

Legend

- CCCL
- CSBL
- GP Line
- Erosion Control Line



R-082

R-083

ST-2141

Project Site

0 100 200 300

Feet

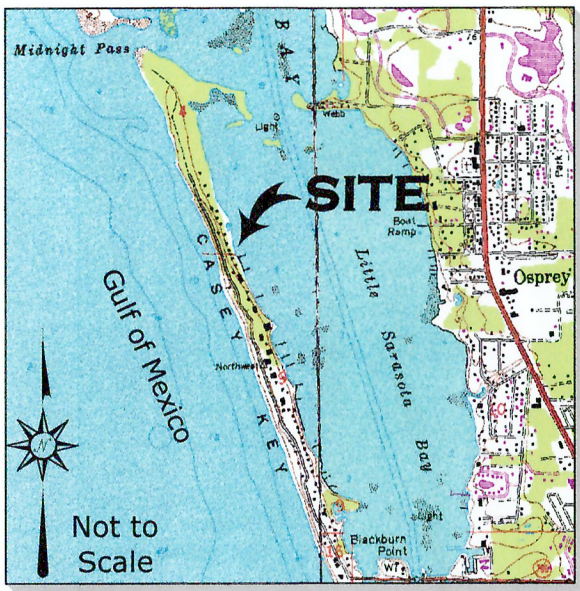
SCALE

Date of aerial photo: 2/8/2017

Rolando Gomez

Print Date: 5/23/2018

SITE MAP



DETAIL OF COASTAL CONSTRUCTION CONTROL LINE TRAVERSE

North American Datum of 1983, Florida West Zone, U.S. Survey Feet

17-84-B09E Latitude: N 27°10'52.4341" Longitude: W 82°29'56.4057" N: 1035373.91 E: 493942.06
17-84-B08 Latitude: N 27°11'41.0907" Longitude: W 82°30'17.6433" N: 1040294.89 E: 492043.95
17-84-B07 Latitude: N 27°12'22.4059" Longitude: W 82°30'35.2376" N: 1044473.30 E: 490472.23

Trimble Controller TSC2 Version 12.00 was used

Error:

Base @ 17-84-B09E
Difference from published value of 13-84-B08
S: 0.03'
E: 0.05'

No new stations established

DESCRIPTION: (OFFICIAL RECORDS INSTRUMENT #2016055352)

LOT 3, SHUMARD ESTATE, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 3, PAGE 16, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA, LESS THE FOLLOWING:

A PORTION OF LOT 3, ACCORDING TO THE PLAT OF SHUMARD ESTATE, AS RECORDED IN PLAT BOOK 3, PAGE 16, OF THE PUBLIC RECORDS OF SARASOTA COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT AN IRON PIPE ON THE COMMON LINE BETWEEN LOT 3 AND LOT 4, OF THE SAID PLAT OF SHUMARD ESTATE, SAID POINT BEING 33.00 FEET PLUS OR MINUS, WESTERLY OF THE APPROXIMATE MEAN HIGH WATER LINE OF LITTLE SARASOTA BAY FOR THE POINT OF BEGINNING; THENCE ALONG THE NORTHERLY LINE OF SAID LOT 3, NORTH 79°38'09" EAST, (ON AN ASSUMED BEARING) 33.0 FEET, MORE OR LESS TO THE APPROXIMATE MEAN HIGH WATER LINE OF LITTLE SARASOTA BAY; THENCE SOUTH 79°00'13" WEST, 392.95 FEET, MORE OR LESS, TO THE APPROXIMATE MEAN HIGH WATER LINE OF THE GULF OF MEXICO; THENCE ALONG THE APPROXIMATE MEAN HIGH WATER LINE OF THE GULF OF MEXICO NORTH 16°09'47" WEST, 4.52 FEET, MORE OR LESS, TO THE INTERSECTION WITH THE NORTHERLY LINE OF SAID LOT 3; THENCE ALONG THE NORTHERLY LINE OF SAID LOT 3, FOR THE NEXT TWO (2) CALLS: NORTH 79°41'35" EAST, 121.00 FEET TO AN IRON PIPE; THENCE CONTINUE NORTH 79°41'35" EAST, 39.45 FEET TO AN IRON PIPE; THENCE NORTH 79°38'09" EAST, 199.93 FEET TO THE POINT OF BEGINNING.

BOUNDARY, TOPOGRAPHIC & TIDAL WATER BOUNDARY SURVEY

Part of Lot 3, SHUMARD ESTATE

Section 4, Township 38 South, Range 18 East,

Sarasota County, Florida

Address: 1120 North Casey Key Road

Owner: 1120 N Casey Key LLC



SCALE:
1"=30'

REPORT OF SURVEY

Accuracy

Horizontal: The accuracy obtained by measurement and calculation of a closed geometric figure was found to be 1 foot in 20,000 feet.

Vertical: Field-measured control for vertical data shown hereon is based on a level loop. Closure in feet exceeds a standard of plus or minus 0.05 times the square root of the distance in miles.

Data Sources:

1. Plat of SHUMARD ESTATE, recorded in Plat Book 3, Page 16, Public Records of Sarasota County, Florida.
2. A Boundary Survey by Robinson Land Surveying, Inc., Job No.: 2000-3932, Dated: July 26, 2000.
3. A boundary survey by MSB Surveying, Inc., Job No.: 0612048, Dated: April 29, 2016.
4. Warranty Deed recorded in Official Records Instrument #2016055352, Public Records of Sarasota County, Florida.
5. Quit-Claim Deed recorded in Official Records Instrument #2006000297, Public Records of Sarasota County, Florida.
6. A 2014 aerial imagery obtained from Sarasota County Geographic Information System.
7. Boundary Agreement recorded in Official Records Book 2185, Page 0178, Public Records of Sarasota County, Florida.
8. A hydrographic survey by MSB Surveying, Inc., Job No.: 011002, Dated: October 18, 2001.
9. Commitment for Title Insurance by Old Republic National Title Insurance Company.
10. Easement to General Telephone Company of Florida recorded in Official Records Book 1233, Page 918, Public Records of Sarasota County, Florida.
11. Coastal Construction Control Line Maps recorded in CCCL Book 1, Page 9, and CCCL Book 2, Page 9, Dated January 26, 1989, Public Records of Sarasota County, Florida.
12. Trustees of the Internal Improvement Trust Fund, Deed Number 20569.
13. No other information was researched or furnished.

