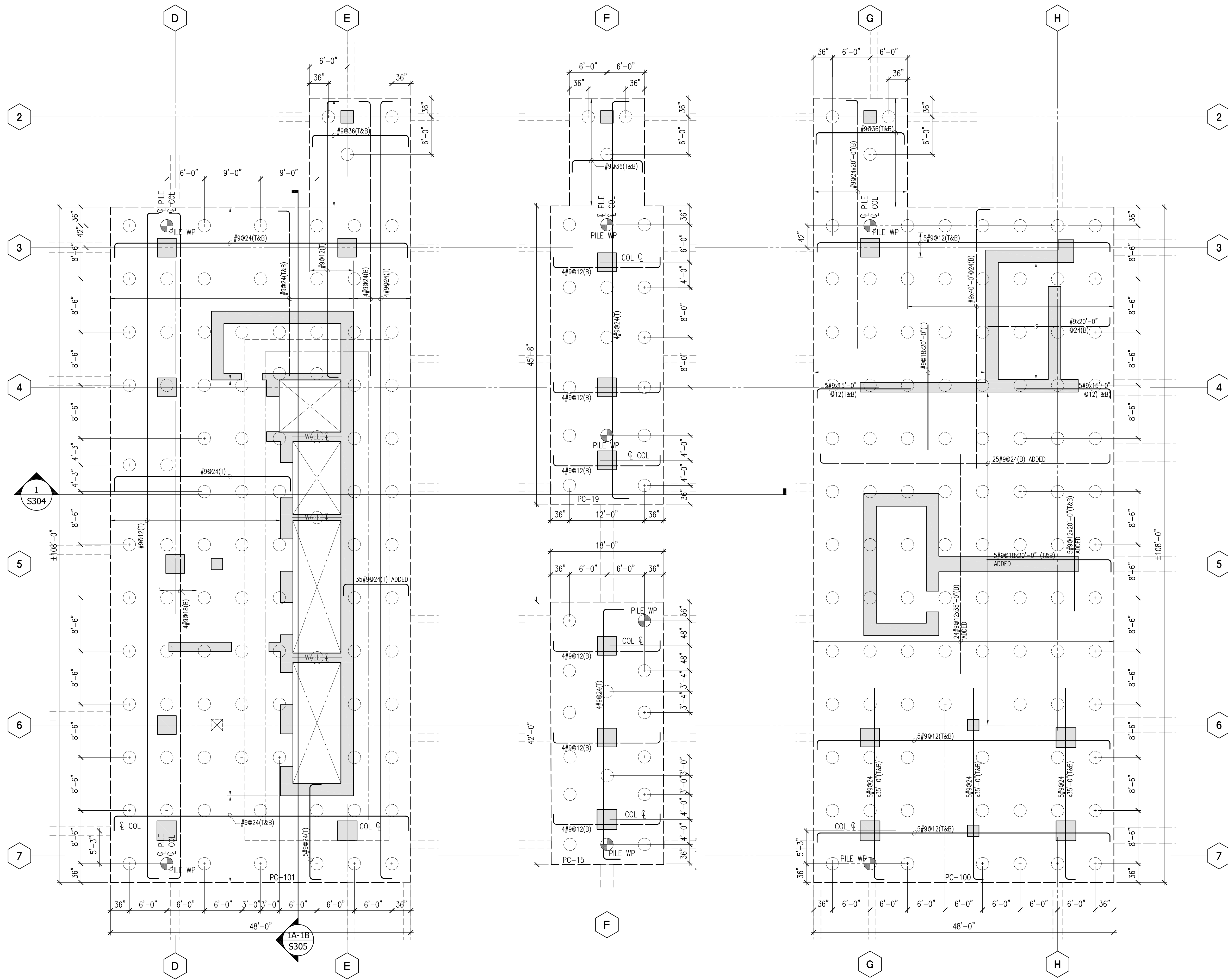
REVISIONS

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SHEET TITLE
 PILE - PILE CAP
 DETAILS

SHEET NO.
S302

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NOTES

1. TYPICAL MAT-PILECAP REINFORCEMENT #9@12 TOP AND BOT EACH WAY FOR ALL 4 MATS [PC-15 PC-19 PC-100 PC-101] EXCEPT FOR MAT PC-101 (BOTT REINF'T ONLY) FOLLOW SHEETS S305 & S306
2. #9 REINF'T SHOWN ON THIS PLAN (S303) ARE ADDED REINF'T.
3. SEE SECTION S305 & S306 FOR REBAR BENT DETAILS AND PLACEMENT.
4. SPLICE TOP BARS BETWEEN COLUMNS.
5. SPLICE BOTTOM BARS OVER COLUMN.
6. STAGGER SPLICES EVERY OTHER BAR.
7. MAT CONCRETE STRENGTH $f'c=5,000$ PSI.
8. INDICATES LOCATION OF MAT PILE WORKING POINT.

A STAIR/ELEVATOR PILE CAPS
SCALE: $\frac{1}{8}'' = 1'-0''$

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johnallison@allisonide.com

Signature
Expiration Date 4/30/2022
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CALIFORNIA
INVESTMENT
REGIONAL
CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
TMK 2-3-016: 018/ 019/ 020

FOUNDATION PERMIT

DATE: May 27, 2020

AISE PROJECT No. 18.100

REVISIONS

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0	

SHEET TITLE
MAT PILE-CAPS
DIMENSION
AND REINF'T

SHEET No.
S303

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Hawaii Ocean Plaza
 Honolulu, Hawaii
 TMK 2-3-016: 018/ 019 /020

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AISE PROJECT No. 18.100

REVISIONS

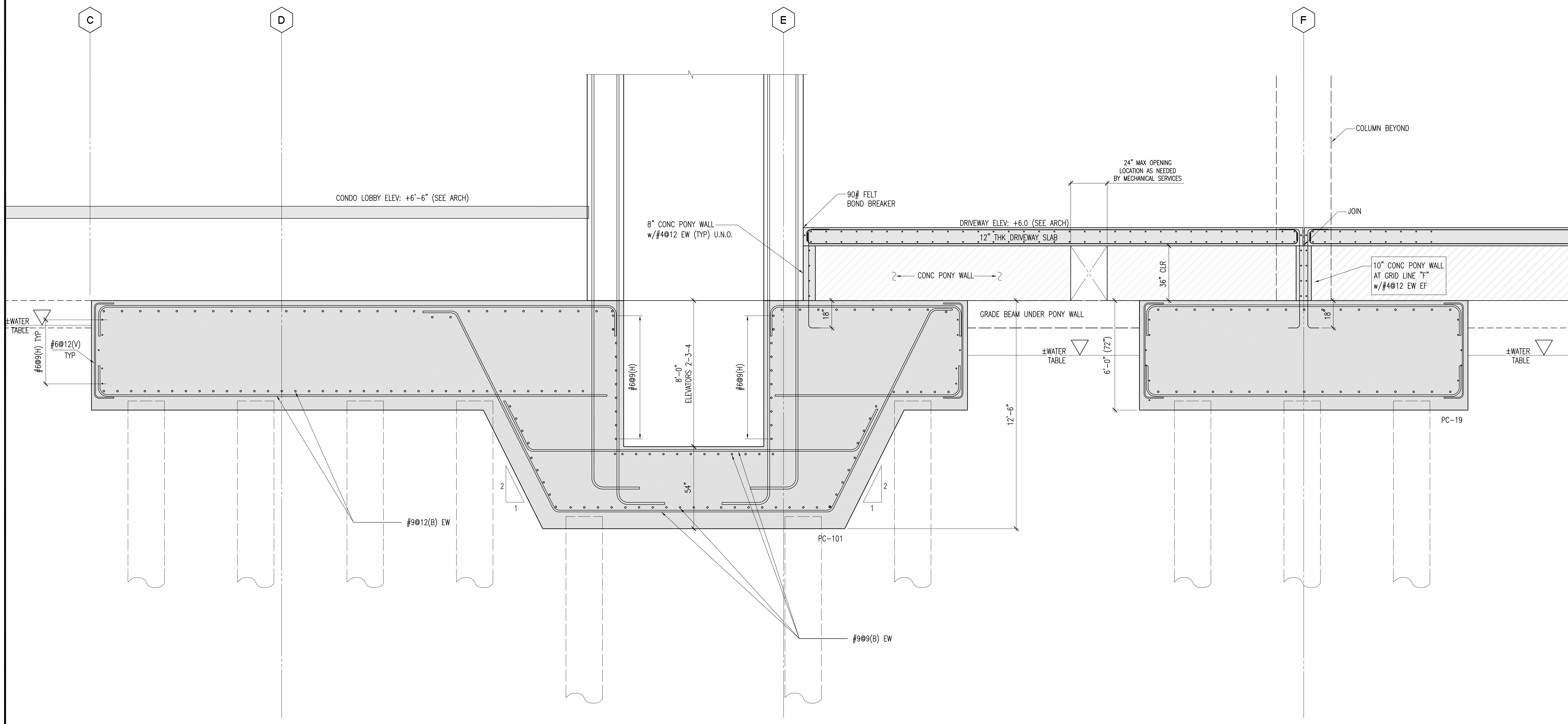
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SHEET TITLE

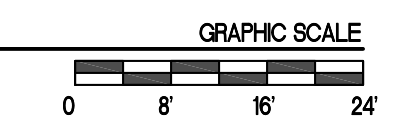
PILECAP MAT SECTIONS

SHEET NO.

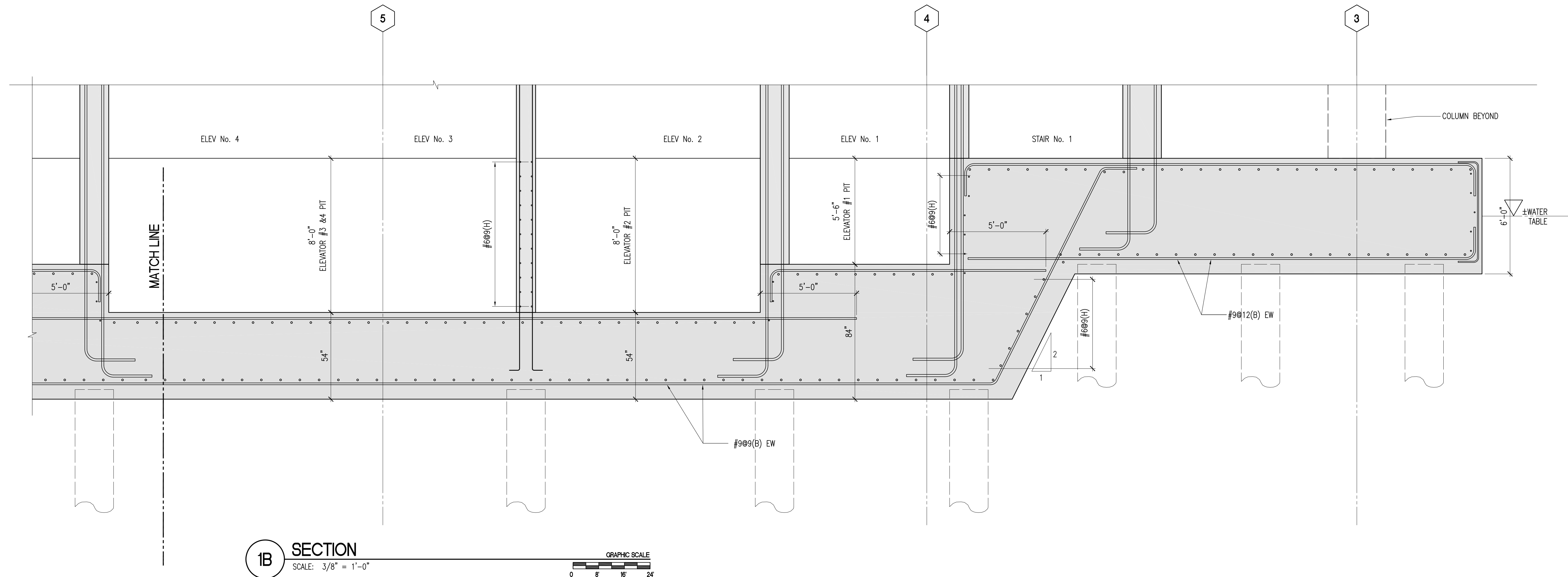
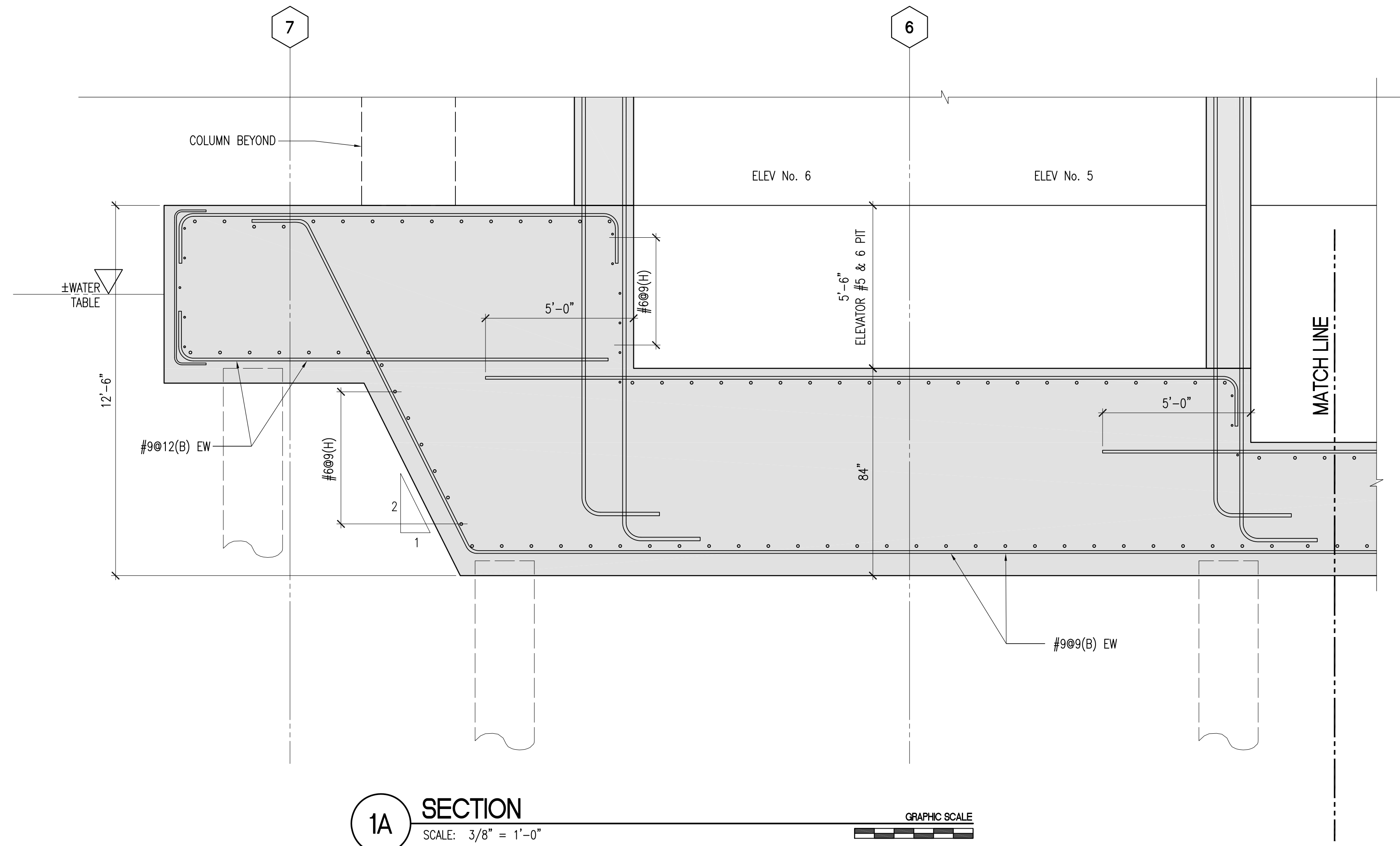
S304



