

GENERAL STRUCTURAL NOTES

GENERAL: DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE, EXCEPT AS OTHERWISE INDICATED. ADAPT REQUIREMENTS OF DETAILS, SECTIONS, PLANS, AND NOTES AT LOCATIONS WHERE CONDITIONS ARE SIMILAR.

CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

CODE REQUIREMENTS: THE BUILDING STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2017 6th EDITION OF THE FLORIDA BUILDING CODE. FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION.

SPECIAL INSPECTIONS: THIS BUILDING IS CLASSIFIED AS A "THRESHOLD BUILDING". SPECIAL INSPECTION OF THE CONSTRUCTION IS REQUIRED BY THE STATE OF FLORIDA IN ACCORDANCE WITH CHAPTER 471 OF THE FLORIDA STATUTES. CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH THE SPECIAL INSPECTION PLAN.

FORMWORK, SHORING, AND RESHORING IS REQUIRED TO BE REVIEWED BY THE SHORING DESIGN ENGINEER AND A LETTER STATING COMPLIANCE WITH THEIR INTENT SHALL BE SUBMITTED TO THE THRESHOLD INSPECTOR PRIOR TO CONCRETE PLACEMENT.

TEMPORARY CONDITIONS: THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION ONLY.

RETAINING WALLS WHICH TIE TO UPPER SLABS SHALL NOT BE BACKFILLED UNTIL THE UPPER SLABS REACH FULL STRENGTH, UNLESS ADEQUATE BRACING IS PROVIDED AT THE TOP OF THE WALL.

DESIGN CRITERIA: DESIGN WAS BASED ON STRENGTH AND DEFLECTION CRITERIA OF THE 2017 FLORIDA BUILDING CODE. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER THE 2017 FBC:

ROOF:	20 PSF LL	30 PSF SDL
FLOORS:		
STAIRS:	100 PSF LL	
GARAGE PARKING:	40 PSF LL	
STORAGE:	125 PSF LL	
WIND SPEED	140 MPH	PER CHAPTER 26 ASCE 7-10
RISK CATEGORY	105 MPH	NOMINAL
EXPOSURE	C	

OPENINGS BELOW 60 FEET SHALL BE PROTECTED FROM WIND BORNE DEBRIS PER FBC 2017 AND ASCE 7-10 REQUIREMENTS.

FOUNDATIONS: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL RECOMMENDATIONS IN THE REPORT PREPARED BY: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC PROJECT NUMBER: 4406G DATED: DECEMBER 18, 2019 WITH AN ALLOWABLE SOIL BEARING PRESSURE FOR SHALLOW FOUNDATIONS OF 8000 PSF WITH GROUND IMPROVEMENT. CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS SPECIFIED IN THE GEOTECHNICAL REPORT INCLUDING, BUT NOT LIMITED TO, SUBGRADE PREPARATIONS AND FOUNDATION INSTALLATION. THE GEOTECHNICAL ENGINEER SHALL EXAMINE THE EXCAVATION TO VERIFY SOIL CONDITIONS AND BEARING PRESSURE PRIOR TO PLACEMENT OF CONCRETE.

SUBMITTALS: SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS INCLUDING THE FOLLOWING:

CONCRETE MIX DESIGNS,
CONCRETE AND MASONRY REINFORCING,
EMBEDDED STEEL ITEMS,
STRUCTURAL STEEL.

SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER.

DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS, INCLUDING:

PRECAST PARKING GARAGE STRUCTURE,

SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION. CALCULATIONS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON THE STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE 2017 FBC.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW.

CONCRETE: REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO THE FBC AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

f _c	USE
3000 PSI	FOUNDATIONS/SLAB ON GRADE
4000 PSI	ALL USES, U.N.O.
5000 PSI	POST TENSION SLAB ON GRADE

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. FLY ASH CONFORMING TO ASTM C618, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA. COARSE AGGREGATE SHALL CONFORM TO ASTM C33 WITH A MAXIMUM SIZE OF 3/4". FINE AGGREGATE SHALL BE CLEAN, DURABLE, NATURAL SAND CONFORMING TO ASTM C33.

A WATER-REDUCING ADMIXTURE, IF USED, SHALL CONFORM TO ASTM C494 AND USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDING THAT THE SLUMP DOES NOT EXCEED 8".