Apparent Physical Use:

Residential

Easements:

1. No easements were researched or furnished.

NOTES:

1. This map represents a Boundary, Topographic & Tidal Water Boundary Survey.
2. Bearings shown hereon refer to Grid North of the North American Datum of 1983, Florida State Plane Coordinate System (US Survey Feet), Florida West Zone, based on coordinates of Coastal Construction Control Line Monument B 09 E, Northing: 1035209.880, Easting: 337713.208 (NAD 1927) converted by CORPSCON to Northing: 1035373.908, Easting: 493942.060 (NAD 1983, 1986 Adjustment).
3. There may exist other underground fixed interior improvements that are not visible and are not a part of this survey.
4. Description shown hereon was obtained from Official Records Instrument #2016055352.
5. Subject to easements and rights of way of record, if any.
6. This map has been prepared with the benefit of a Commitment for Title Insurance by Old Republic National Title Insurance Company, FILE NO.: 16023075, Effective Date: March 8, 2016 at 8:00 am. Revised Date: April 28, 2016, 2:05 pm.
7. Tidal Data 1983-2001 Epoch (Point Identification Number: 343).
8. Bay side: Mean High Water Elevation = 0.12 feet (NAVD 88) extended to site.
9. Tidal Data 1983-2001 Epoch (Point Identification Number: 100157).
10. Gulf side: Mean High Water Elevation = 0.31 feet (NAVD 88) extended to site.
11. Elevations shown hereon are in feet and decimals referenced to NAVD 88 and are based National Geodetic Survey Bench Mark # 157 I, published elevation is 5.38' (NAVD 88).
12. Parcel shown hereon is situated in Flood Zone "VE", base flood elevation is 16 feet and Flood Zone "AE", base flood elevation is 10 feet, per Flood Insurance Rate Map Number 12115C0209F, Effective Date November 4, 2016, flood zones are scaled from said map and are subject to interpretation.
13. Conventional radial surveying methods were used to establish the horizontal position of the mean high water line.
14. The mean high water line depicted hereon complies with Chapter 177, Part II, Florida Statutes and is recorded in the public repository of the Florida Department of Environmental Protection, Bureau of Surveying and Mapping as Mean High Water Line Survey File "6754".

LEGEND

- - Denotes Electric Transformer
- ⬢ - Denotes Electric Hand Hole
- Ⓣ - Denotes Telephone Riser
- ⬢ - Denotes Water Backflow Preventer
- Ⓜ - Denotes Mailbox
- (F) - Denotes Field Measurements
- (D) - Denotes Deed Information
- (P) - Denotes Plat Data
- (M) - Denotes Coastal Construction Control Line Map Information
- Ⓣ - Denotes Telephone Riser
- ⬢ - Denotes Bollard
- Ⓜ - Denotes Propane Tank
- Ⓣ - Denotes Australian Pine Tree & Size
- Ⓣ - Denotes Cedar Tree & Size
- Ⓣ - Denotes Fig Tree & Size
- Ⓣ - Denotes Norfolk Pine Tree & Size
- Ⓣ - Denotes Oak Tree & Size
- Ⓣ - Denotes Unknown Tree & Size
- Ⓣ - Denotes palm Tree
- Ⓣ - Denotes Spot Elevation
- 8.5 — - Denotes Contour Line & Elevation

RECEIVED
MAY 01 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

CERTIFIED TO:
Brian S. Klugh & Deborah M. Klugh
1120 N Casey Key, LLC

DATE OF SURVEY February 20, 2018

FIELD BOOK: 75

NOTE: NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL BASED ON ELECTRONIC SIGNATURE OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

MARTIN S. BRIT, REGISTERED SURVEYOR & MAPPER, FLA. CERT. NO. 13, 35-58

MSB SURVEYING, INC. GEOMATICS

31 SARASOTA CENTER BOULEVARD, SUITE C
SARASOTA, FLORIDA 34240
PHONE NO.: (941) 341-9935
CERTIFICATE OF AUTHORIZATION NO. LB. 7044
DRAWN BY: REG

06120481
JOB NUMBER

ST-2141

F 2 SHEETS



COVIELLO
associates

CUSTOM RESIDENTIAL DESIGN
AND COMMERCIAL DRAFTING



APEX
Consulting Engineers PL

DEREK W NEWCOMER, PE #69010
4315 53rd Ave E., BRADENTON FL 34203
TEL: (941) 365-1900 FAX (888) 365-4041
DEREK@APEXENGINEER.COM

Date: 4/27/2018[illegible]

Debbie
& Bryan
Klugh

1120 North Casey Key Road
Osprey, Florida 34229

Dwn By DRW	Chkd By JM	SHEET
DATE 4/27/2018		E1
SCALE VARIES		
		OF - SHEETS

[illegible]

SYMBOL	FIXTURE	QUANT.	BULB LUMENS AND TYPE	TYPE OF MOUNT	MOUNT HEIGHT
(A)	PROGRESS LIGHT P5713 INCANDESCENT	8	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	WALL MOUNT	6'-0" A.F.F.
(B)	ALL-PRO E1700R RECESSED LIGHT	0	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	CEILING MOUNT	8'-0" A.F.F.
(C)	ALL-PRO E1700R RECESSED LIGHT	9	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	CEILING MOUNT	9'-4" A.F.F.

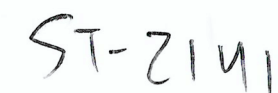
 WALL MOUNT SWITCH
 WALL MOUNT THREE WAY SWITCH
 WALL MOUNT DIMMER SWITCH
 WALL MOUNT WATERPROOF SWITCH
 WALL MOUNT TIMER SWITCH
 WALL MOUNT DOOR BELL PUSH BUTTON
 WALL MOUNT 110V DUPLEX OUTLET
 HALF OF DUPLEX OUTLET
 WALL MOUNT 110V WEATHERPROOF DUPLEX
 WALL MOUNT 110V SINGLE OUTLET
 FLOOR MOUNT FLUSH 110V DUPLEX OUTLET
 CEILING MOUNT 110C DUPLEX OUTLET
 WALL MOUNT 220V SINGLE OUTLET
 CEILING MOUNT INCANDESCENT FIXTURE
 CEILING MOUNT RECESSED FIXTURE
 CEILING MOUNT RECESSED VAPOR PROOF
 CEILING MOUNT CHANDELIER/HANGING TYPE
 WALL MOUNT FIXTURE
 WALL MOUNT EXTERIOR FIXTURE
 BULB AND SOCKET ON PULL CHAIN IN ATTIC
 WALL MOUNT FLOOD LIGHT
 CEILING MOUNT FLUORESCENT FIXTURE
 CEILING MOUNT EXHAUST FAN
 CEILING FAN ROUGH-IN
 CEILING MOUNT SMOKE DETECTOR
 WALL MOUNT DOORBELL CHIME
 WALL PHONE JACK
 WALL MOUNT T.V. JACK
 WALL MOUNT AMP ELECTRICAL PANEL
 WALL MOUNT TRACK LIGHTING
 WALL MOUNT THERMOSTAT
 INTERCOM
 WALL MOUNT SPEAKER
 CEILING MOUNT SPEAKER

RECEIVED
MAY 01 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

ST-2141

Date: 4/27/2018

SCALE
VARIES





Consulting Engineers PL
DEREK W NEWCOMER, PE #69010
4315 53rd Ave E., BRADENTON FL 34203
TEL: (941) 365-1900 FAX (888) 365-4041
DEREK@APEXENGINEER.COM

Cert. of Auth. #28488

Seal

Date: 4/27/2018

Revisions

[illegible][illegible]

Debbie
& Bryan
Klugh

RECEIVED
MAY 01 2018
DIVISION OF WATER
RESOURCE MANAGEMENT

Location	
----------	--

1120 North Casey Key Road
Osprey, Florida 34229

Job Number

Page	Description
1	...
2	...
3	...
4	...
5	...
6	...
7	...
8	...
9	...
10	...
11	...
12	...
13	...
14	...
15	...
16	...
17	...
18	...
19	...
20	...
21	...
22	...
23	...
24	...
25	...
26	...
27	...
28	...
29	...
30	...
31	...
32	...
33	...
34	...
35	...
36	...
37	...
38	...
39	...
40	...
41	...
42	...
43	...
44	...
45	...
46	...
47	...
48	...
49	...
50	...
51	...
52	...
53	...
54	...
55	...
56	...
57	...
58	...
59	...
60	...
61	...
62	...
63	...
64	...
65	...
66	...
67	...
68	...
69	...
70	...
71	...
72	...
73	...
74	...
75	...
76	...
77	...
78	...
79	...
80	...
81	...
82	...
83	...
84	...
85	...
86	...
87	...
88	...
89	...
90	...
91	...
92	...
93	...
94	...
95	...
96	...
97	...
98	...
99	...
100	...