1 SECTION
 SCALE: 3/8" = 1'-0"



P:\2018\JOBS\18100_HOP_HighRise\HOP April 2020 final\resort\Working Drawg Sections 5-27-20.dwg, 5/27/2020, 2:30:09 PM, Adobe PDF



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DATE: May 27, 2020

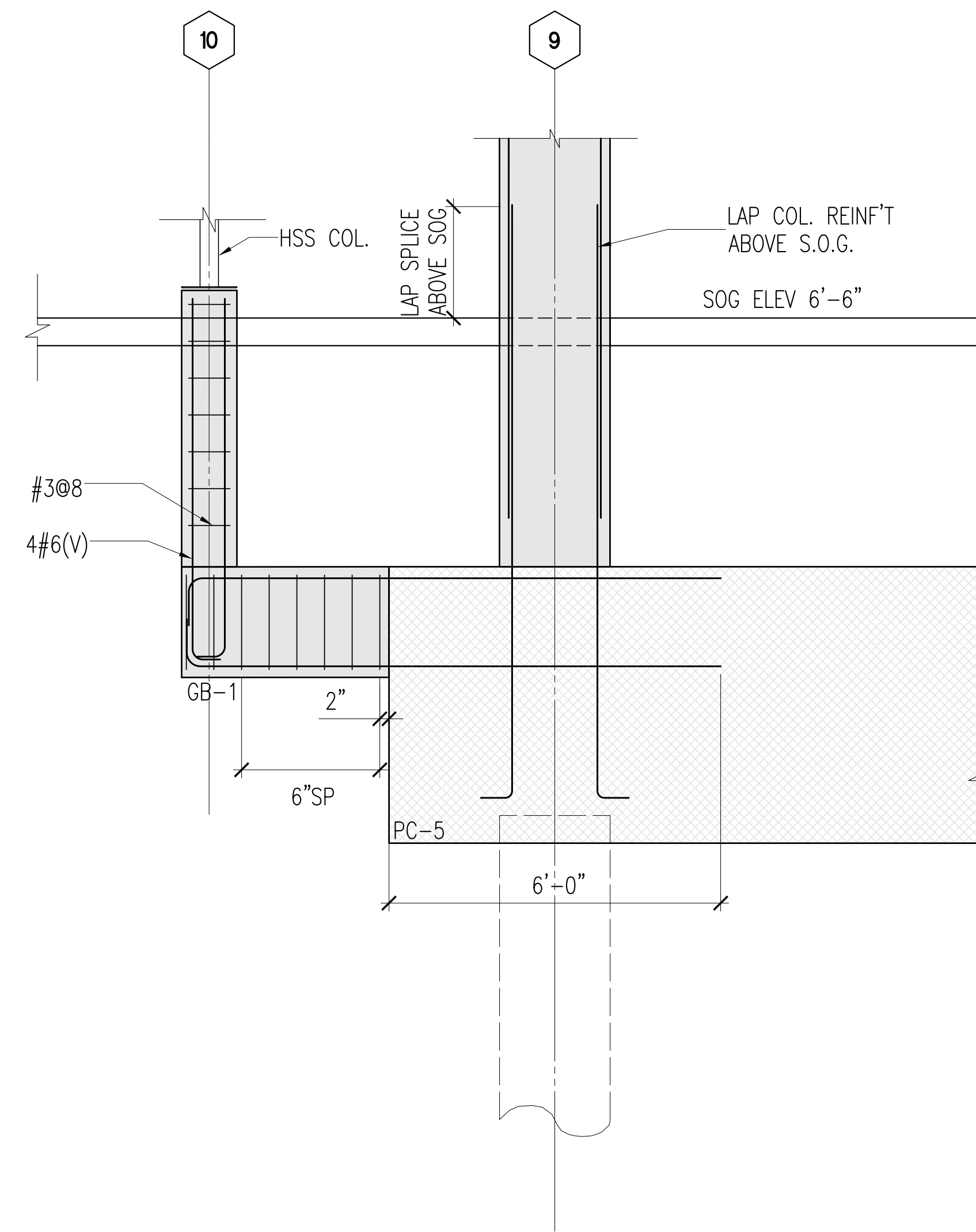
AISE PROJECT No. 18.100

REVISIONS

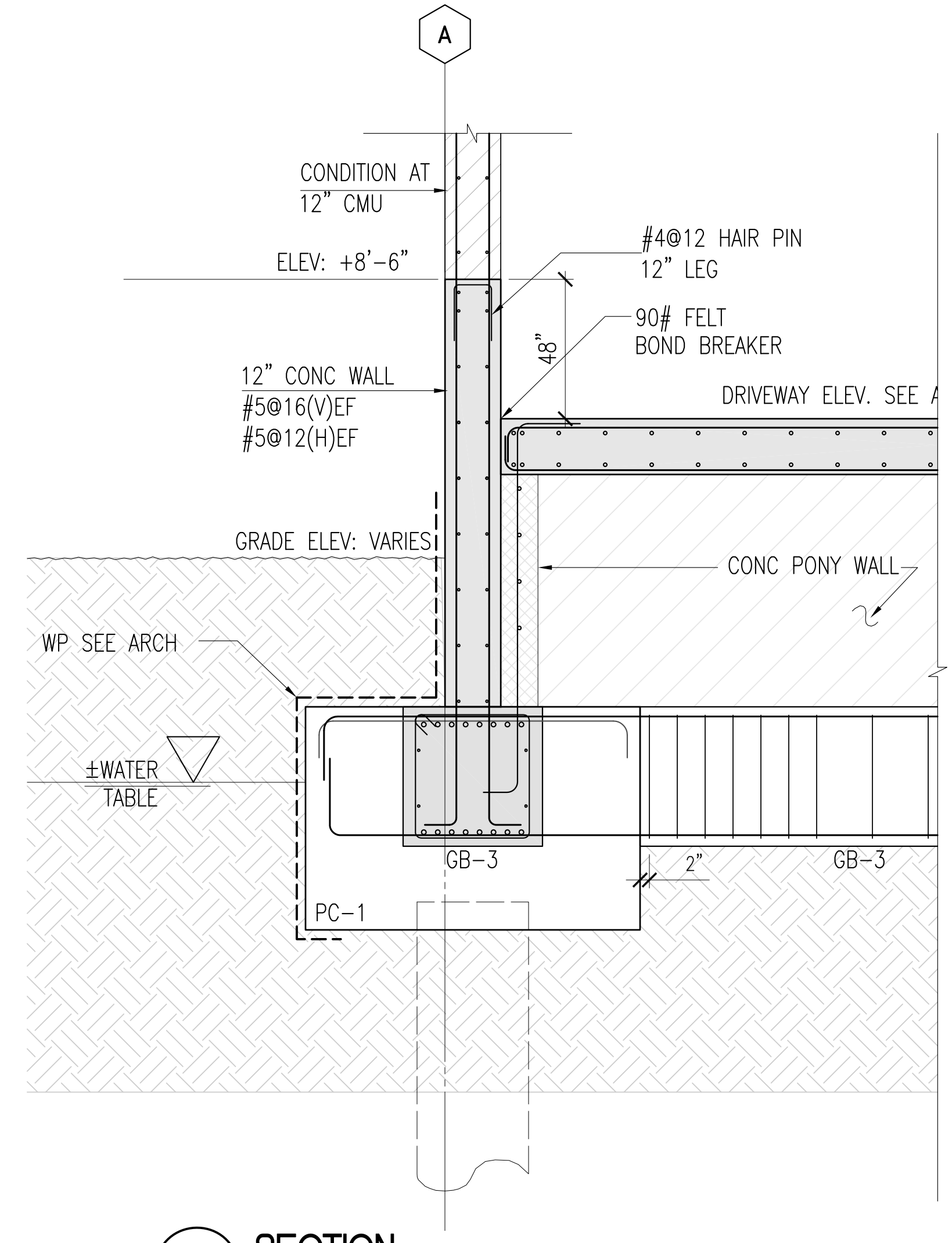
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SHEET TITLE
 PILECAP MAT
 SECTIONS