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE POURING. NO SLEEVE, OPENING, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMNS UNLESS APPROVED BY THE ENGINEER. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE. WHERE INDICATED OR REQUIRED, SLOPE CONCRETE SLABS TO DRAINS SHOWN ON PLUMBING AND/OR ARCHITECTURAL DRAWINGS.

ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BAR AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

ALL DETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP-66. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS. "WET-STICKING" OF REINFORCING IS PROHIBITED.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):

FOOTINGS	3" BOTTOM AND SIDES, 2" TOP
SLABS	3/4"
BEAMS	1-1/2" TO STIRRUPS

LAP SPLICE CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS IN ACCORDANCE WITH ACI 318, LATEST EDITION, FOR CLASS "B" TENSION LAP SPLICES. DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS. SHOW ALL SPLICES ON SHOP DRAWINGS. SPLICE LOCATIONS AND METHODS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.

AT SLAB RE-ENTRANT CORNERS, PROVIDE (2) #5 X 4'-0" DIAGONAL BARS, AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (2) #5 BARS ALL FOUR SIDES AND DIAGONALLY; EXTEND THESE BARS A LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING OR HOOK BARS IF DISCONTINUOUS.

DOWEL ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO MATCH VERTICAL REINFORCING UNLESS OTHERWISE SHOWN.

SLABS ON GRADE: PREPARE SUBGRADE AS PER THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT. CHAIR WIRE FABRIC DURING CONCRETE PLACEMENT TO ENSURE PROPER POSITION IN SLAB. USE VAPOR BARRIER UNDER ALL ENCLOSED INTERIOR SPACES, PER ARCHITECTURAL DRAWINGS.

PLACE CRACK CONTROL JOINTS AS SHOWN ON PLAN OR AT 12 FEET MAXIMUM FOR 4" SLAB, OR 15 FEET MAXIMUM FOR 6" SLAB. JOINT SPACING SHALL NOT EXCEED A 1.5 TO 1 WIDTH TO LENGTH RATIO. CONTRACTOR SHALL SUBMIT A CONTROL JOINT LAYOUT FOR ENGINEER'S AND ARCHITECT'S REVIEW PRIOR TO CONCRETE PLACEMENT. LOCATE CONTROL JOINTS AT COLUMN LINES AND RE-ENTRANT CORNERS TYPICAL. PROVIDE (1) #5 X 4'-0" DIAGONAL BARS AT SLAB RE-ENTRANT CORNERS.

FOR 4" THICK SLABS ON GRADE, PROVIDE 6X6 W1.4XW1.4 WELDED WIRE FABRIC OR 1.5 POUNDS PER CUBIC YARD OF MICRO SYNTHETIC FIBERS (FRC MONO-180 OR EQUAL), UNLESS NOTED OTHERWISE. FOR 6" THICK SLABS ON GRADE, PROVIDE 6X6 W2.3XW2.3 WELDED WIRE FABRIC PLACED 2" BELOW TOP OF SLAB OR 3 POUNDS PER CUBIC YARD OF MACRO SYNTHETIC FIBERS (FORTA FERRO OR EQUAL), UNLESS NOTED OTHERWISE.