Site Plan

Dwn	
-----	--

By
DRW

DATE _____

4/27/20

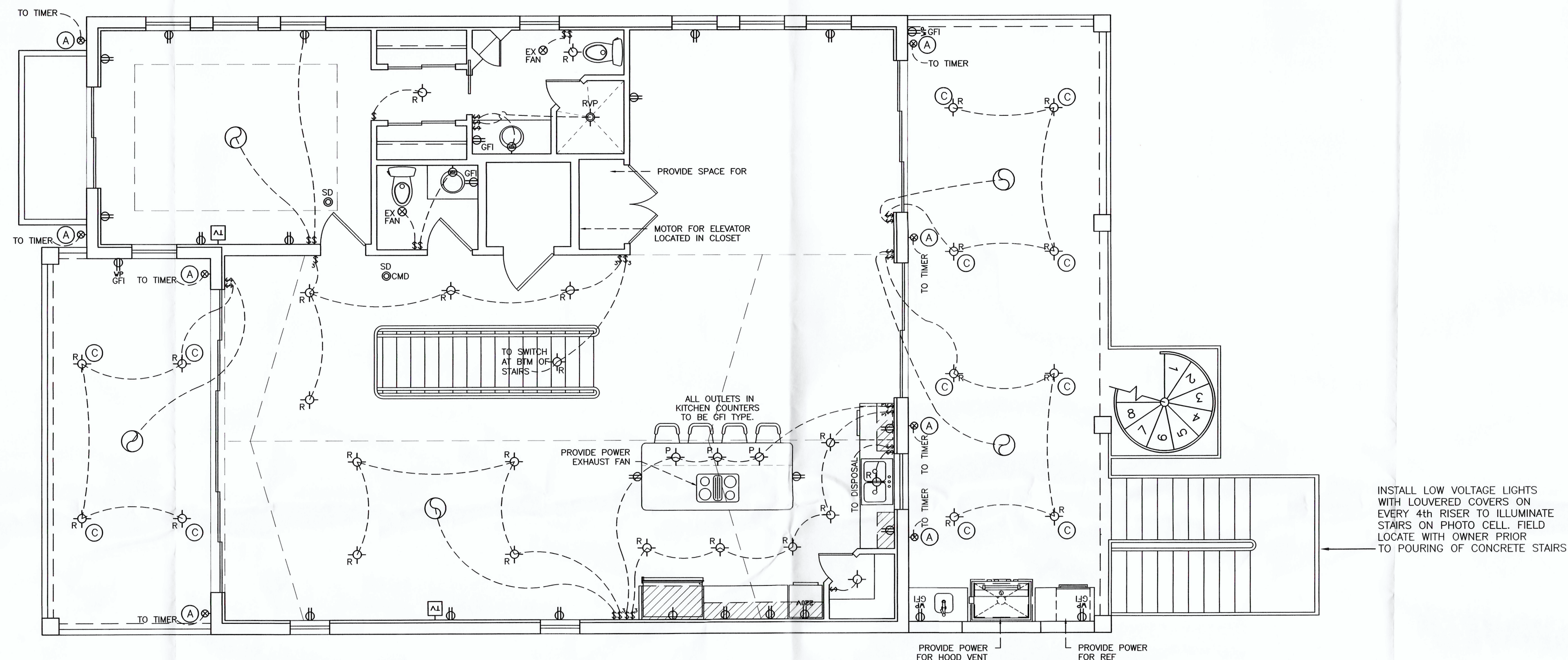
SHEET

५०

F3

ED

—



EXTERIOR LIGHTING SCHEDULE

EXTERIOR LIGHTS SHALL
BE 40 WATTS OR LESS
"BUG" TYPE BULBS

SYMBOL	FIXTURE	QUANT.	BULB LUMENS AND TYPE	TYPE OF MOUNT	MOUNT HEIGHT
(A)	PROGRESS LIGHT P5713 INCANDESCENT	8	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	WALL MOUNT	6'-0" A.F.F.
(B)	PROGRESS LIGHT P5713 INCANDESCENT	0	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	CEILING MOUNT	4'-0" A.F.F.
(C)	ALL-PRO EI700R RECESSED LIGHT	12	420 LUMENS OUTPUT STANDARD INCANDESCENT YELLOW "BUG BULB"	CEILING MOUNT	9'-4" A.F.F.

ELECTRICAL NOTES:

- 1) ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, LATEST EDITION, BE A FLORIDA LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE TO COMPLY WITH ALL CODES LOCAL, COUNTY, STATE HAVING JURISDICTION.
- 2) ALL WIRE SHALL BE COPPER. NO ALUMINUM WIRE ALLOWED.
- 3) ALL WIRE SIZES SHALL BE IN ACCORDANCE TO APPLICABLE CODES.
- 4) ALL DEVICES, EQUIPMENT AND FIXTURES ETC. SHALL HAVE APPROVAL STAMP OR STICKER BY U.L.
- 5) THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DEVICES & EQUIPMENT WITH THE OWNERS
- 6) ELECTRICAL CONTRACTOR AND SUPPLIER SHALL VERIFY ALL CONDITIONS AT THE SITE PRIOR TO STARTING ANY WORK.
- 7) ALL SLEEPING AREAS MUST HAVE ARC—FAULT PROTECTION.
- 8) PROVIDE HARD WIRED AND INTERCONNECTED SMOKE DETECTORS INSIDE & OUTSIDE OF ALL BEDROOMS. SEE PLAN FOR LOCATIONS
- 9) ELECTRICAL INSTALLATION REQUIRED AS PER N.E.C. 2008
- 10) INSTALL CARBON MONOXIDE DETECTING DEVICES 10'—0" MAXIMUM FROM ALL BEDROOMS MUST BE HARD WIRED AND INTERCONNECTED
- 11) ALL OUTDOOR RECEPTACLES AND ANY WITH IN 6'—0" FROM THE EDGE OF ALL SINKS TO BE GFCI
- 12) PROVIDE AFCI PROTECTION WITH TAMPER PROOF RECEPTACLES IN ALL MAIN LIVING AREAS THROUGH OUT THE HOUSE WHEN GFI IS NOT REQUIRED
- 13) ALL 15 & 20 AMP RECEPTACLES IN MAIN LIVING AREAS TO BE TAMPER—RESISTANT
- 14) ALL EXTERIOR LIGHTING AND FANS ARE TO BE LISTED FOR EXTERIOR USE.