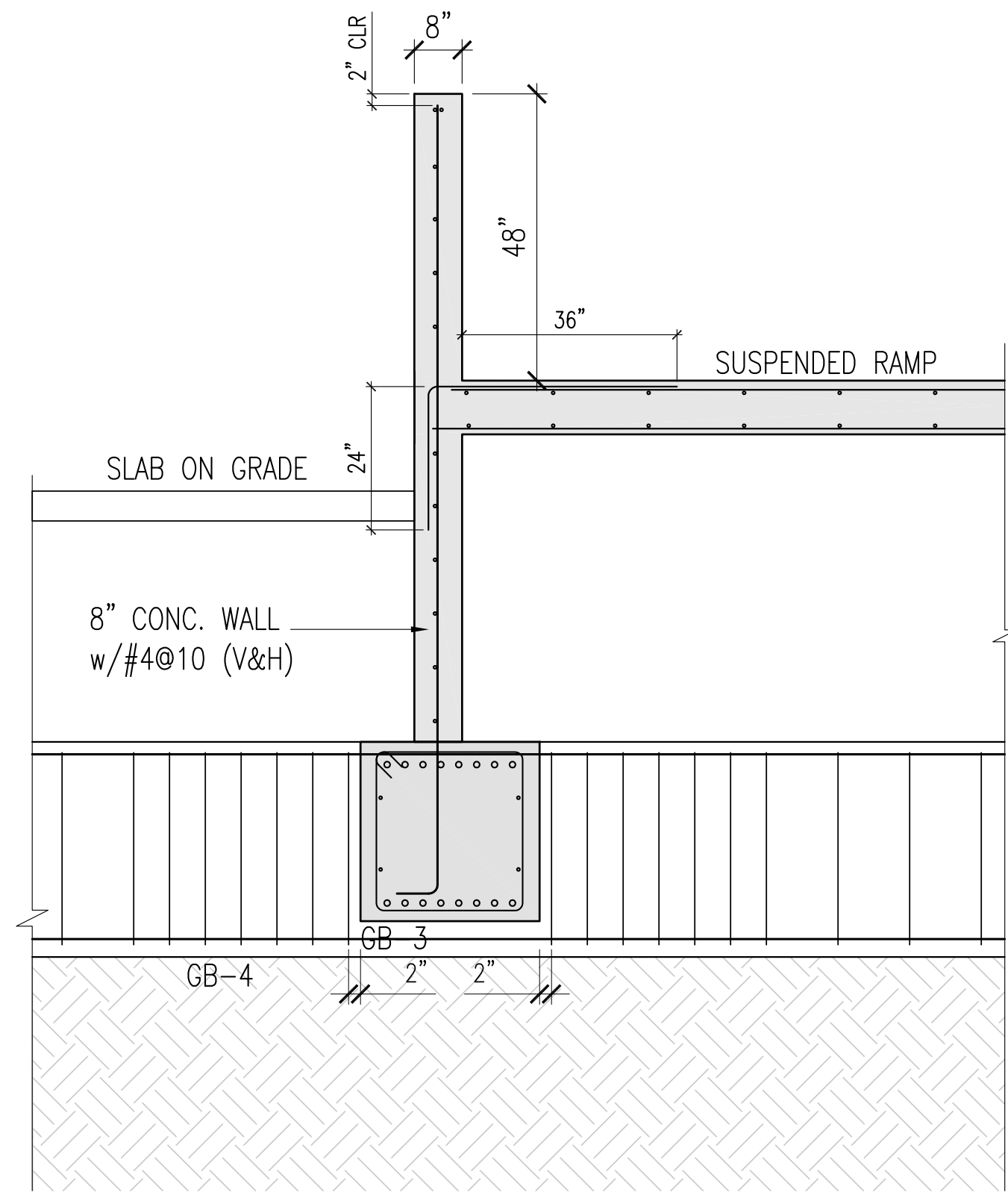
SHEET NO.
S305



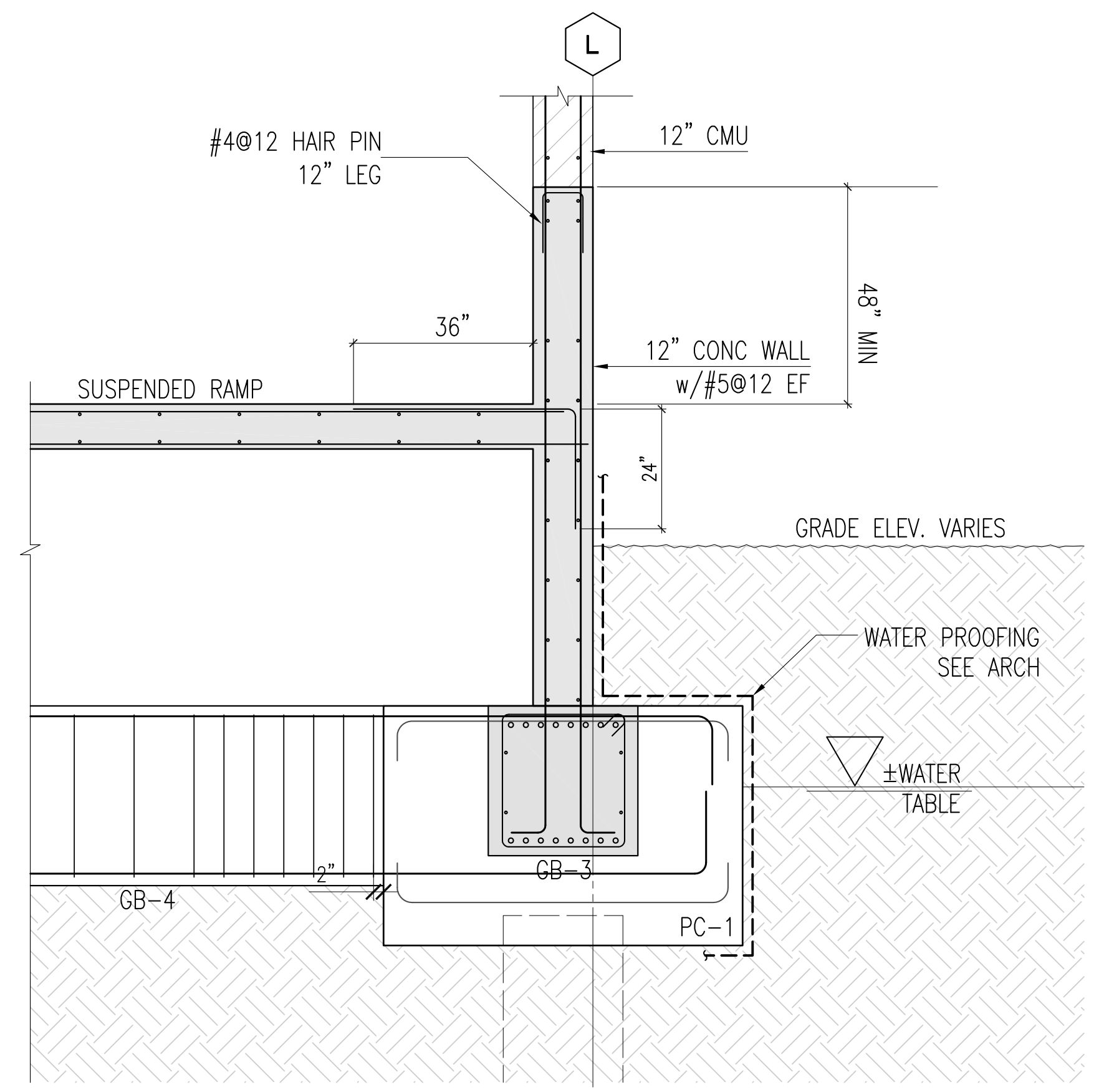
4 SECTION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE



3 SECTION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE



2 SECTION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE



1 SECTION
SCALE: 1/2" = 1'-0"
GRAPHIC SCALE



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Honolulu, Hawaii
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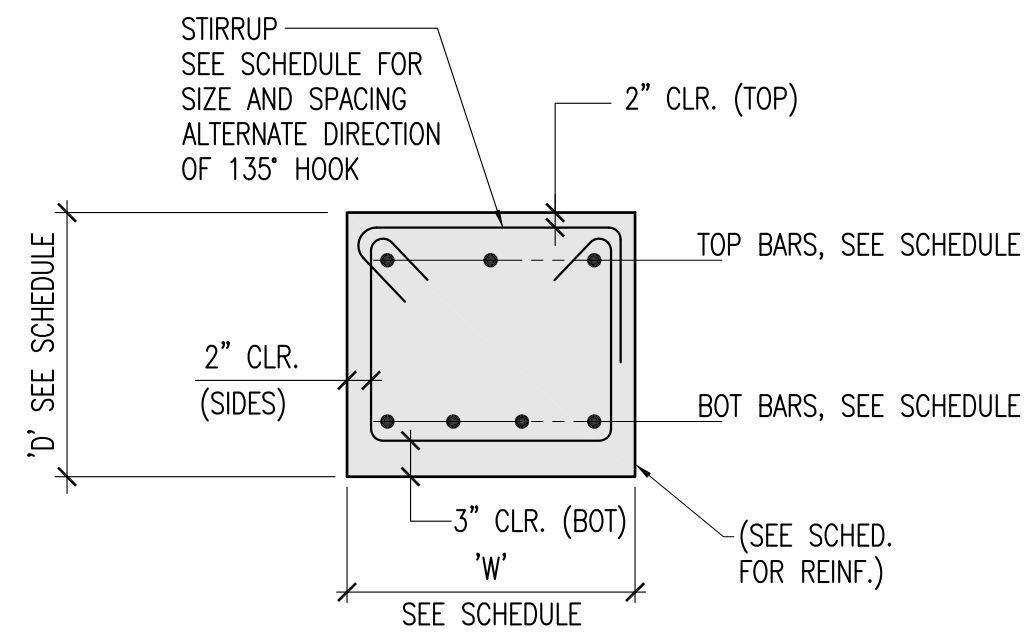
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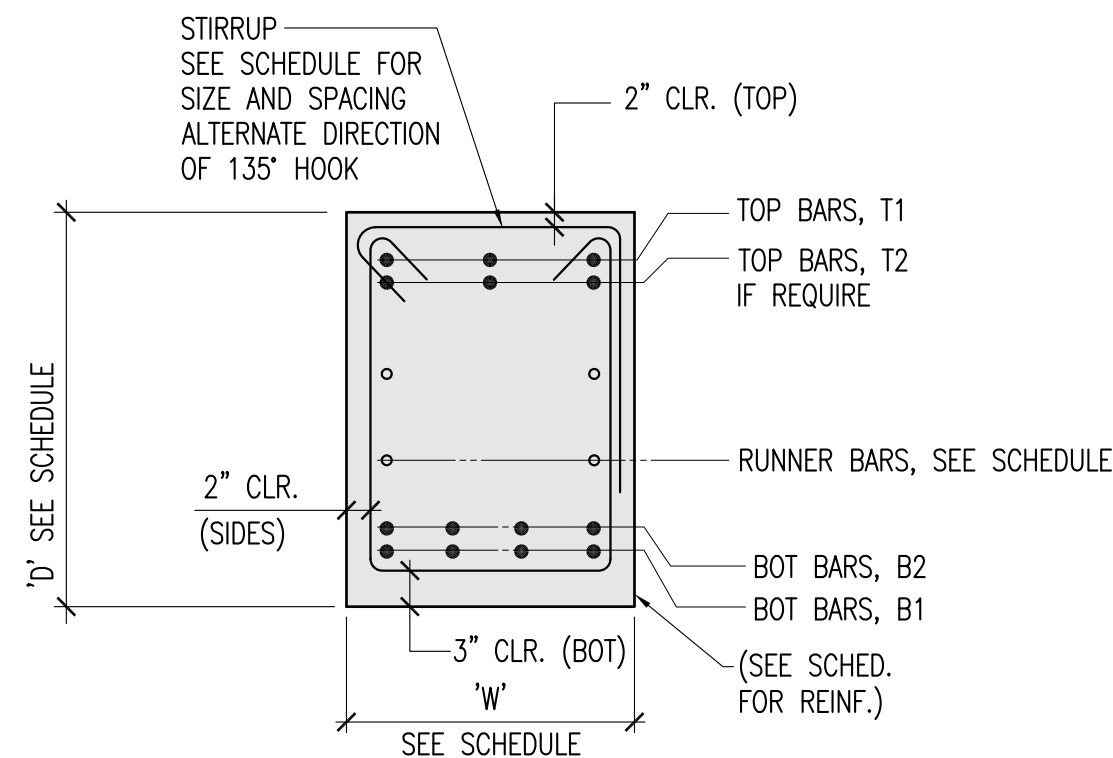
SECTIONS

SHEET NO.

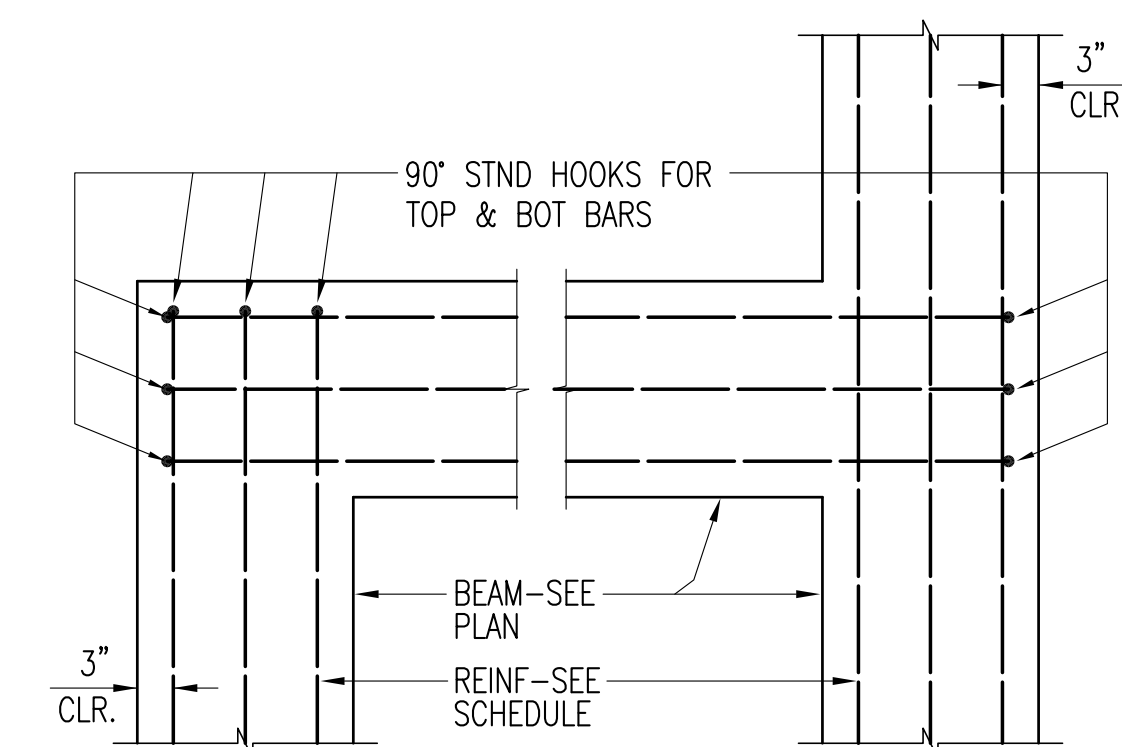
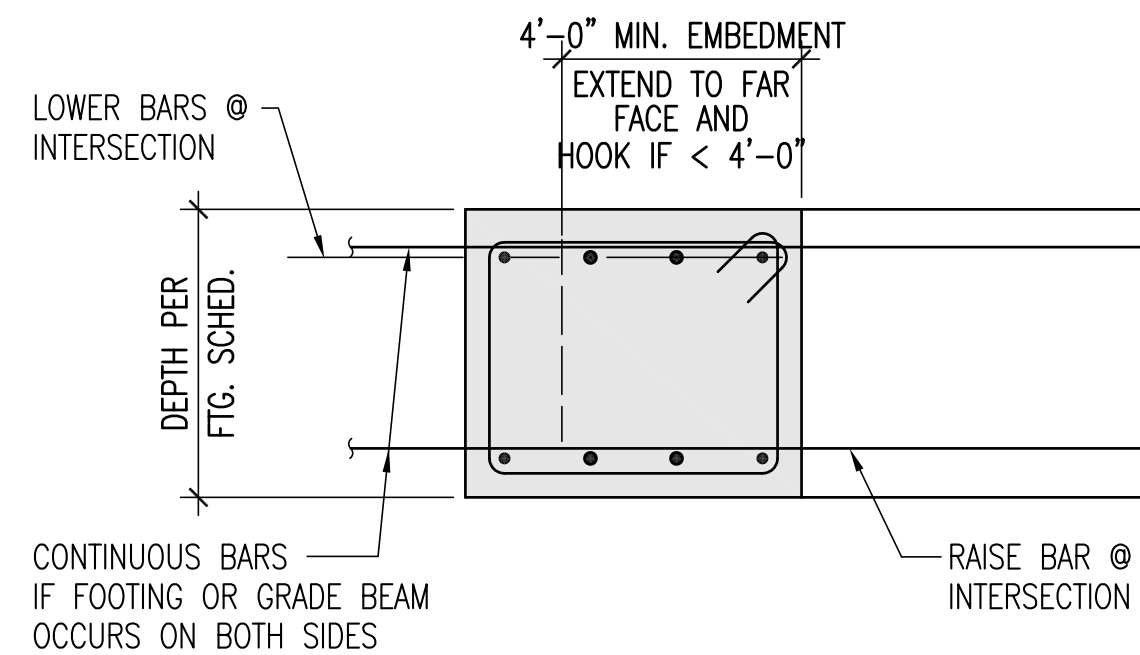
S306



NOTES:
1. SEE 2,3,4,5,6,7/S311 FOR OTHER TYPICAL BEAM DETAILS.