STANDARD ABBREVIATIONS

AB	ANCHOR BOLT	LL	LIVE LOAD
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
AFF	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
ALT	ALTERNATE	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
ARCH	ARCHITECT	L	ROOF LIVE LOAD
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	LSH	LONG SIDE HORIZONTAL
ASD	ALLOWABLE STRESS DESIGN	LSL	LONG SLOTTED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LSV	LONG SIDE VERTICAL
AWS	AMERICAN WELDING SOCIETY	LW	LIGHTWEIGHT
@	AT		
		MAX	MAXIMUM
BIDG	BUILDING	MECH	MECHANICAL
BULK	BLOCKING	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
BOT	BOTTOM	MEZZ	MEZZANINE
BP	BASE PLATE	MFR	MANUFACTURER
BRG	BRACING	MIN	MINIMUM
BTWN	BETWEEN	MISC	MISCELLANEOUS
CANT	CANTILEVER	NDS	NATIONAL DESIGN SPECIFICATION FOR
CG	CENTER OF GRAVITY	WOOD	WOOD
CIP	CAST IN PLACE	NOM	NOMINAL
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CL	CENTERLINE		
CLR	CLEAR, CLEARANCE	OC	ON CENTER
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	OWJ	OPEN WEB JOIST
CONN	CONNECTION		
CONT	CONTINUOUS	PCF	POUNDS PER CUBIC FOOT
CTR	CENTER	PCI	PRECAST CONCRETE INSTITUTE
		PL	PLATE
DEG	DEGREES	P	POUNDS PER LINEAR FOOT
DIA	DIAMETER	PLF	POUNDS PER LINEAR FOOT
DL	DEAD LOAD	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DTL	DETAIL	PT	PRESSURE TREATED, POST-TENSION
DWG	DRAWING		
DWL	DOWEL	REF	REFERENCE
		REINF	REINFORCEMENT
		REQD	REQUIRED
		REV	REVISION
(E)	EXISTING		
EA	EACH	SDI	STEEL DECK INSTITUTE
EF	EACH FACE	SF	SQUARE FOOT
EJ	EXPANSION JOINT	SG	SIMILAR
ELEV	ELEVATOR	SLM	SLAB ON GRADE
EQ	EQUAL	SPEC	SPECIFICATION
EW	EACH WAY	SS	STAINLESS STEEL
		SSL	SHORT SLOTTED
f _c	CONCRETE STRENGTH	STD	STANDARD
FBC	FLORIDA BUILDING CODE		
FIN	FINISH		
FND	FOUNDATION	T&B	TOP AND BOTTOM
FTG	FOOTING	TREF	TOP OF REFERENCE
Fy	YIELD STRENGTH OF STEEL	TYP	TYPICAL
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED		
GC	GENERAL CONTRACTOR	VERT	VERTICAL
HORIZ	HORIZONTAL	W/	WITH
		W/O	WITHOUT
K	KIPS	WWF	WELDED WIRE FABRIC
KLF	KIPS PER LINEAR FOOT		
KSF	KIPS PER SQUARE FOOT		
KSI	KIPS PER SQUARE INCH		

THRESHOLD INSPECTION PLAN

GENERAL:
THE SPECIAL INSPECTOR OF THRESHOLD BUILDINGS OR HIS DESIGNATED REPRESENTATIVE SHALL OBSERVE THAT THE STRUCTURAL PORTION OF THE WORK ARE EXECUTED IN SUBSTANTIAL ACCORDANCE WITH THE PERMITTED CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR SAFE ACCESS TO ALL PORTIONS OF THE STRUCTURE THAT NEED INSPECTIONS. A MINIMUM OF 24 HOURS' NOTICE SHALL BE GIVEN FOR ALL INSPECTIONS.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE CONTRACT DOCUMENTS, INCLUDING FABRICATION/ERECTION DRAWINGS, RFI RESPONSES, AND REVISIONS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE QUALITY CONTROL RESPONSIBILITY OF THE CONTRACTOR.

THE SPECIAL INSPECTOR IS TO PROVIDE SERVICES ONLY WITH REGARD TO THE STRUCTURE OF THE BUILDING INCLUDING FOUNDATION, PRIMARY AND SECONDARY FRAMING SYSTEMS, AND ALL ITEMS INCLUDED IN THE INSPECTION PLAN. THIS DOES NOT INCLUDE INSPECTION OF ANY SAFETY PROVISIONS NOR DOES IT APPLY TO ELEMENTS SUCH AS GLASS, METAL, OR WOODEN RAILINGS, FIRE PROTECTION, ROOFING MECHANICAL/ELECTRICAL SYSTEMS, ARCHITECTURAL COMPONENTS, SITE WORK OR OTHER ELEMENTS NOT CONTRIBUTING TO THE CAPACITY OF THE STRUCTURAL BUILDING FRAME.

IT IS NOT THE INTENT OF THIS THRESHOLD INSPECTION PLAN FOR THE SPECIAL INSPECTOR TO BE RESPONSIBLE FOR ANY MATERIAL TESTING, WELD TESTING OR SIZING OR BOLT TESTING FOR PROJECT STRUCTURAL MEMBERS AND/OR CONNECTIONS. ALL MATERIAL TESTING AND STRUCTURAL COMPONENT TESTING WILL BE COVERED UNDER SEPARATE CONTRACT WITH APPROPRIATE PARTIES.

SINCE THE SPECIAL INSPECTOR DOES NOT CERTIFY THAT THE CONTRACT DOCUMENTS ARE, IN THEMSELVES, IN COMPLIANCE WITH THE APPLICABLE BUILDING CODES ALL CERTIFICATIONS ISSUED WILL REFER TO COMPLETED WORK BEING IN SUBSTANTIAL ACCORDANCE WITH THE CONTRACT DOCUMENTS RATHER THAN THE APPROPRIATE BUILDING CODE.