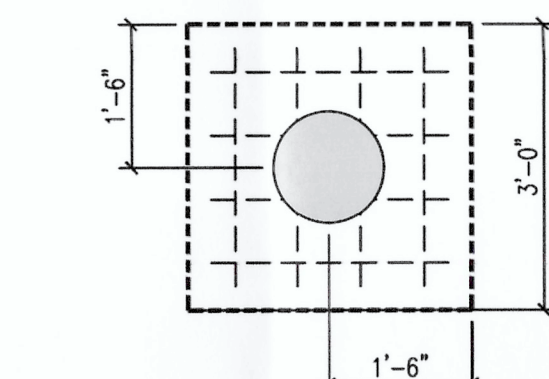
ELECTRICAL LEGEND

-  WALL MOUNT SWITCH
 WALL MOUNT THREE WAY SWITCH
 WALL MOUNT DIMMER SWITCH
 WALL MOUNT WATERPROOF SWITCH
 WALL MOUNT TIMER SWITCH
 WALL MOUNT DOOR BELL PUSH BUTTON
 WALL MOUNT 110V DUPLEX OUTLET
 HALF OF DUPLEX OUTLET
 WALL MOUNT 110V WEATHERPROOF DUPLEX
 WALL MOUNT 110V SINGLE OUTLET
 FLOOR MOUNT FLUSH 110V DUPLEX OUTLET
 CEILING MOUNT 110C DUPLEX OUTLET
 WALL MOUNT 220V SINGLE OUTLET
 CEILING MOUNT INCANDESCENT FIXTURE
 CEILING MOUNT RECESSED FIXTURE
 CEILING MOUNT RECESSED VAPOR PROOF
 CEILING MOUNT CHANDELIER/HANGING TYPE
 WALL MOUNT FIXTURE
 WALL MOUNT EXTERIOR FIXTURE
 BULB AND SOCKET ON PULL CHAIN IN ATTIC
 WALL MOUNT FLOOD LIGHT
 CEILING MOUNT FLUORESCENT FIXTURE
 CEILING MOUNT EXHAUST FAN
 CEILING FAN ROUGH-IN
 CEILING MOUNT SMOKE DETECTOR
 WALL MOUNT DOORBELL CHIME
 WALL PHONE JACK
 WALL MOUNT T.V. JACK
 WALL MOUNT AMP ELECTRICAL PANEL
 WALL MOUNT TRACK LIGHTING
 WALL MOUNT THERMOSTAT
 WALL MOUNT INTERCOM
 WALL MOUNT SPEAKER
 CEILING MOUNT SPEAKER

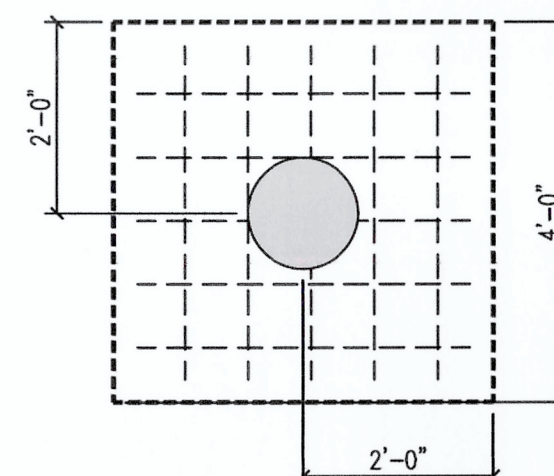
Upper Floor Electric

$$1/4'' = 1'-0''$$

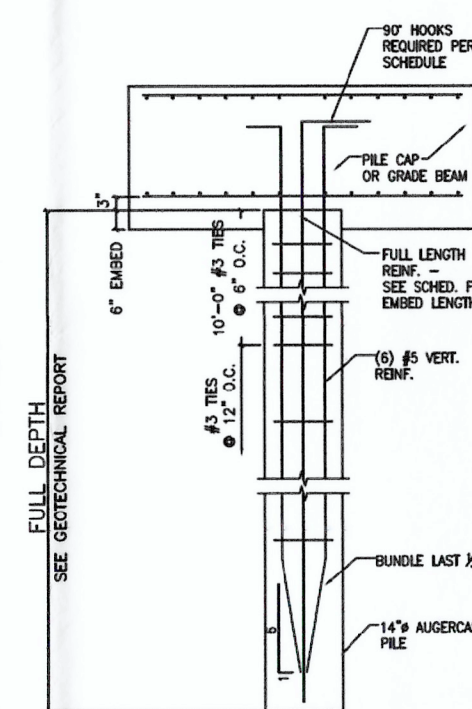
S1.1



PC3 PILE CAP DETAIL
SCALE: 1/2" = 1'-0"



PC4 PILE CAP DETAIL
SCALE: 1/2" = 1'-0"



1 TYPICAL PILE DETAIL
SCALE: NTS

AUGER CAST PILES:

FOUNDATION DESIGN IS BASED ON 14" DIAMETER PILES X (XXXXX FT) AS RECOMMENDED BY
XXXXXXXXXXXXXXXXXXXXXXXXXXXX, INC. IN SOILS EXPLORATION REPORT #XXXXX DATED
XXXXXXXXXXXXXXXXXXXX. SEE SOILS EXPLORATION REPORT FOR ADDITIONAL SPECIFICATIONS, MOST
STRINGENT SPECIFICATIONS SHALL GOVERN.