NOTES:
1. SEE 2,3,4,5,6,7/S311 FOR OTHER TYPICAL BEAM DETAILS.
2. USE DOUBLE STIRRUPS FOR GRADE BEAMS WIDER THAN 30"

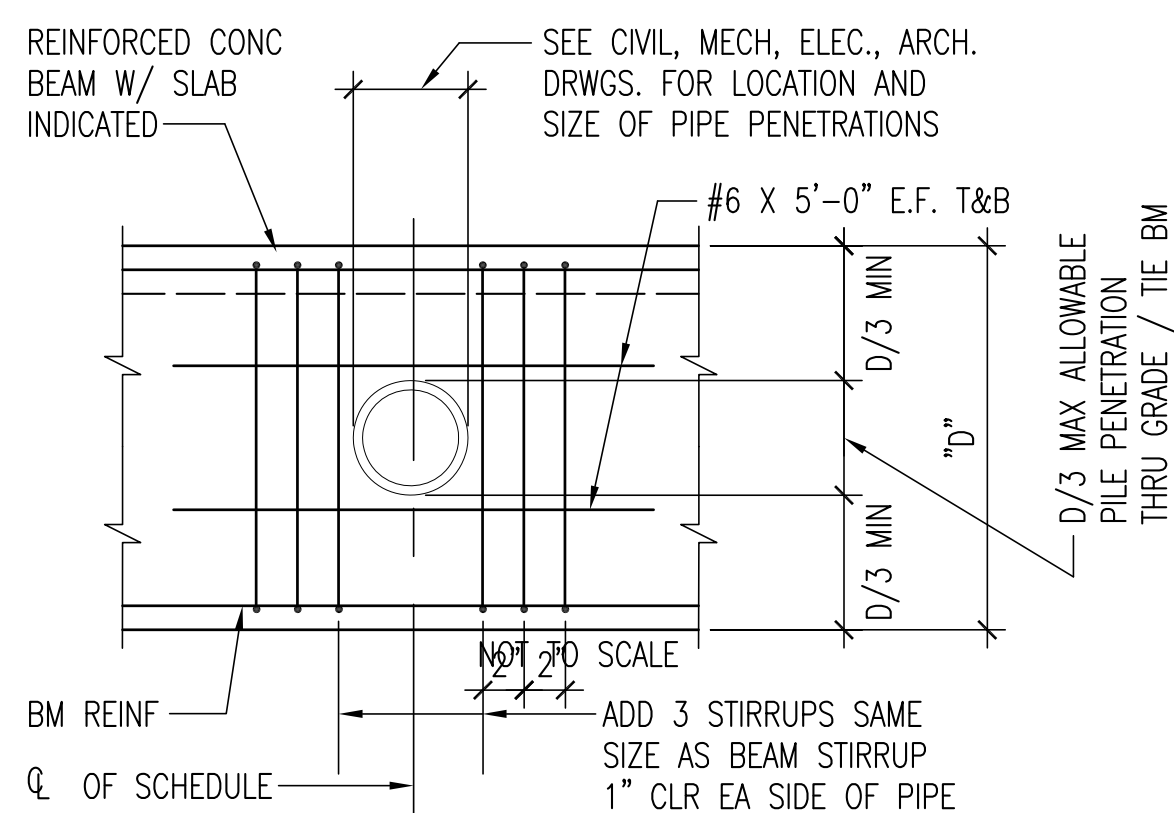


2 TIE BEAM SECTION
NOT TO SCALE

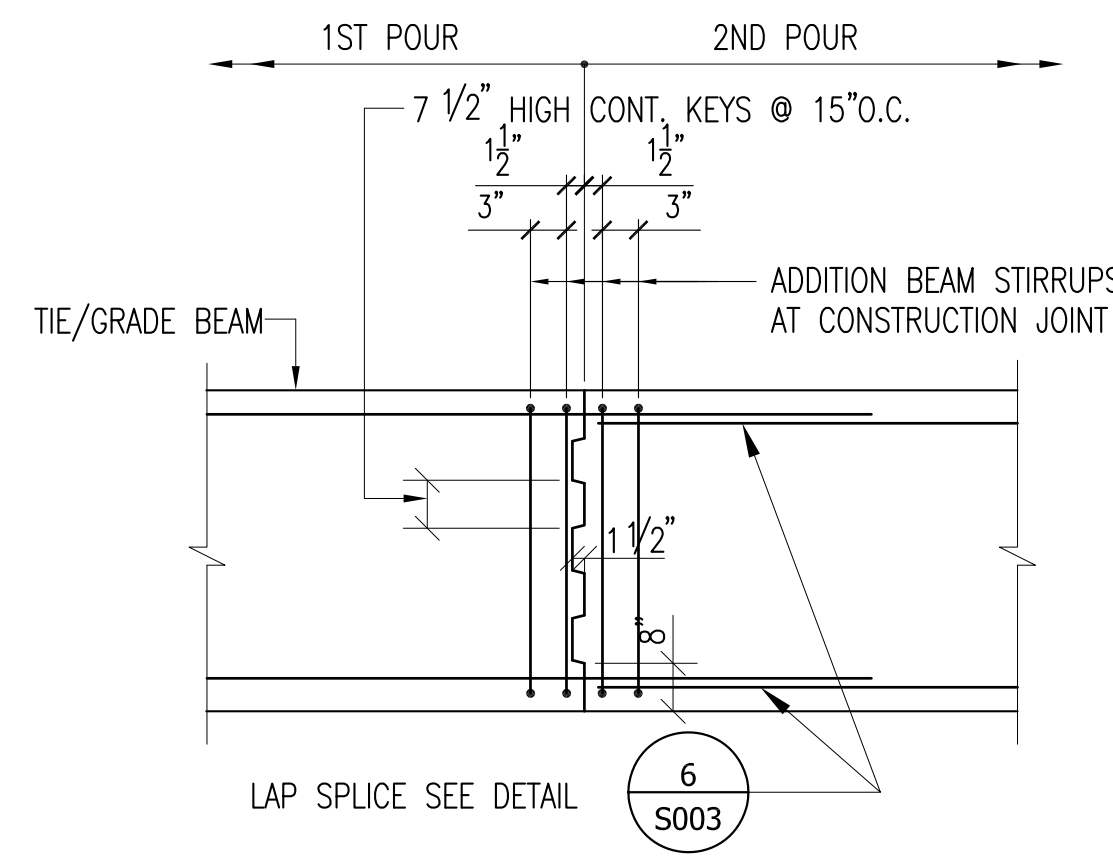
3 GRADE BEAM SECTION
NOT TO SCALE

4 TIE BM./GRADE BM. INTERSECTION
NOT TO SCALE

5 TYPICAL GRADE/TIE BEAM REINF'T AT INTERSECTIONS - PLAN
NOT TO SCALE



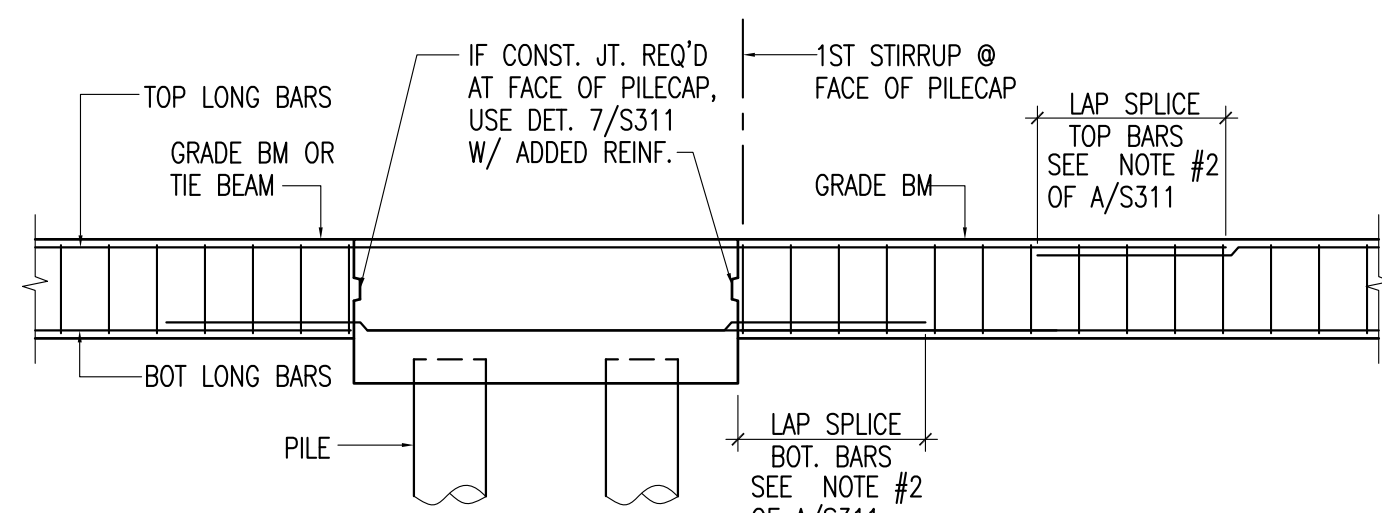
NOTE: PENETRATIONS THRU BEAMS MUST BE SHOWN ON REBAR SHOP DRAWINGS; (NO EXCEPTIONS).



NOTE: WHERE CONT. FOOTING IS UNDER A WALL, LOCATE CONSTRUCTION JOINT IN MIDDLE 1/3 OF THE CLEAR OPENING WIDTH ABOVE, OR IN MIDDLE 1/3 OF THE DISTANCE BETWEEN COLUMNS.

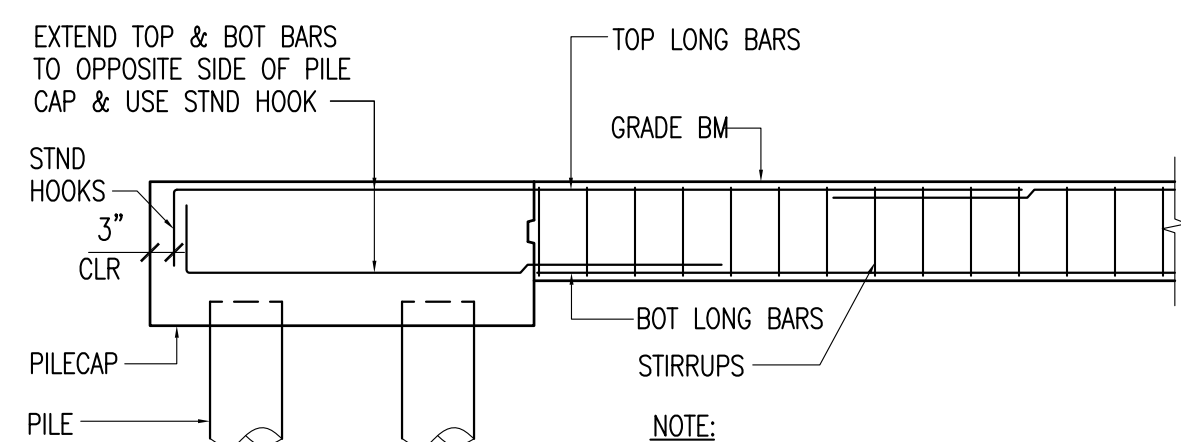
6 PIPE PENETRATION THRU GRADE / TIE BEAMS
NOT TO SCALE

7 TIE BEAM OR GRADE BEAM CONSTRUCTION JOINT

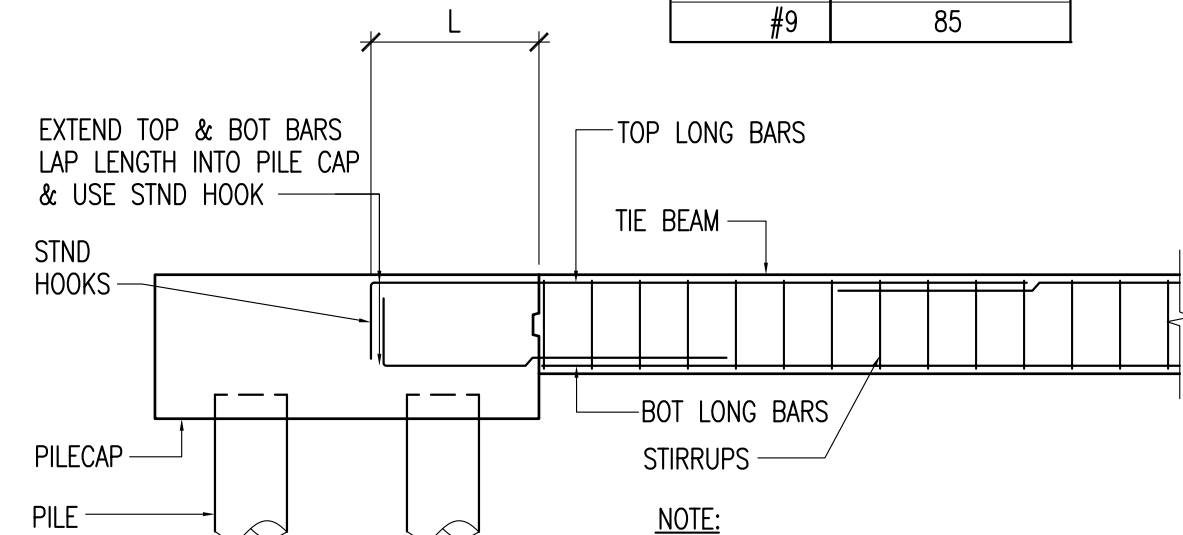


1A SECTION (GRADE BEAM (ON BOTH SIDES OF PILECAP))

BAR SIZE	TENSION LAP SPICE L (IN)
#6	46
#7	66
#8	76
#9	85



1B SECTION (GRADE BEAM (ON ONE SIDE OF PILECAP))



1C SECTION (TIE BEAM (ON ONE SIDE OF PILECAP))

MARK	DIMENSION		LONGITUDINAL BARS (TOP & BOT) SEE NOTE '4' FOR RUNNER BARS		STIRRUPS		REFERENCE DETAIL	REMARKS
	W	D	TOP BARS	BOTTOM BARS	SIZE	SPACING		
PB-1	14"	18"	3-#8	3-#8	#4	10"	2/S311	
PB-2	14"	24"	3-#8	3-#4	#4	6@6 BAL@10	2/S311	
TB-1	18"	18"	3-#8	3-#8	#4	10"	2/S311	
GB-1	24"	24"	6-#8	6-#8	#4	12"	2/S311	1-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-2	24"	30"	6-#8	6-#8	#4	12"	2/S311	1-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-3	30"	30"	8-#8	8-#8	#4	6@6 BAL@12	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-4	30"	36"	8-#8	10-#8	#4	6@6 BAL@12	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-5	30"	42"	8-#8	8-#8	#4	12"	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-6	36"	36"	10-#8	10-#8	#4	12"	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-7	36"	42"	10-#8	10-#8	#4	12"	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE
GB-8	36"	48"	10-#8	10-#8	#4	12"	2/S311	2-#5 CONT. RUNNER BARS EA. SIDE FACE

NOTES:
1. EXTEND LONGITUDINAL BARS THRU PILE CAPS. WHERE GRADE / TIE BEAMS DO NOT GO THRU PILE CAP, RUN LONGITUDINAL BARS TO OPPOSITE FACE OF PILE CAP AND TERMINATE w/ STANDARD HOOK. SEE 1/S311
2. TOP LONGITUDINAL BARS MAY BE SPLICED AT MIDDLE 1/3 SPAN OF GRADE / TIE BEAM. BOTTOM LONGITUDINAL BARS MAY BE SPLICED ADJACENT TO FACE OF PILECAP.
3. START STIRRUPS AT FACE OF PILE CAPS.