STRUCTURAL THRESHOLD INSPECTIONS INCLUDE AND ARE LIMITED TO THE ITEMS IDENTIFIED IN THIS THRESHOLD PLAN.

FOUNDATION – FOOTINGS AND SLAB ON GRADE.
REVIEW PLACEMENT OF REINFORCEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

VERIFY COMPACTION REPORTS AND KEEP ON FILE.

CONCRETE
VERIFY CONSTRUCTION JOINT LOCATIONS.

VERIFY OPENINGS AGAINST CONTRACT DOCUMENTS.

REVIEW EMBEDDED ITEMS.

REVIEW REINFORCEMENT DOWELING AND EXPANSION/CHEMICAL ANCHORS

VERIFY CONTRACTOR HAS SHORING INSPECTION LETTER SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA FOR FORMWORK, SHORING AND RESHORING.

REINFORCING STEEL
VERIFY GRADE, SIZE, QUANTITY AND SPACING OF REINFORCING BARS FOR COMPLIANCE WITH CONTRACT DOCUMENTS AS WELL AS APPROVED SHOP DRAWINGS.

VERIFY MINIMUM CLEARANCE REQUIREMENTS FROM CONCRETE SURFACES.

VERIFY THAT REINFORCING IS ADEQUATELY SUPPORTED TO RESIST DISPLACEMENT OR SHIFTING DURING POUR.

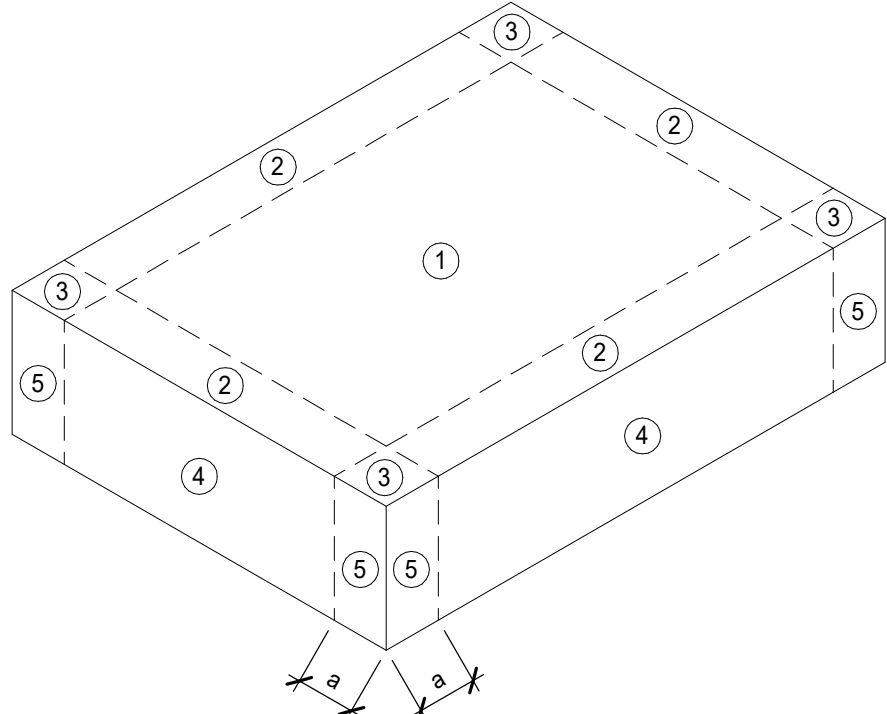
VERIFY THAT REBAR SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY.

VERIFY REBAR SPLICE LOCATIONS AND REQUIRED LENGTH OF LAP.