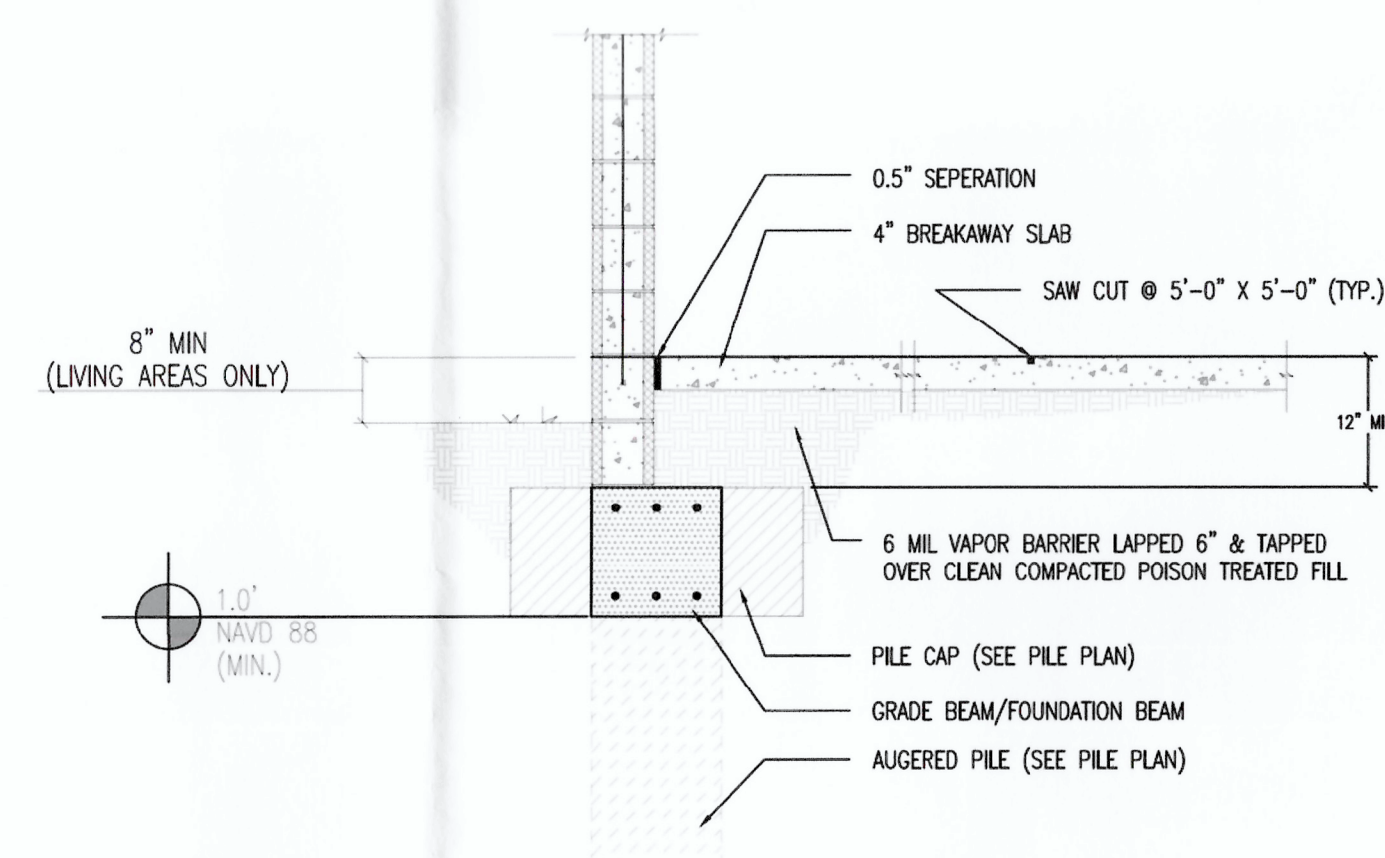
PILE MORTAR SHALL CONSIST OF PORTLAND CEMENT MORTAR CONFORMING TO FEDERAL SPECIFICATIONS SS-C192 OR CURRENT ASTM STANDARDS C150 AND HAVE A COMPRESSIVE STRENGTH OF 5,000 psi AT 28 DAYS.

THE MORTAR MIX SHALL BE TESTED ACCORDING TO ASTM C109. AT LEAST ONE SET (SIX PER SET) OF 3 INCH BY 6 INCH DEEP GROUT CYLINDERS SHOULD BE MADE FOR EACH DAY OF PILE INSTALLATION OR FOR EVERY 50 CUBIC YARDS OF GROUT FOR LABORATORY DETERMINATION OF GROUT STRENGTH AT 7 DAYS, AND AT 28 DAYS. TEST CYLINDERS SHALL BE TESTED IN ACCORDANCE WITH ASTM C109, WITH THE EXCEPTION THAT THE MORTAR SHOULD BE RESTRAINED FROM EXPANSION BY A TOP PLATE.

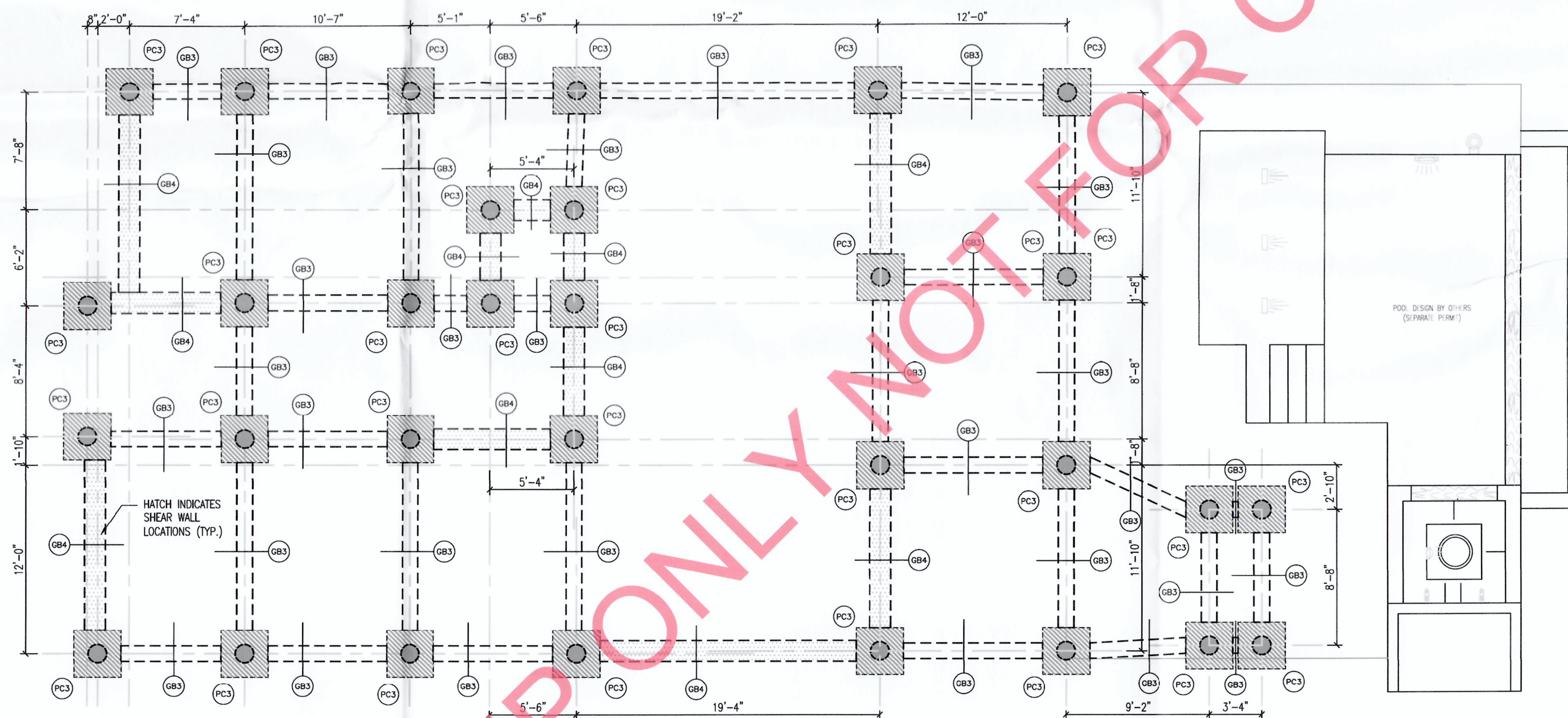
WHERE IN CLUSTERS OF TWO OR MORE, PILES SHALL BE INSTALLED WITHIN 3 INCHES OF DESIGN LOCATION. SINGLE PILES SHALL BE INSTALLED WITHIN 1-1/2 INCHES OF DESIGN LOCATION. VARIATION FROM PLUMB SHALL NOT EXCEED 1/2 INCH IN TWO FEET. INSTALLATION OF ADJACENT PILES, LOCATED WITHIN SIX (6) PILE DIAMETERS OF EACH OTHER, CENTER TO CENTER, ON THE SAME WORKING DATE, IS NOT PERMITTED, UNLESS THE CONTRACTOR CAN DEMONSTRATE THAT THE GROUT OF THE ADJACENT PILE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT THE TIME OF THE ADJACENT PILE INSTALLATION.