4. FOR GRADE BMS DEEPER THAN 18", ADD #5 @ 12"(H) RUNNER BARS AT EA. FACE OF BM.
5. SEE DETAILS 1,2,3,4,5,6&7/S311 FOR TYPICAL GRADE/TIE BEAM DETAILS.

1 GRADE/TIE BEAM TO PILE CAP CONNECTION
NOT TO SCALE

A GRADE BEAM AND TIE BEAM SCHEDULE
NOT TO SCALE

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CALIFORNIA INVESTMENT REGIONAL CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
TMK 2-3-016: 018 / 019 / 020

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DATE: May 27, 2020

AISE PROJECT No. 18.100

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SHEET TITLE
GRADE / TIE BEAM SCHEDULE AND DETAILS

SHEET No.
S311

NOT TO SCALE

TOWER COLUMN SCHEDULE

ROOF	COL. MARK	CT-1	CT-2	CT-3	CT-4	CT-5	CT-6	CT-7	CT-8	CT-9	CT-10	CT-11	CT-12	CONCRETE STRENGTH	
LEVEL 40	REINFORCING COLUMN TYPE													LEVEL 40	
LEVEL 39	REINFORCING COLUMN TYPE														
LEVEL 38	REINFORCING COLUMN TYPE														
LEVEL 37	REINFORCING COLUMN TYPE														
LEVEL 36	REINFORCING COLUMN TYPE														
LEVEL 35	REINFORCING COLUMN TYPE														
LEVEL 34	REINFORCING COLUMN TYPE														
LEVEL 33	REINFORCING COLUMN TYPE														
LEVEL 32	REINFORCING COLUMN TYPE														
LEVEL 31	REINFORCING COLUMN TYPE														
LEVEL 30	REINFORCING COLUMN TYPE														
LEVEL 29	REINFORCING COLUMN TYPE														
LEVEL 28	REINFORCING COLUMN TYPE														
LEVEL 27	REINFORCING COLUMN TYPE														
LEVEL 26	REINFORCING COLUMN TYPE														
LEVEL 25	REINFORCING COLUMN TYPE														
LEVEL 24	REINFORCING COLUMN TYPE														
LEVEL 23	REINFORCING COLUMN TYPE														
LEVEL 22	REINFORCING COLUMN TYPE														
LEVEL 21	REINFORCING COLUMN TYPE														
LEVEL 20	REINFORCING COLUMN TYPE														
LEVEL 19	REINFORCING COLUMN TYPE														
LEVEL 18	REINFORCING COLUMN TYPE														
LEVEL 17	REINFORCING COLUMN TYPE														

LEVEL 16	REC-DECK	CT-1	CT-2	CT-3	CT-4	CT-5	CT-6	CT-7	CT-8	CT-9	CT-10	CT-11	CT-12	CONCRETE STRENGTH
LEVEL 16	REC-DECK													LEVEL 16

LEVEL 15	LEVEL 14	LEVEL 13	LEVEL 12	LEVEL 11	LEVEL 10	LEVEL 9	LEVEL 8 (PODIUM)	LEVEL 7	LEVEL 6	LEVEL 5	LEVEL 4	LEVEL 3	LEVEL 2	LEVEL 1	FND	CONCRETE STRENGTH
LEVEL 15	LEVEL 14	LEVEL 13	LEVEL 12	LEVEL 11	LEVEL 10	LEVEL 9	LEVEL 8 (PODIUM)	LEVEL 7	LEVEL 6	LEVEL 5	LEVEL 4	LEVEL 3	LEVEL 2	LEVEL 1	FND	

LEVEL 8 (PODIUM)	LEVEL 9	LEVEL 16 REC-DECK	LEVEL 17	LEVEL 18	LEVEL 19	LEVEL 20	LEVEL 21	LEVEL 22	LEVEL 23	LEVEL 24	LEVEL 25	LEVEL 26	LEVEL 27	LEVEL 28	LEVEL 29	LEVEL 30	LEVEL 31	LEVEL 32	LEVEL 33	LEVEL 34	LEVEL 35	LEVEL 36	LEVEL 37	LEVEL 38	LEVEL 39	LEVEL 40	ROOF
LEVEL 8 (PODIUM)	LEVEL 9	LEVEL 16 REC-DECK	LEVEL 17	LEVEL 18	LEVEL 19	LEVEL 20	LEVEL 21	LEVEL 22	LEVEL 23	LEVEL 24	LEVEL 25	LEVEL 26	LEVEL 27	LEVEL 28	LEVEL 29	LEVEL 30	LEVEL 31	LEVEL 32	LEVEL 33	LEVEL 34	LEVEL 35	LEVEL 36	LEVEL 37	LEVEL 38	LEVEL 39	LEVEL 40	ROOF

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DATE: May 27, 2020

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SHEET TITLE: COLUMN SCHEDULE

SHEET No. S601

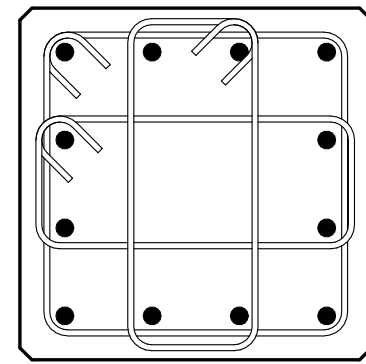
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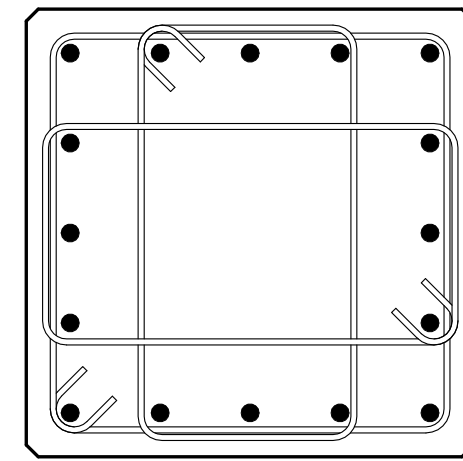
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Signature: _____
Expiration Date: 4/30/2022

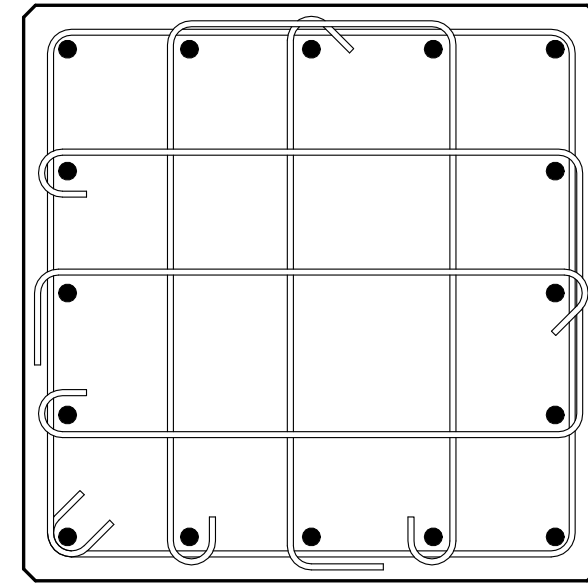
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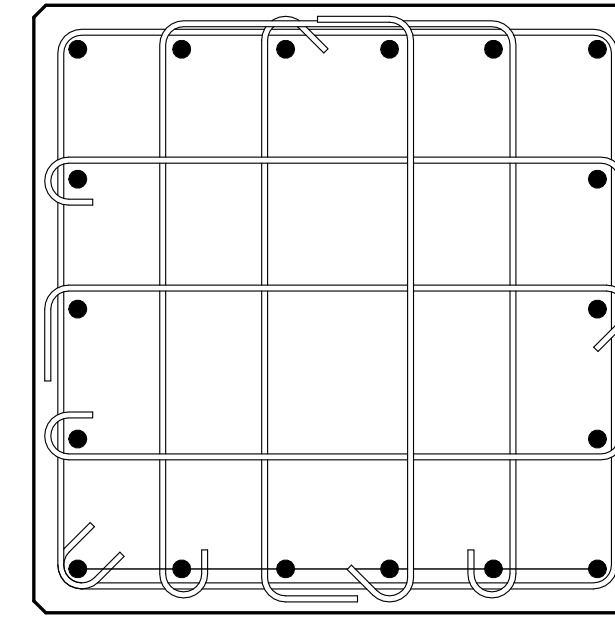
12 BARS
TYPE "A"



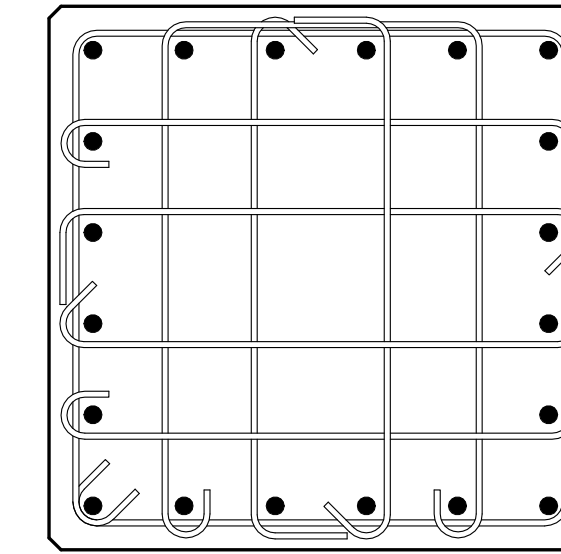
16 BARS
TYPE "B"



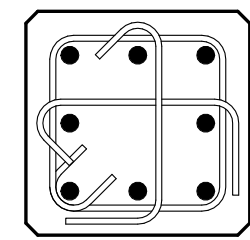
16 BARS
TYPE "C"



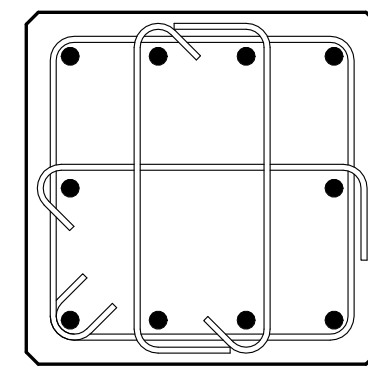
18 BARS
TYPE "D"



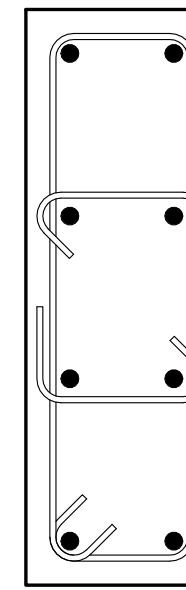
20 BARS
TYPE "E"



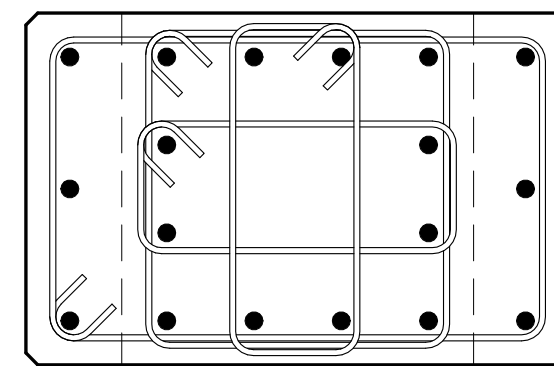
8 BARS
TYPE "F"



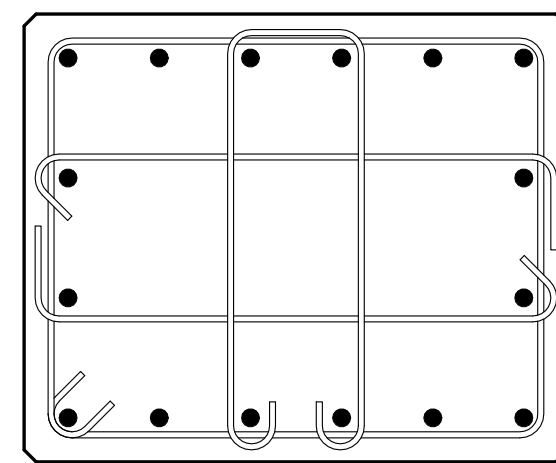
10 BARS
TYPE "G"