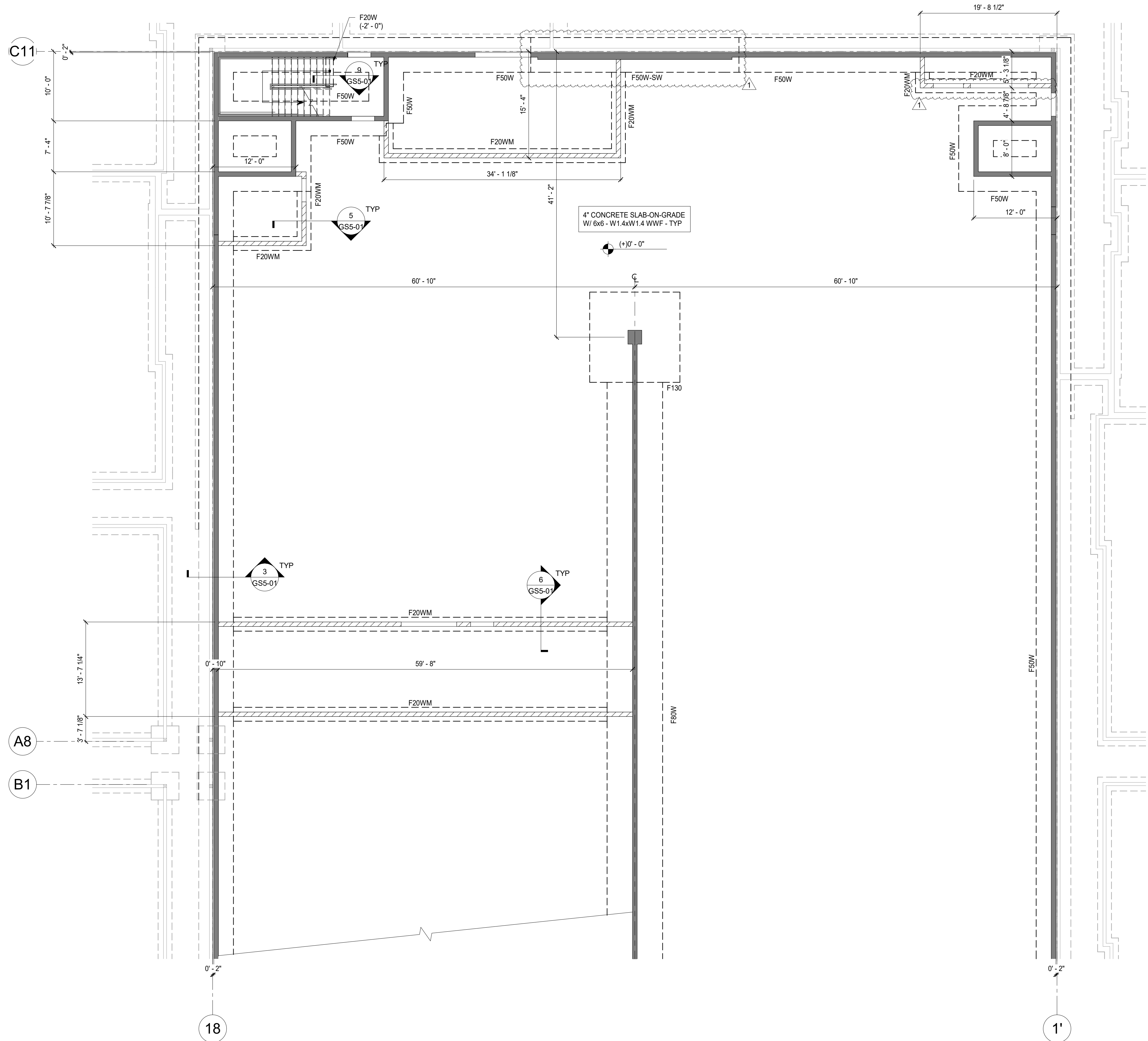
VERIFY THAT DEBRIS AND FOREIGN MATERIAL HAVE BEEN REMOVED BEFORE CONCRETE IS PLACED.

ALLOWABLE WIND PRESSURES (PSF)				
ZONE		TRIBUTARY AREA		
		10 SF	50 SF	100 SF
ROOF	INTERIOR 1	13/-20	11/-30	10/-30
	EDGE 2	13/-20	11/-41	10/-35
	CORNER 3	13/-20	11/-49	10/-35
	WALL 4	30/-20	27/-29	25/-28
PARAPET	INTERIOR 5	30/-20	27/-33	25/-31
	CORNER 5	+/-74	+/-58	+/-51
		+/-102	+/-66	+/-51

a = 18.0 ft



FLAT ROOF
Use for building height <60ft



GARAGE FOUNDATION PLAN - AREA A
SCALE: 1/8" = 1'-0"