AS-BUILT SURVEY OF PILE LOCATIONS SHALL BE PERFORMED BY A FLORIDA REGISTERED LAND SURVEYOR. PILES SHALL BE LOCATED ON THE AS-BUILT DRAWINGS HORIZONTALLY AND VERTICALLY FROM THE COLUMN CENTERLINES. SUBMIT THE AS-BUILT DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL.

FOR PILE TESTING RECOMMENDATIONS AND FREQUENCY REFER TO SOILS EXPLORATION REPORT BY GEOTECHNICAL ENGINEER. THE TEST PILE IS TO BE LOADED TO TWICE THE DESIGN LOAD IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. VERIFICATION THAT THE LOAD TEST REQUIREMENTS HAVE BEEN MET SHALL BE MADE BY AN INDEPENDENT GEOTECHNICAL CONSULTANT EMPLOYED BY THE OWNER AND APPROVED BY THE ENGINEER.



FOOTER DETAIL
SCALE: NOT TO SCALE

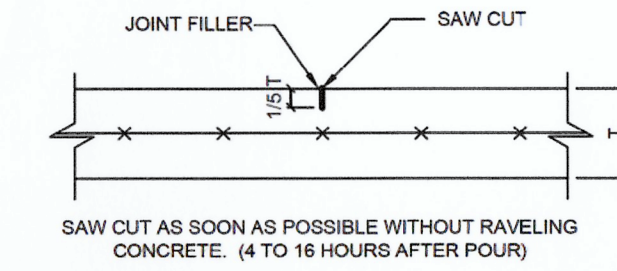
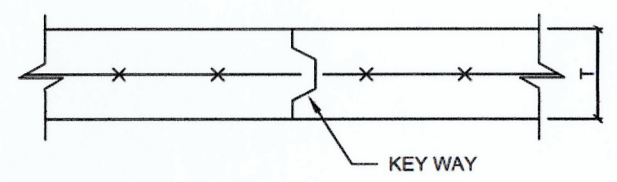
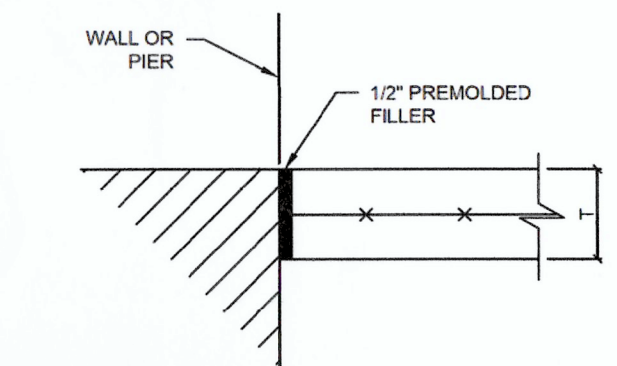


PILE PLAN
SCALE: 3/16" = 1'-0"

GRADE BEAM SCHEDULE

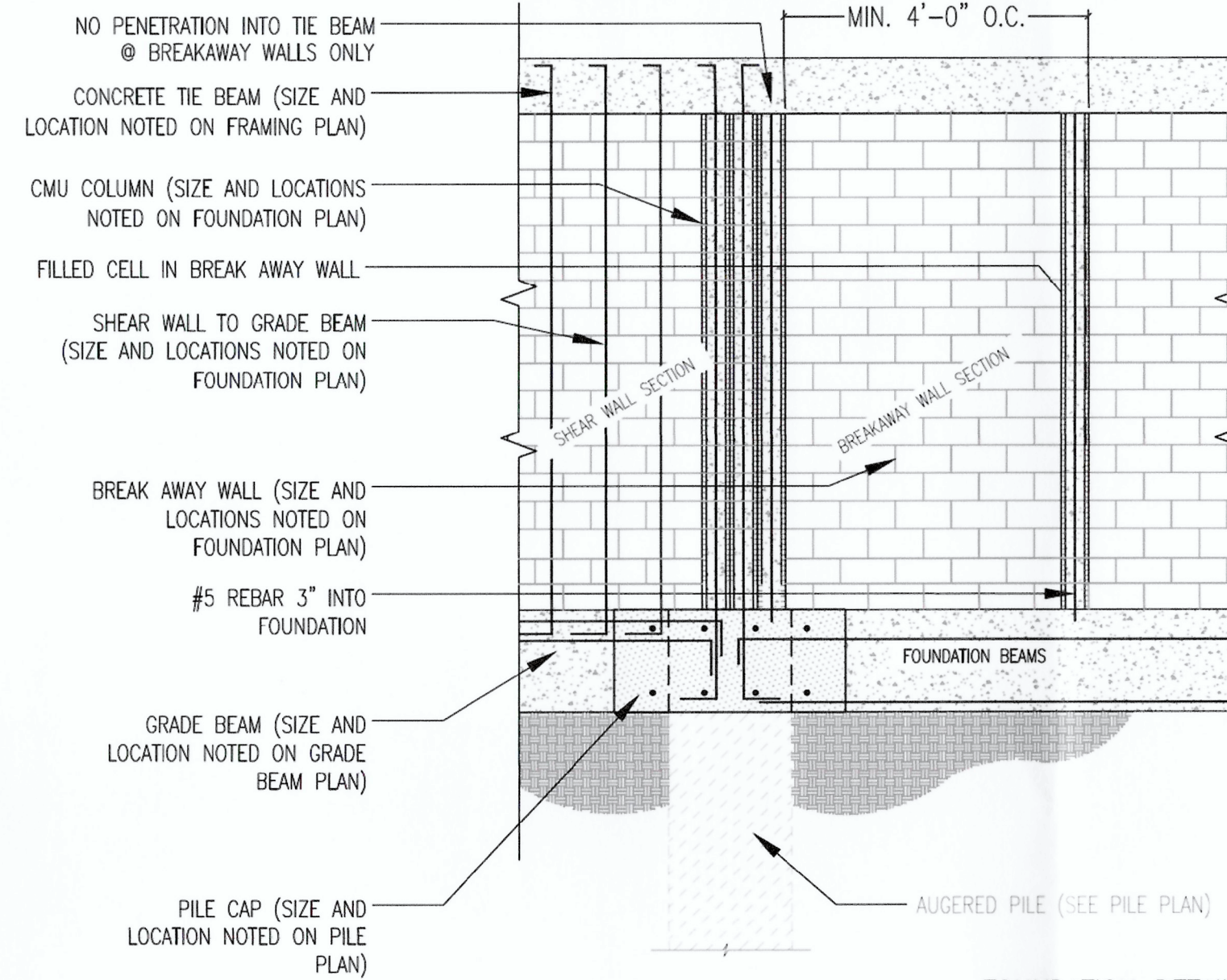
MARK	SIZE (W x D)	REBAR
GB1	1'-0" x 8"	(2) #5 REBAR
GB2	1'-4" x 1'-0"	(3) #5 3" FROM TOP & BOTTOM
GB3	1'-0" x 1'-4"	(2) #5 3" FROM TOP & BOTTOM
GB4	1'-4" x 1'-4"	(3) #5 3" FROM TOP & BOTTOM
GB5	2'-0" x 1'-4"	(4) #5 3" FROM TOP & BOTTOM

NOTE:
ALL GRADE BEAMS TO HAVE #3 STIRRUPS @ 12" O.C.

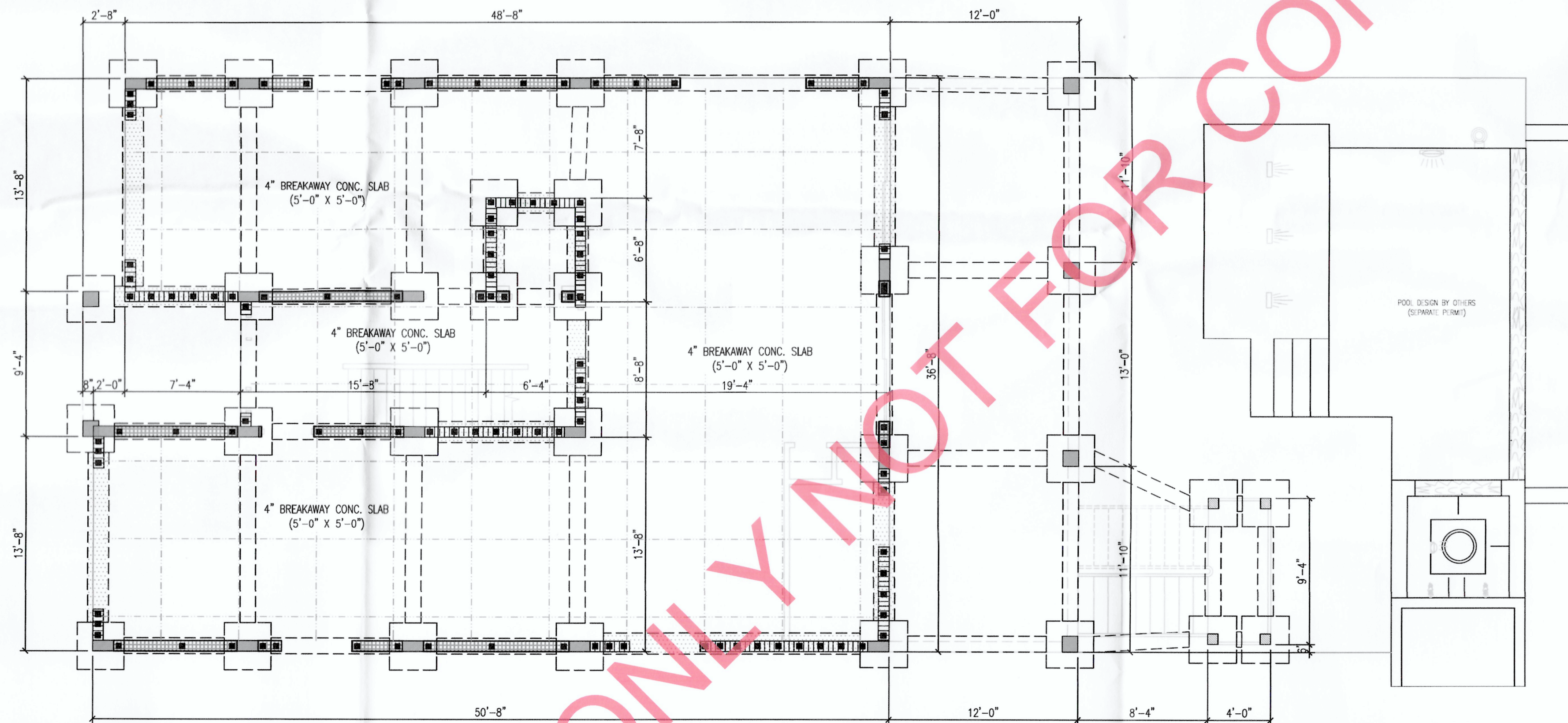


BREAKAWAY NOTE:
BREAKAWAY COLLAPSE SHALL RESULT FROM A SAFE DESIGN LOADING 20 POUNDS PER SQ. FT. SAID WALLS ARE CAPABLE OF RESISTING A SAFE DESIGN LOADING OF 10 POUNDS PER SQ. FT. THE ELEVATED PORTION OF THE BUILDING AND SUPPORTING FOUNDATION SYSTEM SHALL NOT BE SUBJECT TO COLLAPSE, DISPLACEMENT, OR OTHER STRUCTURAL DAMAGE DUE TO THE EFFECTS OF WIND AND WATER LOADS ACTING SIMULTANEOUSLY ON ALL BUILDING COMPONENTS. THE SPACE BELOW THE LOWEST FLOOR IS USEABLE SOLELY FOR PARKING OF VEHICLES, BUILDING ACCESS AND STORAGE.

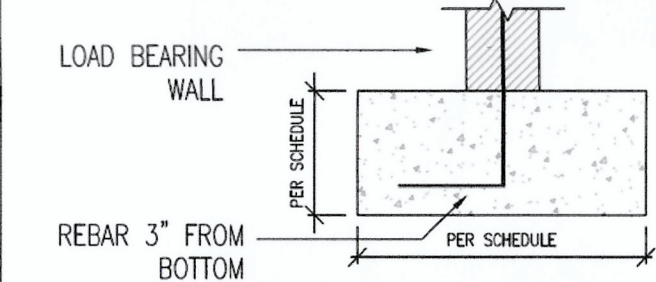
NO PENETRATION INTO TIE BEAM @ BREAKAWAY WALLS ONLY
CONCRETE TIE BEAM (SIZE AND LOCATION NOTED ON FRAMING PLAN)
CMU COLUMN (SIZE AND LOCATIONS NOTED ON FOUNDATION PLAN)
FILLED CELL IN BREAK AWAY WALL
SHEAR WALL TO GRADE BEAM (SIZE AND LOCATIONS NOTED ON FOUNDATION PLAN)
BREAK AWAY WALL (SIZE AND LOCATIONS NOTED ON FOUNDATION PLAN)
#5 REBAR 3" INTO FOUNDATION
GRADE BEAM (SIZE AND LOCATION NOTED ON GRADE BEAM PLAN)
PILE CAP (SIZE AND LOCATION NOTED ON PILE PLAN)



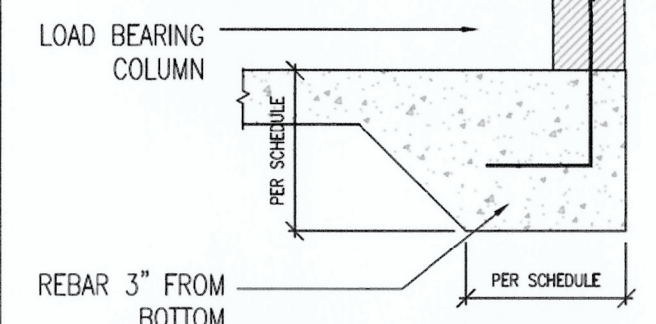
FOUNDATION DETAIL
SCALE: NTS



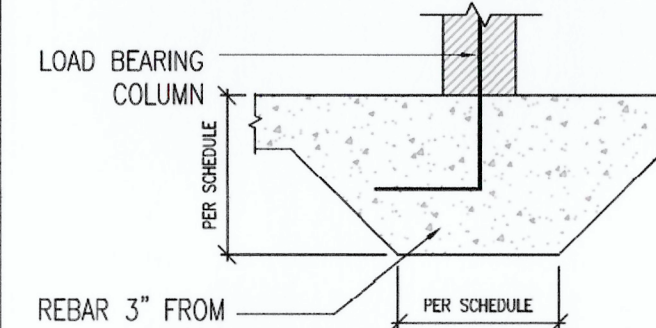
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



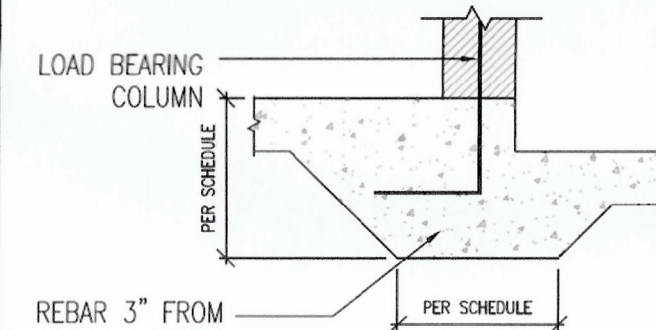
TYPICAL STEM WALL



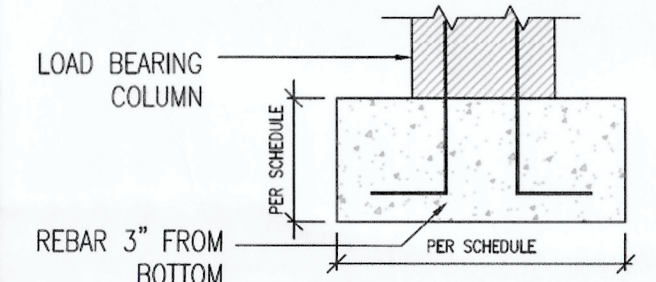
TYPICAL MONO FOOTER



TYPICAL INTERIOR FOOTING



TYPICAL STEP DOWN FOOTING



TYPICAL CONC. PAD

FOOTING SCHEDULE

MARK	TYPE	SIZE (W x D)	REBAR
F01	STEM WALL	16" x 10"	(2) #5
F02	STEM WALL	20" x 10"	(3) #5
F03	STEM WALL	24" x 12"	(3) #5
F04	FOUNDATION BEAM	12" x 12"	(2) #5 TAB (3) #5 TAB #3 STRIPS @ 12" O.C.
F05	BREAKAWAY FOOTER	12" x 16"	(2) #5 TAB #3 STRIPS @ 12" O.C.
F06	BREAKAWAY FOOTER	12" x 12"	(2) #5 TAB #3 STRIPS @ 12" O.C.
F07	FOUNDATION BEAM	16" x 20"	(3) #7 TAB #3 STRIPS @ 12" O.C.
F08	INTERIOR FOOTING	16" x 10"	(2) #5
F09	STEP DOWN FOOTING	12" x 12"	(2) #5
F10	STEP DOWN FOOTING	16" x 16"	(2) #5

PILE CAP SCHEDULE

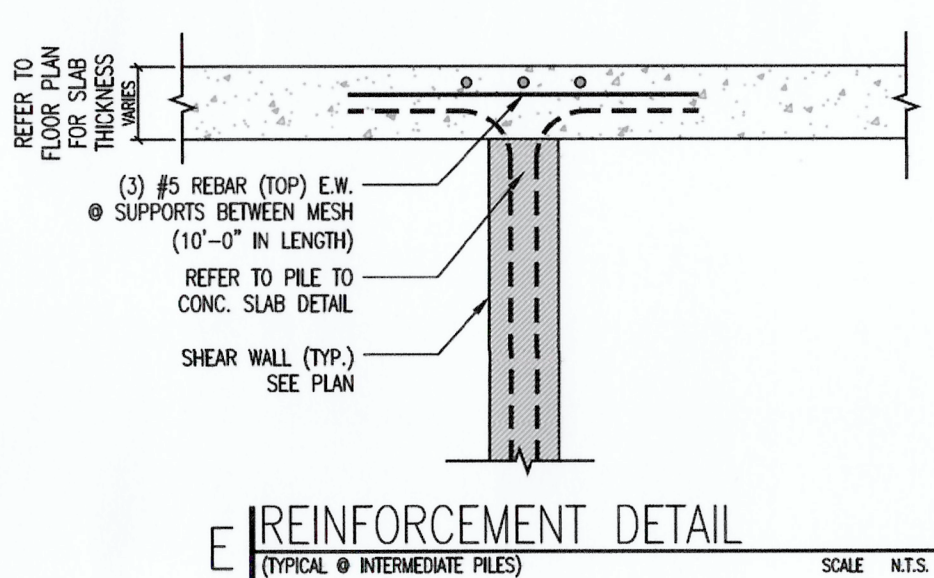
MARK	TYPE	SIZE (W x L x D)	REBAR
P01	CONC. PAD	1'-0" x 1'-0" x 1'-0"	(2) #5 EA. WAY
P1.5	CONC. PAD	1'-6" x 1'-6" x 1'-6"	(3) #5 EA. WAY
P02	CONC. PAD	2'-0" x 2'-0" x 1'-0"	(3) #5 EA. WAY
P2.5	CONC. PAD	2'-6" x 2'-6" x 1'-0"	(3) #5 EA. WAY
P03	CONC. PAD	3'-0" x 3'-0" x 1'-4"	(4) #5 EA. WAY
P04	CONC. PAD	4'-0" x 4'-0" x 1'-4"	(5) #5 EA. WAY

WALL LEGEND:

- 2x4 FRAME WALL
- 2x6 FRAME WALL
- 2x8 FRAME WALL
- CMU WALL
- CMU BREAKAWAY WALL

REBAR LOCATION:

- SHEAR WALLS AS INDICATED TO HAVE #5 REBAR @ 16" O.C. (VERTICAL) & 9" GA JOINT REINFORCEMENT @ 16" O.C. (HORIZONTAL)
- ONE STORY BLOCK WALLS TO HAVE #5 REBAR @ 6" O.C.
- TWO STORY BLOCK WALLS TO HAVE #5 REBAR @ 4" O.C.



BLOCKING REQUIRED AT ALL CANTILEVERS

SCALE: 3/16" = 1'-0"

St-214