8 BARS
TYPE "J"



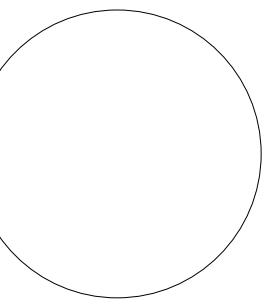
18 BARS
TYPE "K"



16 BARS
TYPE "L"

1 COLUMN TYPES
1" = 1'-0"

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Hawaii Ocean Plaza
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T.M.K. 2-3-016 : 018 / 019 / 020

FOUNDATION PERMIT

DATE May 27, 2020

PROJECT # 18.100

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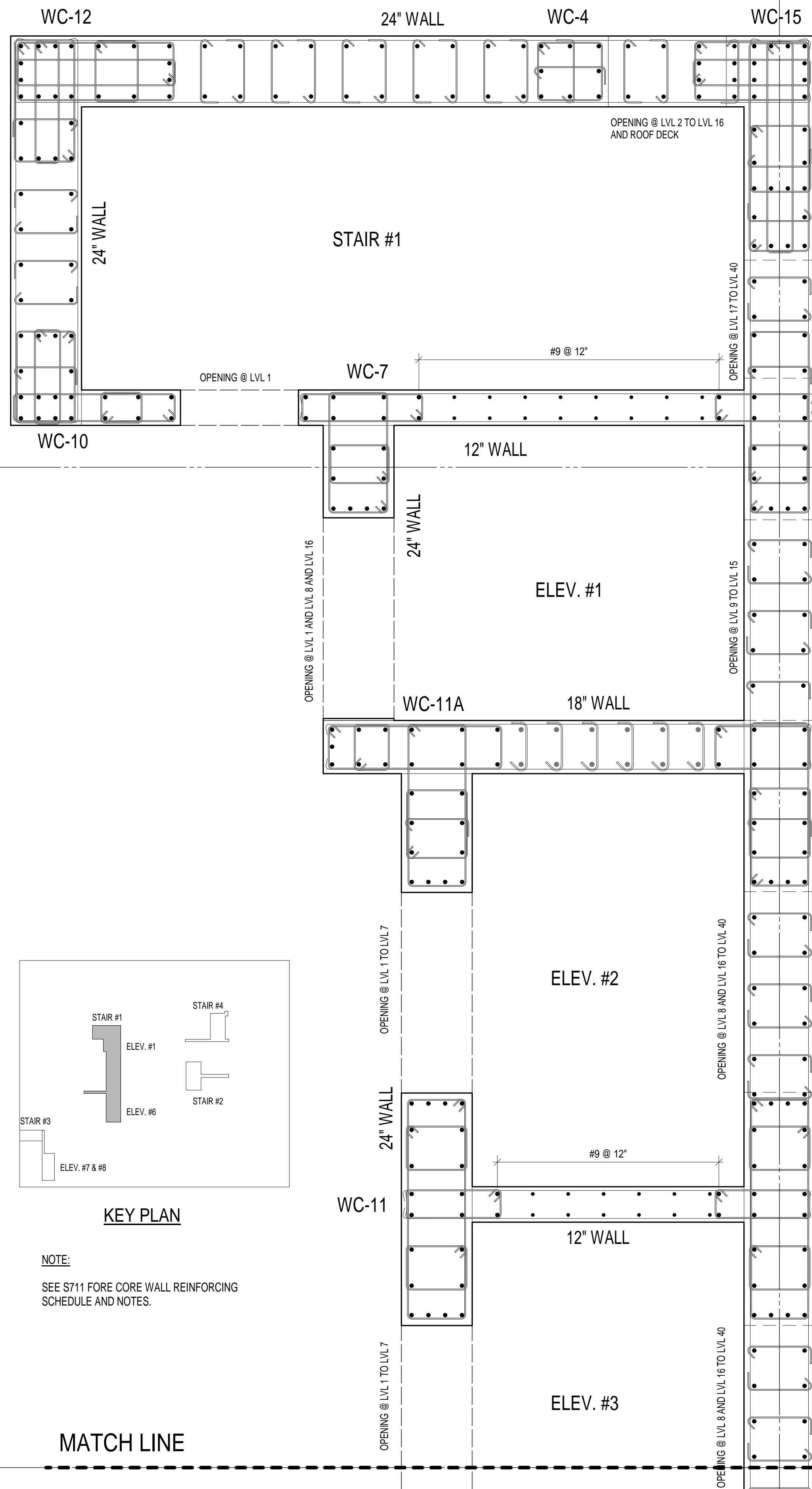
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SHEET TITLE:
**COLUMN
TYPES**

SHEET NO.
S602

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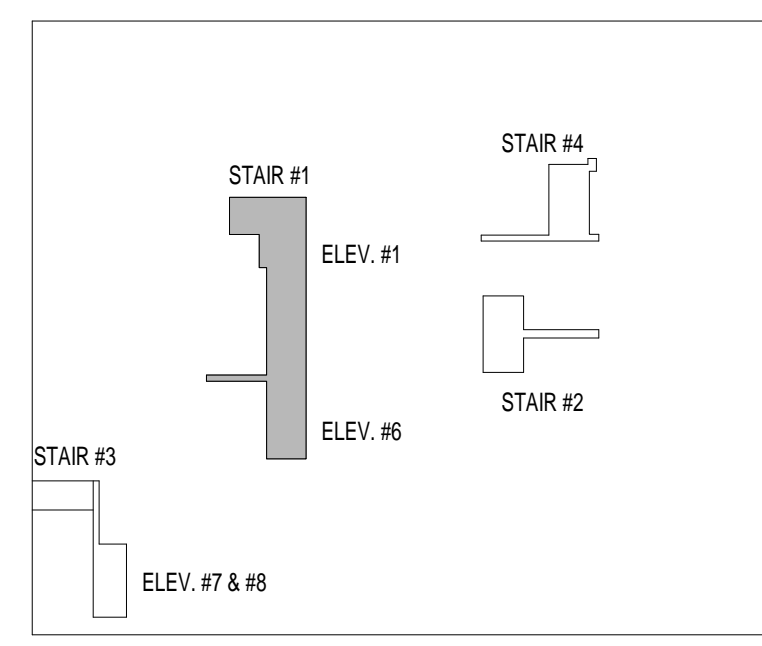
P:\2018_JOBS\18100_HOP_HighRise\HOP April 2020 fnd restart\Revit April 2020\HOP HIGH RISE-R18.rvt



MATCH LINE

MATCH LINE

MATCH LINE



KEY PLAN

NOTE:
SEE S711 FORE CORE WALL REINFORCING
SCHEDULE AND NOTES.

1 ELEVATOR CORE AND STAIR #1 AT GROUND LEVEL
1/2" = 1'-0"

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Expiration Date: 4/30/2022

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DATE May 27, 2020

PROJECT # 18.100

REVISIONS

- 0 2000 00-00
- 0
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- 0

SHEET TITLE:
ELEVATOR
CORE AND
STAIR #1 AT
GROUND
LEVEL

SHEET NO.
S701

CORE WALL REINFORCEMENT SCHEDULE

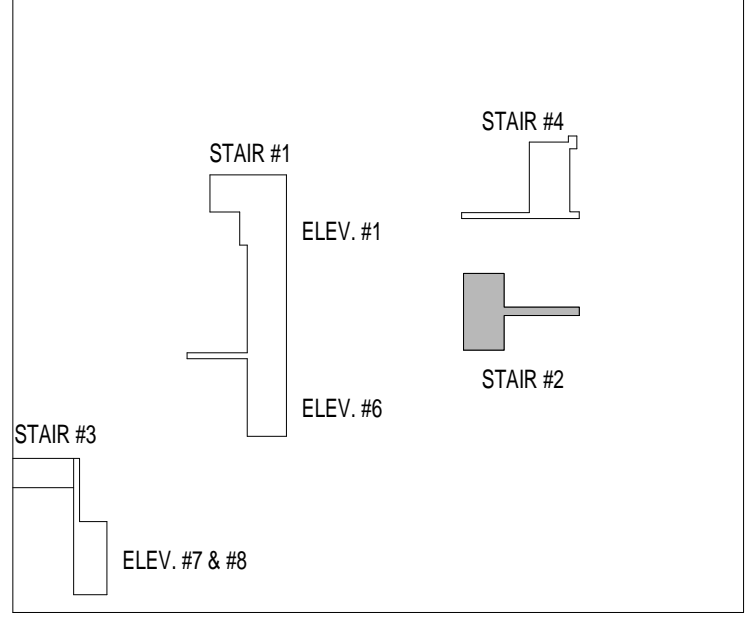
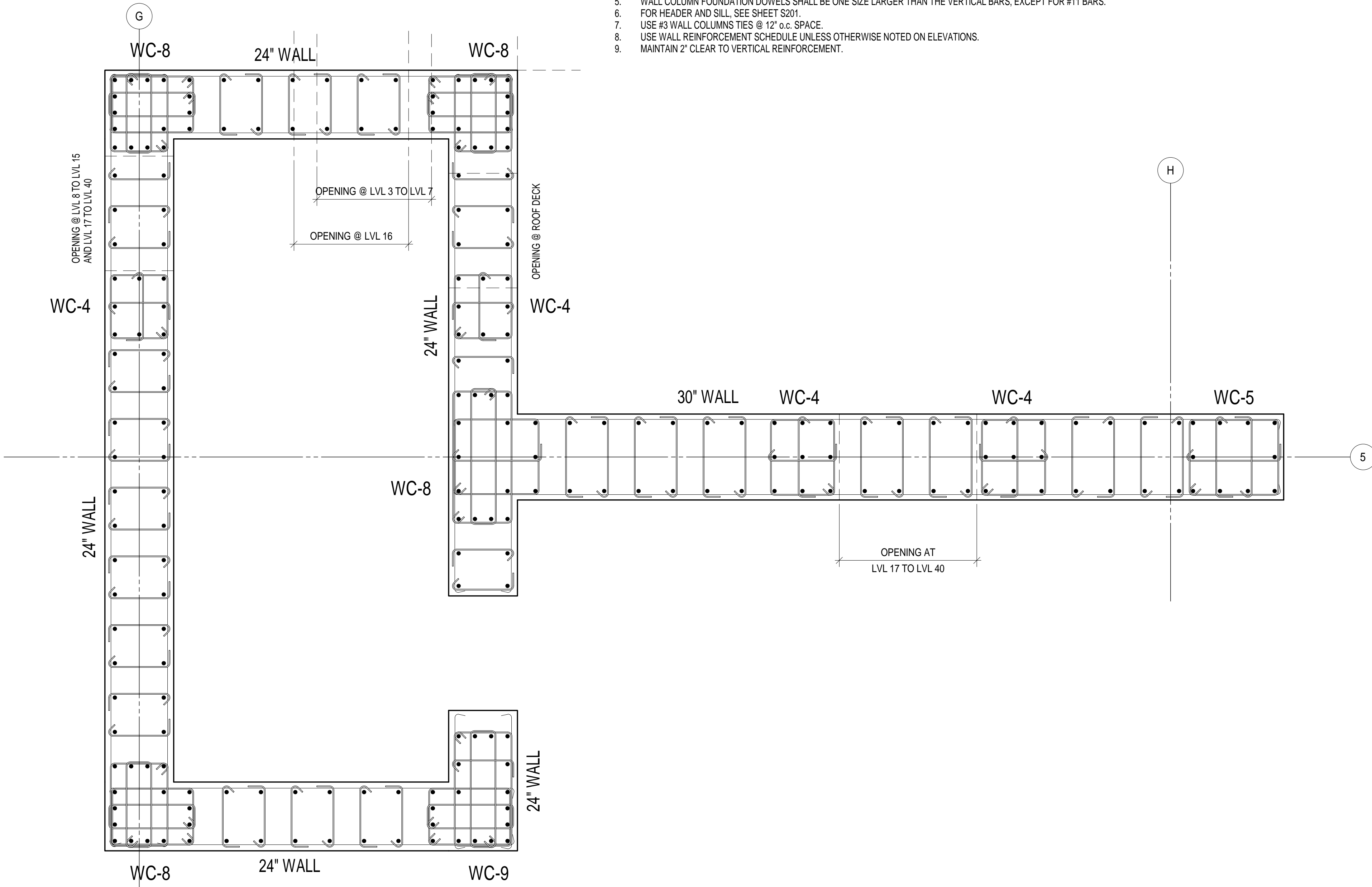
LEVELS		WALL THKS	F _c CONC STRENGTH psi	WALL-COLUMN REINFORCEMENT																WALL REINFORCEMENT	
FROM	TO			WC-1	WC-2	WC-3	WC-4	WC-5	WC-6	WC-7	WC-8	WC-9	WC-10	WC-11	WC-12	WC-13	WC-14	WC-15	WC-16	HORIZONTAL	VERTICAL
1ST	2ND	SEE PLAN	8,500	2-#11	4-#11	6-#11	8-#11	10-#11	12-#11	14-#11	16-#11	18-#11	20-#11	22-#11	23-#11	26-#11	28-#11	30-#11	32-#11	#5 @9" E.F.	#11 @12" E.F.

NOTES:

- SEE S005 STANDARD DETAILS FOR WALL REINFORCEMENT NOT SHOWN.
- THE SPACE BETWEEN THE LAST VERTICAL REINF. @ WALL COL. AND THE FIRST WALL WEB VERTICAL REINF. SHALL BE NO MORE THAN 8"
- WALL COLUMN REINF. SHALL BE TENSION LAP SPLICED. SEE TABLE 6/S003 FOR SPLICE LENGTH.
- AT TRANSITION LEVELS, WALL COLUMN REINF. AND REINF. CAGE SHALL EXTEND @ LEAST ONE LEVEL BELOW AND DOWEL ACCORDINGLY.
- WALL COLUMN FOUNDATION DOWELS SHALL BE ONE SIZE LARGER THAN THE VERTICAL BARS, EXCEPT FOR #11 BARS.
- FOR HEADER AND SILL, SEE SHEET S201.
- USE #3 WALL COLUMNS TIES @ 12" o.c. SPACE.
- USE WALL REINFORCEMENT SCHEDULE UNLESS OTHERWISE NOTED ON ELEVATIONS.
- MAINTAIN 2" CLEAR TO VERTICAL REINFORCEMENT.