- FOUNDATION PLAN NOTES:**
1. SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS, AND LOCATION IN FLOOR SLABS.
 2. SEE GEOTECHNICAL RECOMMENDATIONS FOR SUBGRADE COMPACTION, VAPOR BARRIER AND DRAINAGE REQUIREMENTS.
 3. DO NOT SCALE DRAWINGS. VERIFY/COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF DISCREPANCIES BEFORE PROCEEDING WITH WORK.
 4. FX INDICATES FOOTING TYPE, SEE SCHEDULE THIS SHEET.
 5. (X-X) INDICATES TOP OF FOOTING ELEVATION (-2'-0" UNO).
 6. INDICATES PRECAST CONCRETE WALL OR COLUMN, DESIGNED BY OTHER.
 - 7.
 - 8.
 9. VERIFY/COORDINATE LOCATION OF UNDERGROUND PIPING WITH FOUNDATION.
 10. VERIFY/COORDINATE EDGE OF SLAB DETAILS AT EXTERIOR DOORS WITH ARCHITECTURAL DRAWINGS.
 11. VERIFY/COORDINATE SILL HEIGHTS AND DETAILS OF WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
 12. INDICATES SLOPE IN SLAB.

Seal

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Issues:	Date:	By:
BUILDING PERMIT	02-26-20	SMD
CONSTRUCTION ISSUE	04-14-20	SMD

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Drawing Title
GARAGE FOUNDATION AREA A

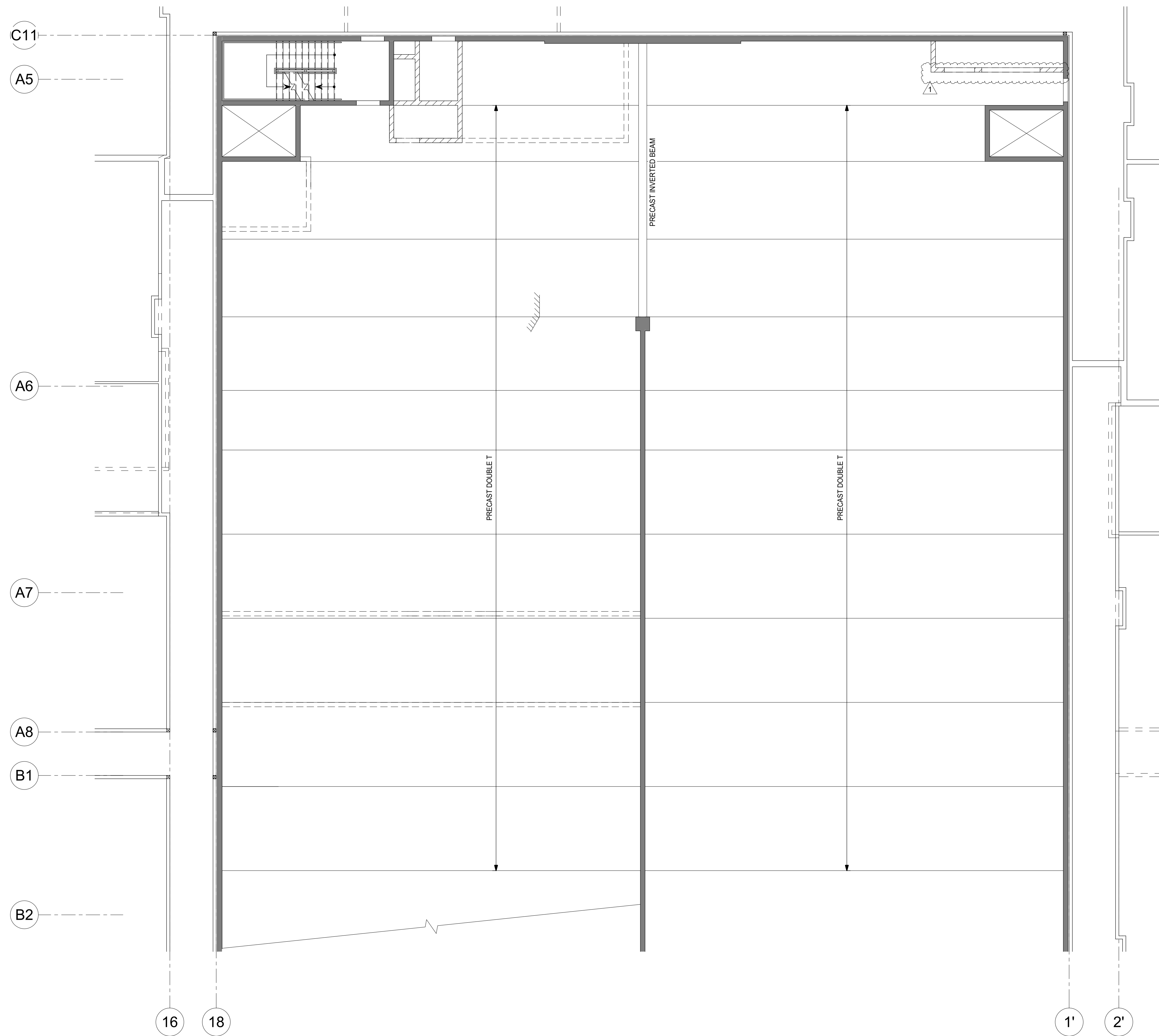
WALL FOUNDATION SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCEMENT	COMMENTS
F20WM	2'-0"	1'-0"	(3) #5 CONT BOT	F20WM AND F20W SAME SIZE AND REINFORCING
F50W	5'-0"	1'-6"	(6) #5 CONT BOT	
F50W-SW	5'-0"	3'-0"	(6) #5 CONT BOT	
F80W	8'-0"	2'-2"	(9) #7 CONT BOT	

PAD FOUNDATION SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	COMMENTS
F40	4'-0"	4'-0"	2'-0"	(7) #5 EW T&B	-
F110	11'-0"	11'-0"	3'-0"	(12) #8 EW BOT	
F130	13'-0"	13'-0"	3'-4"	(15) #8 EW BOT	

Date:	04-14-2020	Project:	19-070
Drawn by:	CB	Drawing Number:	GS1-10
Checked by:	CS		
Approved:	RP		
File Name:			



PAD FOUNDATION SCHEDULE						
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	COMMENTS	
F40	4' - 0"	4' - 0"	2' - 0"	(7) #5 EW T&B	-	
F110	11' - 0"	11' - 0"	3' - 0"	(12) #5 EW BOT	-	
F130	13' - 0"	13' - 0"	3' - 4"	(15) #5 EW BOT	-	



GARAGE 2ND FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

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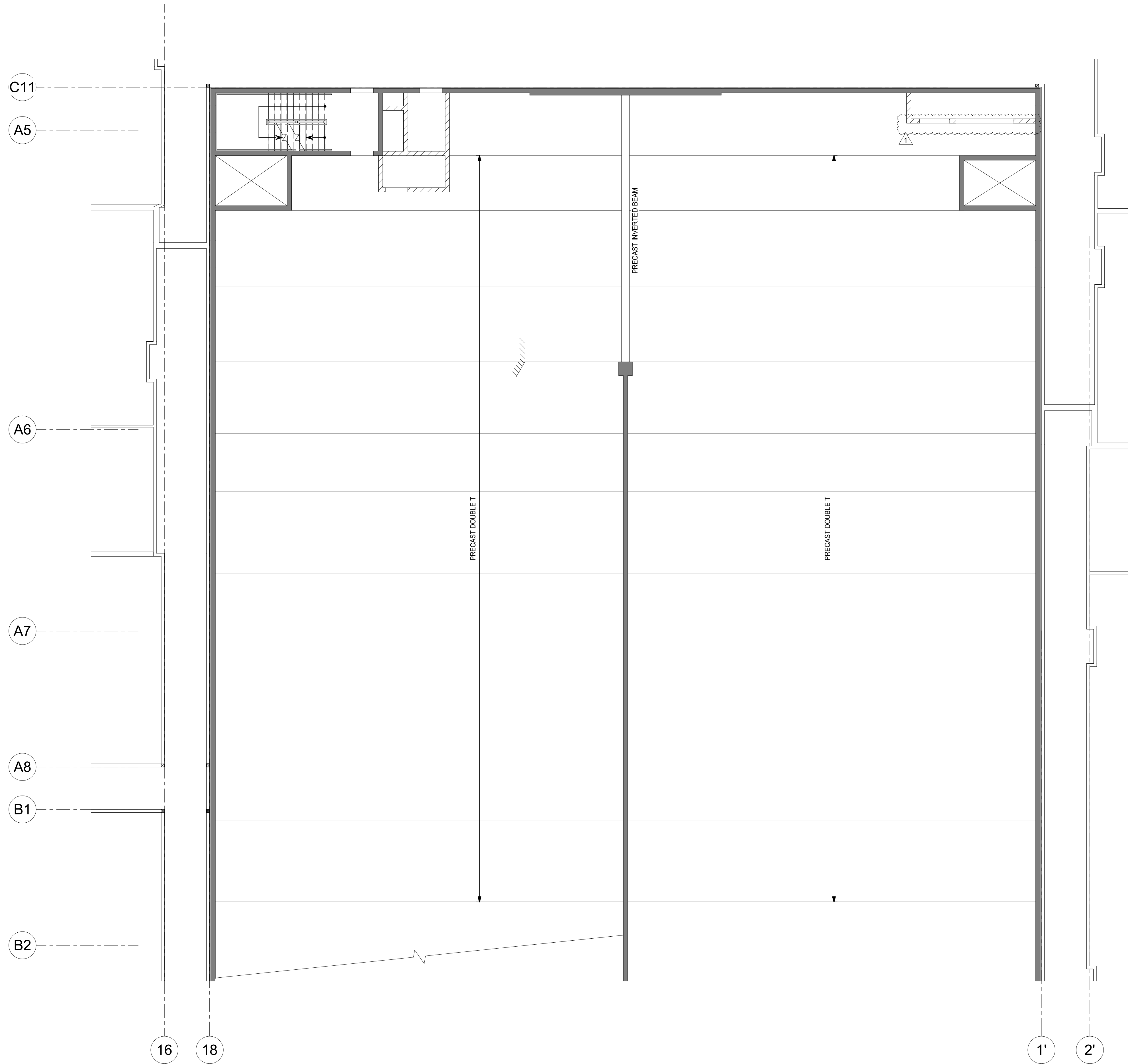
Drawing Title