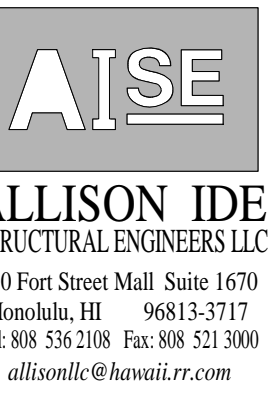
SYMBOLS:

- WALL COLUMN VERTICAL REINFORCEMENT
- EXTENDED VERTICAL BAR FROM WALL ABOVE OR BELOW

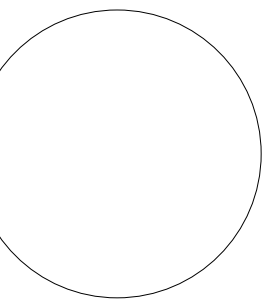


KEY NOTE

1 STAIR #2 AT GROUND AND 2ND FLOOR LEVEL
1/2" = 1'-0"



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allisonllc@hawaii.rr.com



Signature
Expiration Date: 4/30/2022

This work was prepared by me or under my supervision. Construction of this project will be under my observation. Observation as defined in Section 16-115-2 of Hawaii Administrative Rules 9-12-02 Title 16, Chapter 115, Professional Engineers, Architects, Surveyors, and Landscape Architects.

CALIFORNIA
INVESTMENT
REGIONAL
CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
T.M.K. 2-3-016 : 018 / 019 / 020

FOUNDATION PERMIT

DATE May 27, 2020

PROJECT # 18.100

REVISIONS

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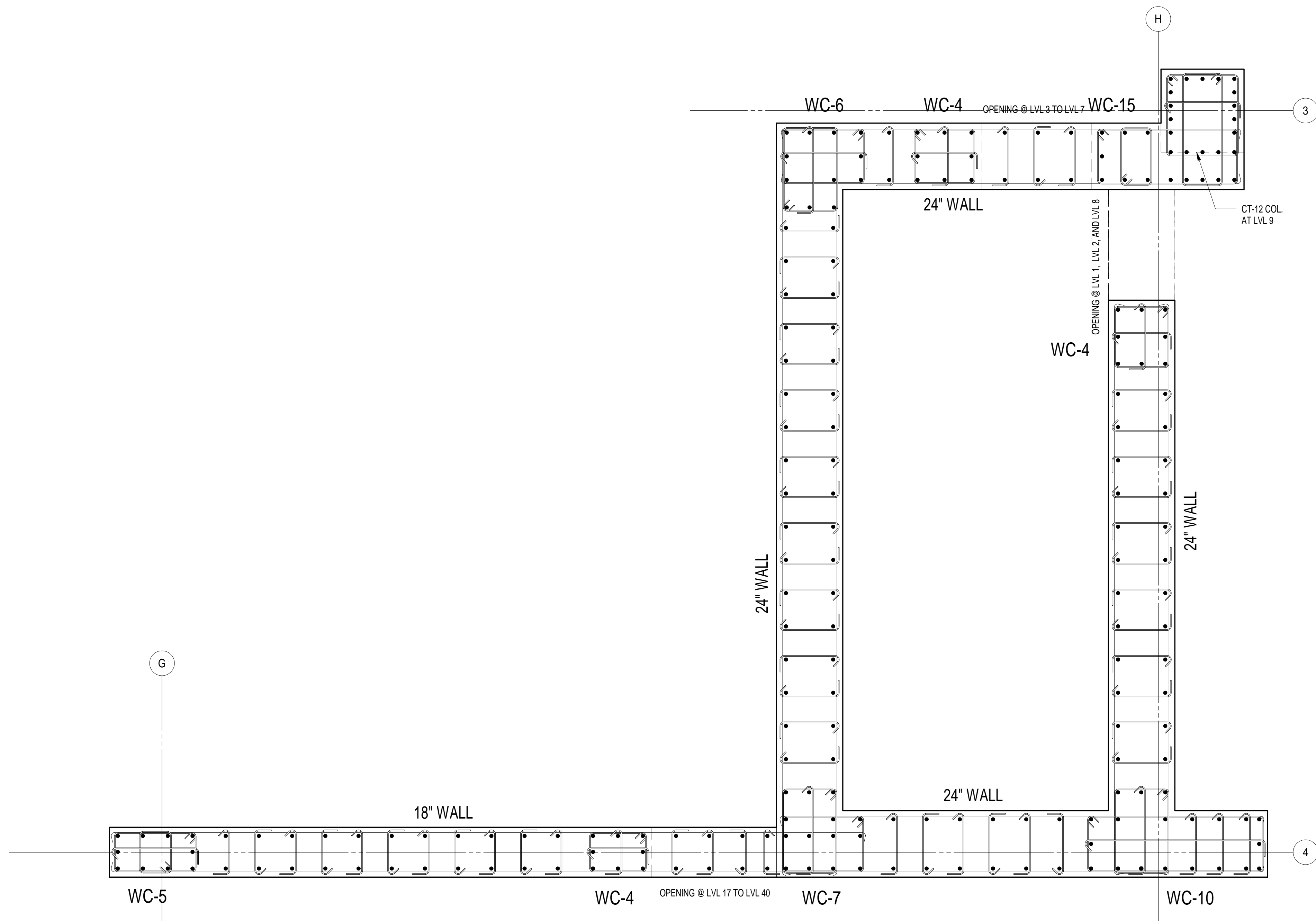
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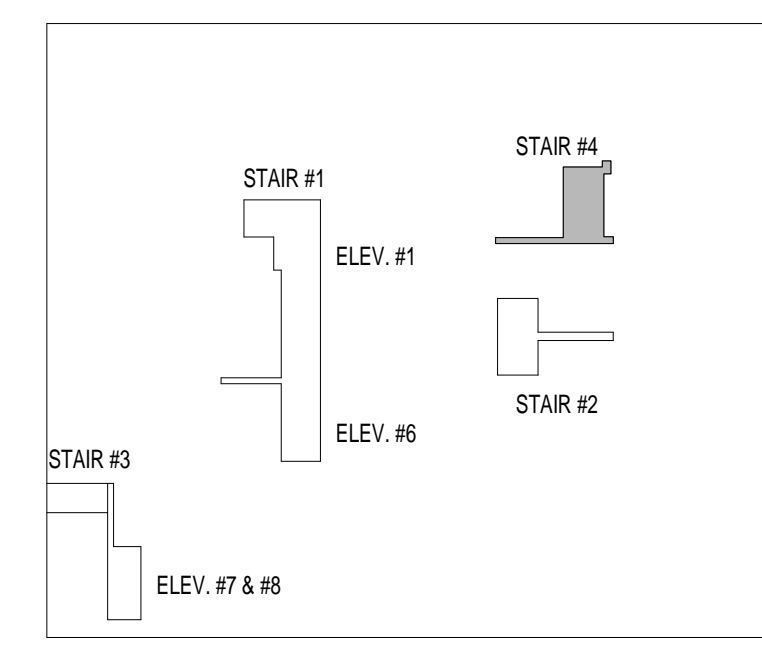
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SHEET TITLE:
**STAIR #2 AT
GROUND &
2ND FLOOR
LEVEL**

SHEET NO.
S711



1 STAIR #4 AT GROUND LEVEL
1/2" = 1'-0"

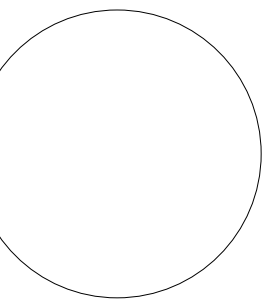


KEY NOTE

NOTE:
SEE S711 FOR CORE WALL REINFORCING SCHEDULE AND NOTES.



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Expiration Date: 4/30/2022

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REVISIONS

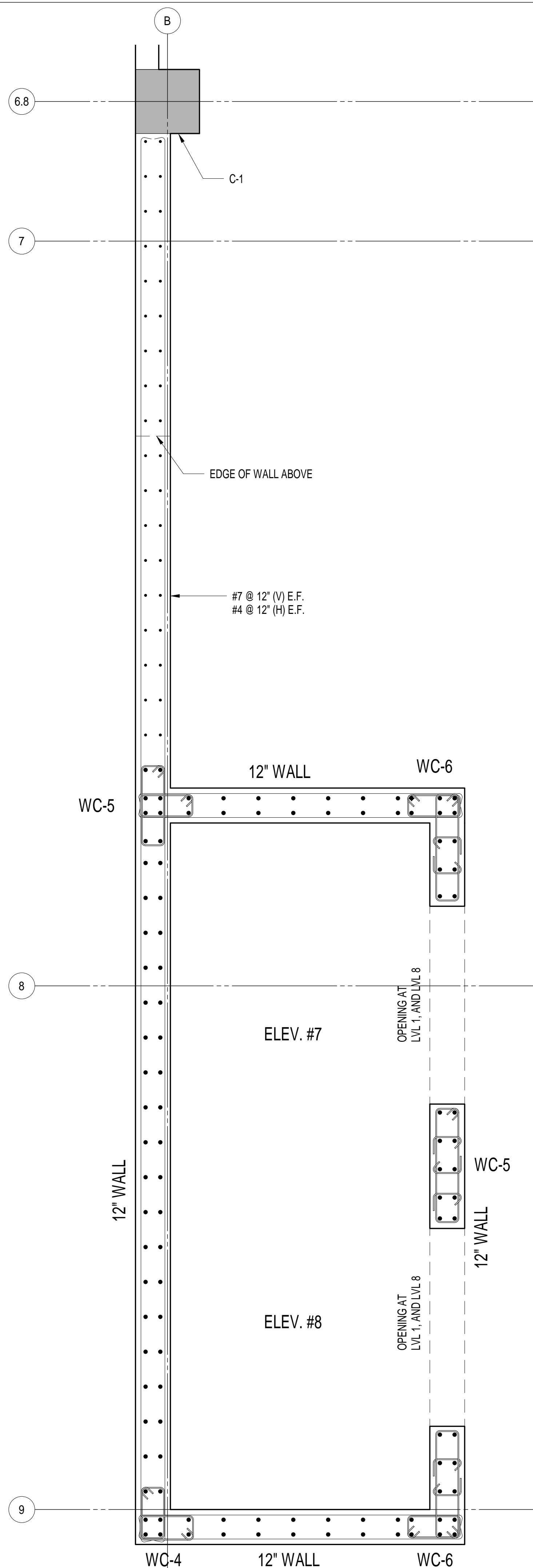
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SHEET TITLE:
**STAIR #4
GROUND
LEVEL**

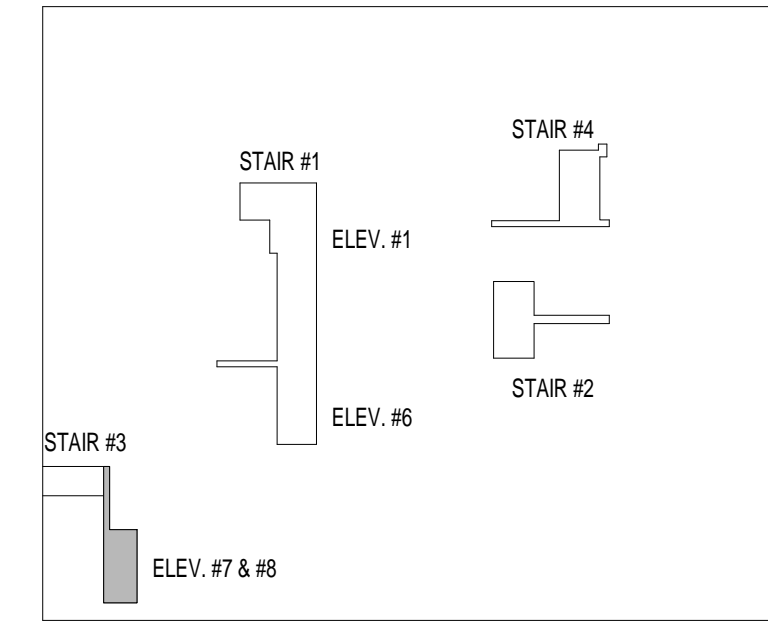
SHEET NO.
S721

5/27/2020 3:24:38 PM

P:\2018_JOBS\18100_HOP_HighRise\HOP April 2020 fnd restart\Revit April 2020\HOP HIGH RISE-R18.rvt



1 ELEVATOR #7 & #8 AT GROUND LEVEL
1/2" = 1'-0"



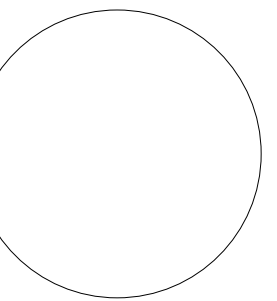
KEY NOTE

NOTE:

SEE S711 FORE CORE WALL REINFORCING SCHEDULE AND NOTES.



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Signature
Expiration Date: 4/30/2022

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FOUNDATION PERMIT

DATE May 27, 2020

PROJECT # 18.100

REVISIONS

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0	

SHEET TITLE:
**ELEVATOR #7,
#8 AND STAIR
#3 AT GROUND
TO LEVEL 8**

SHEET NO.
S731

NOT FOR
CONSTRUCTION



ARCHITECT:
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

NOTE: CONTRACTOR SHALL CHECK
AND VERIFY ALL DIMENSIONS AT JOB
BEFORE PROCEEDING WITH WORK.

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CENTER LLC

Hawaii Ocean Plaza
Honolulu, Hawaii
T.M.K. 2-3-016-.018/019/020

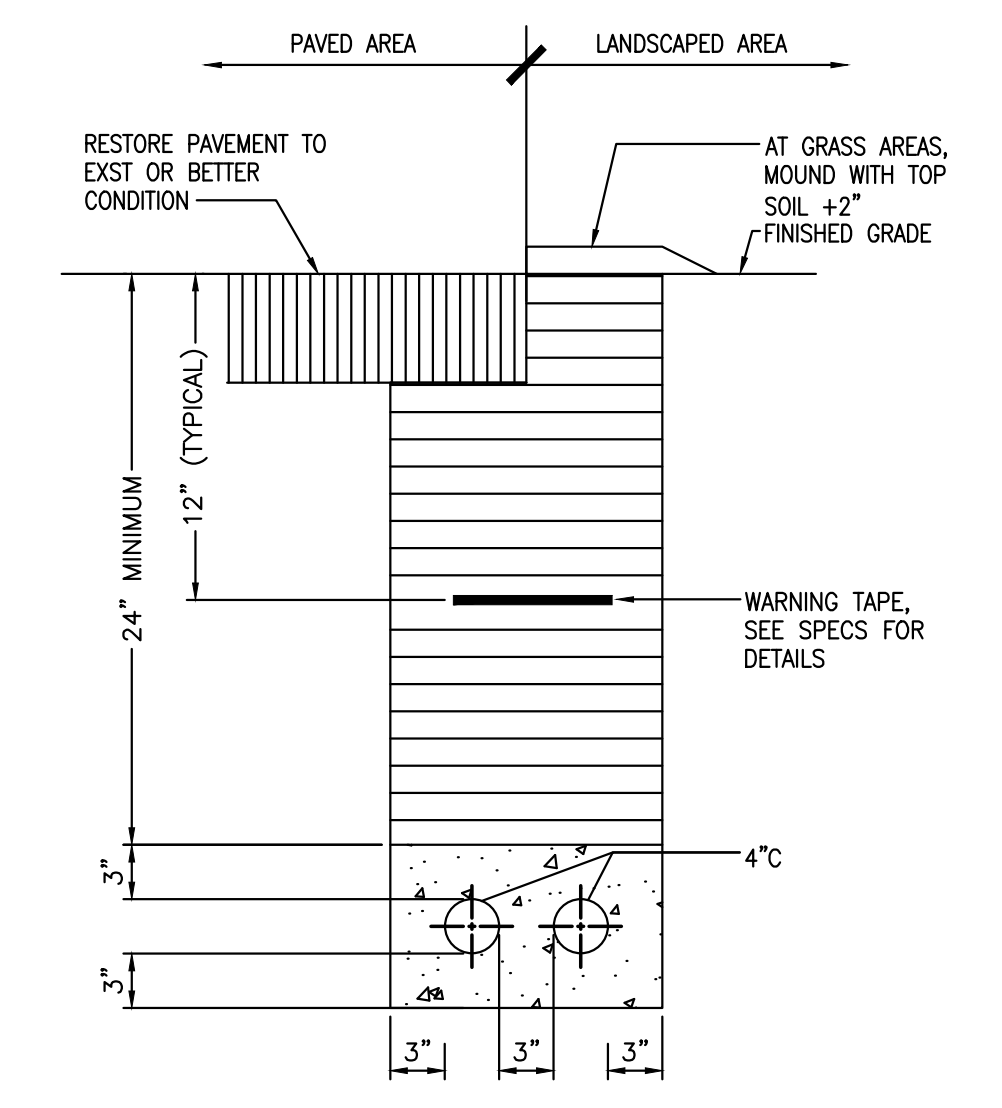
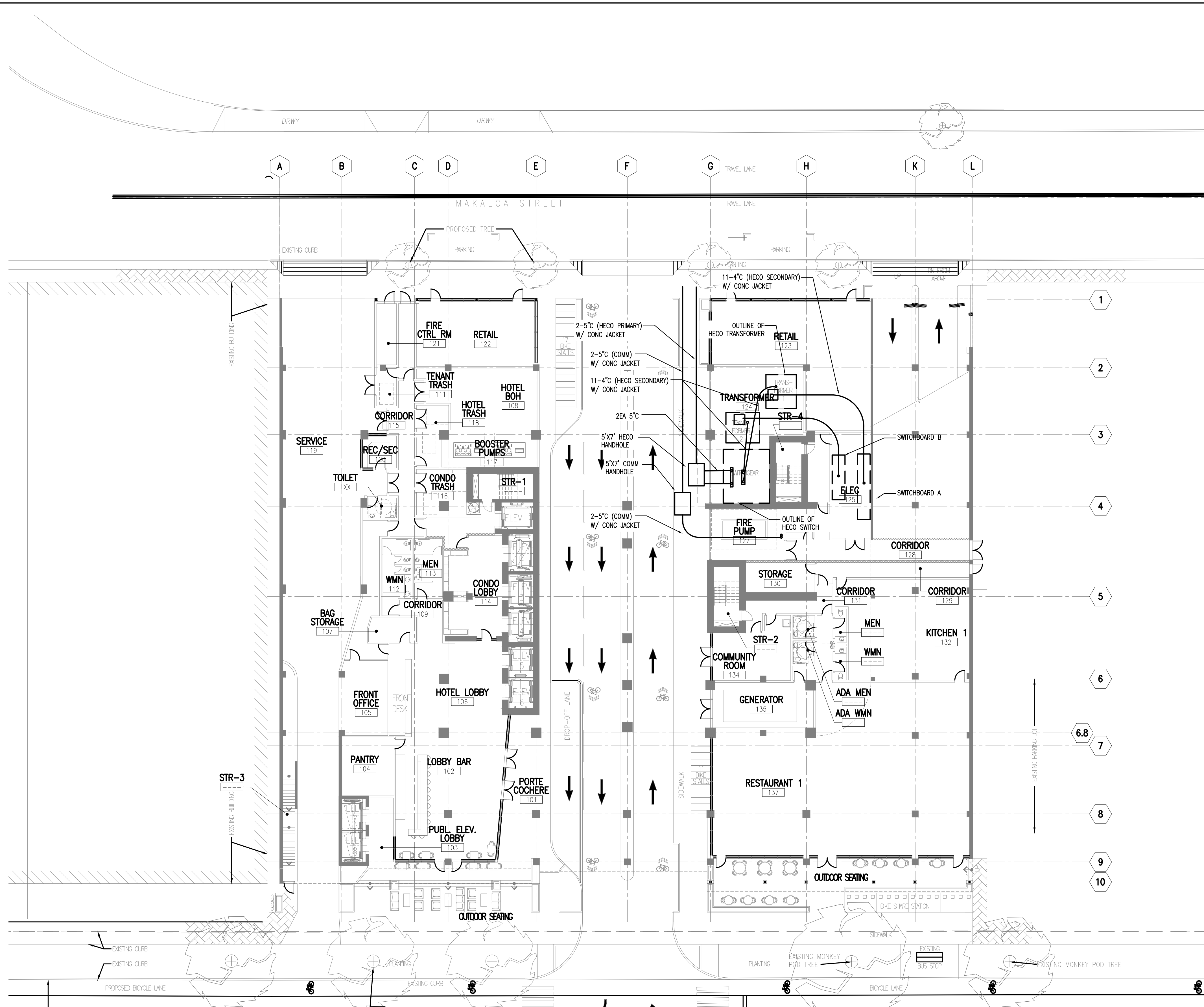
INTERIM
REVIEW SET

DATE 2020 JUNE 09

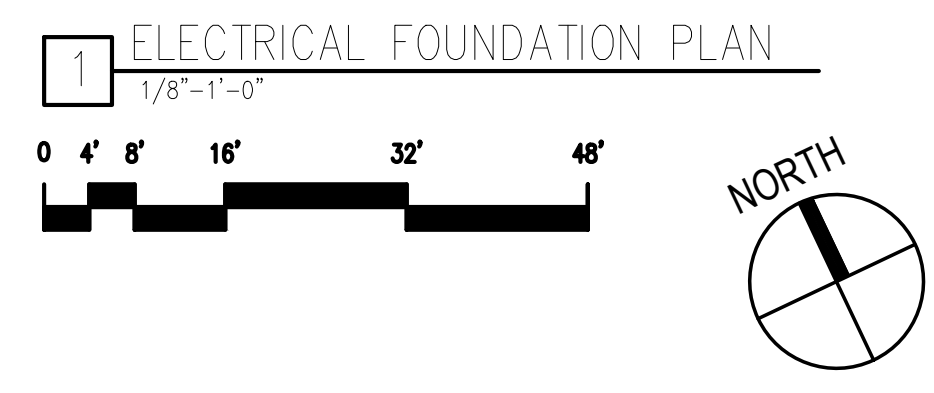
PROJECT # 16009

SHEET CONTENT:
ELECTRICAL
FOUNDATION
PLAN

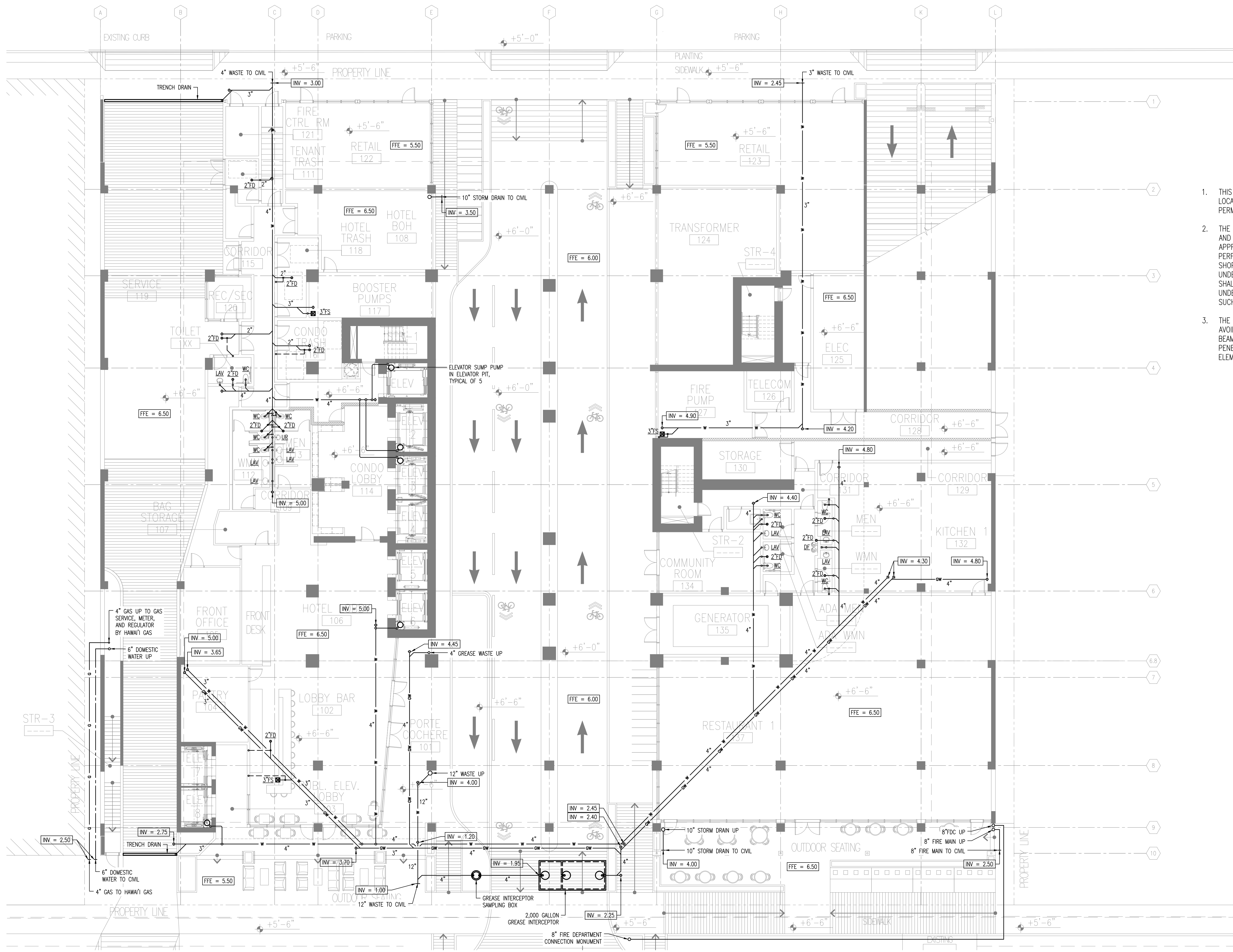
SHEET NO.
ES-1.01



2 ELECTRICAL DUCT DETAIL
NTS



FOR STUB OUT LOCATIONS ONLY



SHEET NOTES

1. THIS SHEET IS INTENDED ONLY FOR STUB OUT LOCATIONS OF UNDERGROUND PIPING AND FOUNDATION PERMIT APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT FULLY COORDINATED AND DIMENSIONED SHOP DRAWINGS FOR REVIEW AND APPROVAL OF ENGINEER AND DESIGN TEAM PRIOR TO PERFORMING ANY WORK SHOWN ON THIS SHEET. THE SHOP DRAWINGS SHALL INCLUDE COORDINATION OF ALL UNDERGROUND PIPE INVERTS WITH OTHER TRADES AND SHALL DEFINE ANY NECESSARY PENETRATIONS THROUGH UNDERGROUND STRUCTURAL FOUNDATION ELEMENTS SUCH AS PONY WALLS.
3. THE DESIGN SHOWN ON THIS SHEET IS INTENDED TO AVOID ANY PENETRATIONS THROUGH PILE CAPS, GRADE BEAMS, AND TIE BEAMS. THE CONTRACTOR SHALL AVOID PENETRATIONS THROUGH UNDERGROUND STRUCTURAL ELEMENTS WHEREVER POSSIBLE.

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 Big Firm Results. Small Firm Service.
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ENGINEER:
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

NOTE: CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AT JOB BEFORE PROCEEDING WITH WORK.

CALIFORNIA INVESTMENT REGIONAL CENTER LLC

Hawaii Ocean Plaza
 Honolulu, Hawaii
 T.M.K. 2-3-016:018/019/020

FOUNDATION PERMIT

DATE 2020 JUN 12

PROJECT # 16009

SHEET CONTENT:
 PLUMBING FOUNDATION PLAN

SHEET NO.
 P1-1.0

1 PLUMBING FOUNDATION PLAN
 SCALE: 3/32" = 1'-0"