GARAGE 2ND FLOOR PLAN AREA A

Date: 04-14-2020	Project: 19-070
Drawn by: CB	Drawing Number: GS1-20
Checked by: CS	
Approved: RP	



<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 14-2020 </div>	Project 19-070
Drawn by Checked by Approved Name:	Drawing Number <div style="font-size: 2em; font-weight: bold;">GS1-21</div>



GARAGE 3RD FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

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Drawing Title

GARAGE 3RD FLOOR PLAN AREA A

Date: 04-14-2020	Project: 19-070
Drawn by: CB	Drawing Number: GS1-22
Checked by: CS	
Approved: RP	

File Name:



<div> <div> <div>14-2020</div> <div>Project</div> <div>19-070</div> </div> <div> <div>Drawn by</div> <div>Drawing Number</div> <div>GS1-23</div> </div> </div>	<div> <div> <div>Drawn by</div> <div>Checked by</div> <div>Approved</div> </div> <div> <div>Name:</div> </div> </div>
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GARAGE 4TH FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

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Drawing Title

GARAGE 4TH FLOOR PLAN AREA A

Date: 04-14-2020	Project: 19-070
Drawn by: CB	Drawing Number: GS1-24
Checked by: CS	
Approved: RP	

File Name:



RF	
Edo. Manteo	



GARAGE 5TH FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

Seal

SELECT STRUCTURAL
12573 New Brittany Blvd
Fort Myers, Florida 33907
Phone: (239) 210-5090
info@selectstructural.com
Certification Auth. 28357

Issues:	Date:	By:
BUILDING PERMIT	02-26-20	SMD
CONSTRUCTION ISSUE	04-14-20	SMD

DIMIT ARCHITECTS
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14414 Detroit Ave., #306
Lakewood, Ohio 44107
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EDWARDS COMMUNITIES

SILVER HILLS
Division of Commercial Real Estate
14th Mendicino, Principal
New York, NY 10017
2000 Park Ave. Suite 1000, New York, NY 10017

SILVER HILLS AT UNIVERSAL

Phase One - Parking Garage
5885 Lakehurst Drive
Orlando, Florida 32819

Drawing Title
GARAGE 5TH FLOOR PLAN AREA A

Date: 04-14-2020	Project: 19-070
Drawn by: CB	Drawing Number: GS1-26
Checked by: CS	
Approved: RP	



CONCRETE BEAM SCHEDULE							
MARK	WIDTH	DEPTH	REINFORCEMENT			STIRRUPS	COMMENTS
			TOP	MID	BOT		
TB1	8"	1' - 4"	(2) #5	-	(2) #5	#3 @ 48" OC	-

File Name:

