REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

PROJECT INFO:
PARCEL NUMBER - 25818-040-000
LAND USE ZONING - GENERAL COMMERCIAL (PKR)
FLOOD ZONE - X
SQ. FT. CALCULATIONS:
BUILDING "A" TOTAL HEATED AND COOLED - 16,596 SQ. FT.
BUILDING "B" TOTAL HEATED AND COOLED - 12,800 SQ. FT.
BUILDING "A" FOOTPRINT - 11,408 SQ. FT.
BUILDING "B" FOOTPRINT - 9,022 SQ. FT.
AREA OF LOT - 1.882 ACRES
BUILDING CLASSIFICATION (BOTH BUILDINGS) - R-1 TYPE III

ANY MODIFICATIONS, WHETHER IN-FIELD OR PRIOR TO CONSTRUCTION, MUST BE SUBMITTED, REVIEWED, AND APPROVED BY THE EOR BEFORE MODIFICATIONS TAKE PLACE. MK WEBER BEARS NO LIABILITY FOR ANY MODIFICATIONS MADE OUTSIDE OF THIS SIGNED AND SEALED PLAN SET WITHOUT PRIOR APPROVAL. ANY REQUESTS FOR MODIFICATIONS, WHETHER PRIOR TO CONSTRUCTION OR IN-FIELD, MUST BE SUBMITTED TO THE EOR IN WRITING. THE OWNER AND/OR CONTRACTOR UNDERSTANDS THAT ANY REQUESTED MODIFICATIONS TO THE PLAN SET MAY TAKE SEVERAL WEEKS TO PROCESS AND SHOULD PLAN ACCORDINGLY. THERE IS NO GUARANTEE THAT REQUESTED MODIFICATIONS WILL BE APPROVED. ANY MODIFICATIONS REQUESTED MUST BE REFLECTED IN A REVISED SET OF DRAWINGS THAT BEAR THE EOR'S SIGNATURE AND SEAL.

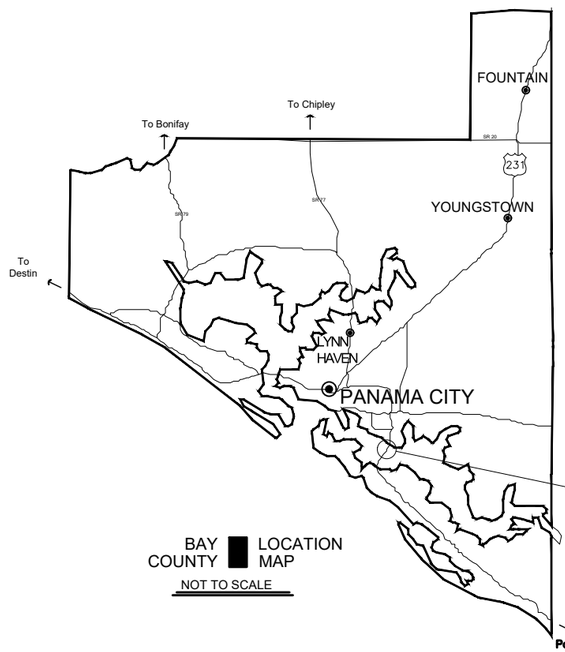
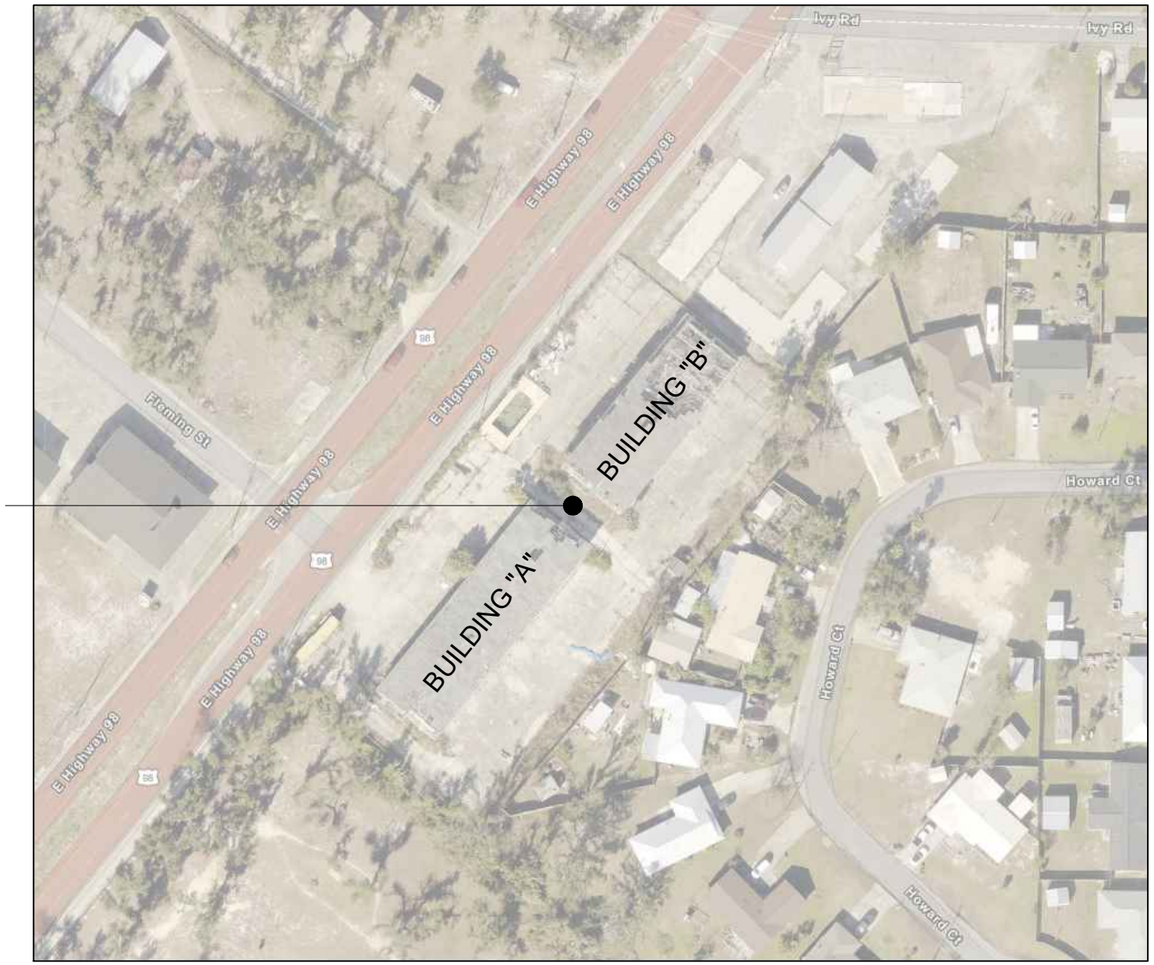


TABLE OF CONTENTS

COVER SHEET / LOCATION MAP	C0.0
STRUCTURAL NOTES	S1.0
BUILDING "A" FIRST FLOOR DAMAGE LAYOUT	S2.0
BUILDING "A" SECOND FLOOR DAMAGE LAYOUT	S2.1
BUILDING "B" FIRST FLOOR DAMAGE LAYOUT	S2.2
BUILDING "B" SECOND FLOOR DAMAGE LAYOUT	S2.3
C.M.U. WALL REPAIR DETAILS	S3.0
SPALL REPAIR DETAILS	S3.1
STUCCO WALL SYSTEM DETAIL	S3.2
LOBBY HEADER DETAIL	S3.3
TYP. WALL REPAIR DETAIL	S3.4
TYP. DETAILS	S3.5



AERIAL MAP VIEW
NOT TO SCALE

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3200 W. 23RD STREET
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FL CERTIFICATE OF AUTHORIZATION # 33120

MICHAEL K. WEBER LICENSE No. 75798 PROFESSIONAL ENGINEER FLORIDA
Michael K Weber
Digitally signed by Michael K Weber
Date: 2022.08.19 09:27:35 -05'00'

EOR: MICHAEL K. WEBER P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. # 75798

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REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

REV.	DESCRIPTION	DATE

JOB NUMBER:	20157-2
DRAWN BY:	JCC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

SHEET TITLE
COVER SHEET

DRAWING NUMBER
C0.0

STRUCTURAL NOTES

GENERAL

1. DESIGN CODE DATA
   - 2018 INTERNATIONAL BUILDING CODE (IF APPLICABLE)
   - 2020 FLORIDA STATE BUILDING CODE
   - ASCE 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
   - ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
   - ANSI/ AF&PA NDS-2005: NATIONAL DESIGN SPECIFICATION FOR WOOD STRUCTURE
   - ACI 530-08/ ASCE 5-08/ TMS 402/602-16: BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES

2. BUILDING OCCUPANCY CATEGORY= II (PER ASCE 7-16 TABLE 1-1).

3. DESIGN LOADS:
   - DEAD LOADS: ROOF/FLOOR = 20 PSF
   - LIVE LOADS: ROOF = 20 PSF

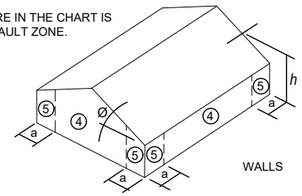
   WIND SPEED = 140 MPH (ULT)
   EXPOSURE = C
   ENCLOSURE CLASSIFICATION = ENCLOSED
   KD= 0.85
   KZT= 1.0
   BASE VELOCITY PRESSURE, QH=40.2 PSF

   - FLOOR LIVE LOADS: 1ST STORY = 40 PSF
   - FLOOR LIVE LOADS: 2ND STORY = 40 PSF

COMPONENTS AND CLADDING				
ROOFS	DESIGN PRESSURE (ULT)		DESIGN PRESSURE (ASD)	
TRIBUTARY AREA 10 SF	POSITIVE (PSF)	NEGATIVE (PSF)	POSITIVE (PSF)	NEGATIVE (PSF)
ZONE 1 max	28.8	87.6	17.3	52.6
ZONE 2 max	28.8	127.8	17.3	76.7
ZONE 3 max	28.8	152.0	17.3	91.2
TRIBUTARY AREA 100 SF	POSITIVE (PSF)	NEGATIVE (PSF)	POSITIVE (PSF)	NEGATIVE (PSF)
ZONE 1 max	19.3	27.3	11.6	16.4
ZONE 2 max	19.3	70.3	11.6	42.2
ZONE 3 max	19.3	79.6	11.6	47.8
WALLS	DESIGN PRESSURE		DESIGN PRESSURE	
TRIBUTARY AREA 10 SF	POSITIVE (PSF)	NEGATIVE (PSF)	POSITIVE (PSF)	NEGATIVE (PSF)
ZONE 4	47.4	51.5	28.5	30.9
ZONE 5	47.4	63.5	28.5	38.1
TRIBUTARY AREA 100 SF	POSITIVE (PSF)	NEGATIVE (PSF)	POSITIVE (PSF)	NEGATIVE (PSF)
ZONE 4	40.3	44.3	24.2	26.6
ZONE 5	40.3	49.3	24.2	29.6

* WHEN SUB-ZONES ARE SHOWN, THE PRESSURE IN THE CHART IS BASED UPON THE MAX PRESSURE IN THE DEFAULT ZONE.

EXAMPLE: ZONE 3 CONTAINS THE MAX PRESSURE FOR ALL SUB-ZONES OF THE # 3, SUCH AS 3E & 3R



SEE FBC R301.2(7) FOR FULL PICTORIAL OF DESIGN PRESSURES

MATERIAL SPECIFICATIONS

CONCRETE

FOOTINGS AND FOUNDATION WALLS ——— 3,500 PSI @ 28 DAYS
SLAB ON GRADE ——— 3,500 PSI @ 28 DAYS
ALL OTHER CIP CONCRETE NOT NOTED ——— 3,500 PSI @ 28 DAYS
CONCRETE REINFORCING STEEL ——— 60 KSI, ASTM A615
WELDED WIRE REINFORCEMENT ——— 65 KSI, ASTM A185
ANCHOR RODS ——— ASTM F1554 (SEE SCHEDULE FOR GRADE)
ADHESIVE ANCHORS ——— HILTI HAS-E THREADED ROD WITH 150 HY INJECTION ADHESIVE OR EQUAL
MECHANICAL ANCHORS ——— HILTI KWIK BOLT III OR EQUAL
POWDER DRIVEN FASTENERS ——— HILTI DS OR EQUAL

MASONRY

CONCRETE MASONRY UNITS ——— F'm= 1,500 PSI, ASTM C90 NORMAL WEIGHT UNITS
MORTAR: TYPE S- BELOW GRADE ——— 1,800 PSI, ASTM C270
MORTAR: TYPE N- ABOVE GRADE ——— 750 PSI, ASTM C270
MASONRY GROUT ——— 3,000 PSI, ASTM C476
MASONRY REINFORCING STEEL ——— 60 KSI, ASTM A615
JOINT REINFORCEMENT ——— #9, ASTM A83

STEEL
L 5x3.5x5/16, Fy = 50 KSI

GENERAL (CONTINUED)

4. MAXIMUM ALLOWABLE DEFLECTION CRITERIA:
   - ROOF: L/360 LIVE LOAD; L/240 TOTAL LOAD
   - FLOORS: L/480 LIVE LOAD; L/360 TOTAL LOAD (WOOD I-JOISTS ONLY)
   - FLOORS: L/360 LIVE LOAD; L/240 TOTAL LOAD

5. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON OR EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

6. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.

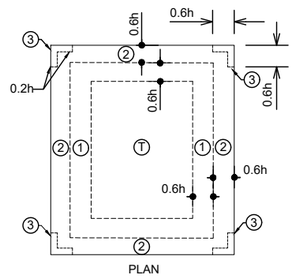
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND ALL JOB SITE SAFETY.

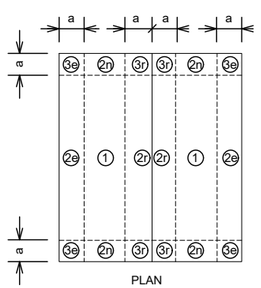
8. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION - RESOLVE ANY DISCREPANCY WITH DESIGNER / ENGINEER. DO NOT SCALE DRAWINGS.

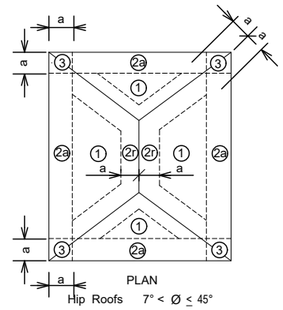
9. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL, AND OTHER DESIGN CONSULTANT'S DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS. ANY APPARENT DISCREPANCIES, LIMITATIONS OR CONCERNS RESULTING FROM THIS COORDINATION SHOULD BE RESOLVED WITH THE DESIGNER / ENGINEER IMMEDIATELY.

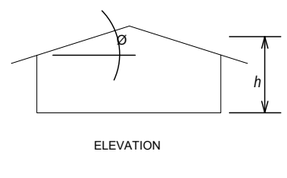
10. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTING. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY IMMEDIATELY.

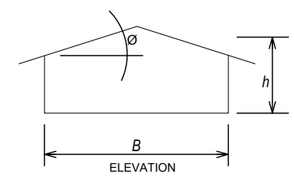
11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL BUILDING MATERIALS AND COMPONENTS.COMPONENT LOCATIONS ARE SHOWN FOR DESIGN INTENT, NOT EXACT LOCATION, SPECIFICALLY.INDEPENDENTLY PREPARED SHOP DRAWINGS ARE REQUIRED OF ALL TRADES FOR COORDINATION AND BEST PRACTICE. ERRORS OR OMISSIONS IN INSTALLATION DUE TO THE CONTRACTOR'S FAILURE TO COORDINATE THE WORK WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

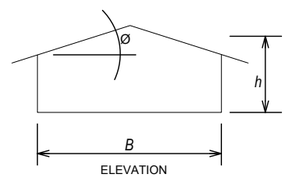












CONCRETE CONSTRUCTION

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM WITH THE LOCAL BUILDING CODE REQUIREMENTS AND THOSE OF THE LATEST EDITION OF THE FOLLOWING STANDARDS: ACI 318, ACI 315, ACI 301, AND ACI 307.

2. ALL CONCRETE, UNLESS SPECIFICALLY NOTED, SHALL BE NORMAL WEIGHT (145 PCF).

3. THE COMPRESSIVE STRENGTH OF ALL GROUT USED TO PROVIDE LEVEL BEARING OF COLUMN BASE PLATES SHALL MEET OR EXCEED THE COMPRESSIVE STRENGTH OF THE SUPPORTING CONCRETE MEMBER.

4. CONCRETE REINFORCING SHALL HAVE THE FOLLOWING MINIMUM PROTECTIVE COVER:
   CONCRETE CAST AGAINST EARTH = 3"
   CONCRETE EXPOSED TO EARTH OR WEATHER
   - #6 THROUGH #18 BARS = 2"
   - #5 BAR AND SMALLER = 1-1/2"

   CONCRETE WITH INTERIOR EXPOSURE: SLABS, WALLS, JOISTS
   - #14 AND #18 BARS = 1-1/2"
   - #11 BAR AND SMALLER = 3/4"

5. UNLESS NOTED OTHERWISE ON THE DRAWINGS ALL REINFORCING SHALL BE LAPPED TO DEVELOP ITS CAPACITY AS FOLLOWS: (SEE TABLE FOLLOWING THIS SECTION)

6. SLAB-ON-GRADE SHALL HAVE CLASS 'A' TOLERANCE.

7. A 6-MIL. (MIN.) POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED NOT LESS THAN 6" SHALL BE PLACED BETWEEN THE SAND BASE AND THE CONCRETE FLOOR.

8. CALCIUM CHLORIDE AND OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE USED.

9. PLACING OF CONCRETE SHALL BE DONE IN CONFORMANCE WITH ACI-306 FOR COLD WEATHER AND ACI-305 FOR HOT WEATHER.

BAR SIZES	STANDARD	TOP BAR	"B" SPLICE	HOOK
#3	13"	16"	16"	6"
#4	20"	24"	24"	8"
#5	28"	44"	44"	10"
#6	36"	60"	60"	12"
#7	52"	82"	82"	14"

NOTE: MULTIPLY LAP LENGTHS BY 1.3 FOR TOP BAR CONDITIONS, TOP BARS ARE HORIZONTAL BARS WITH 12 INCHES OR MORE OF CONCRETE BELOW.

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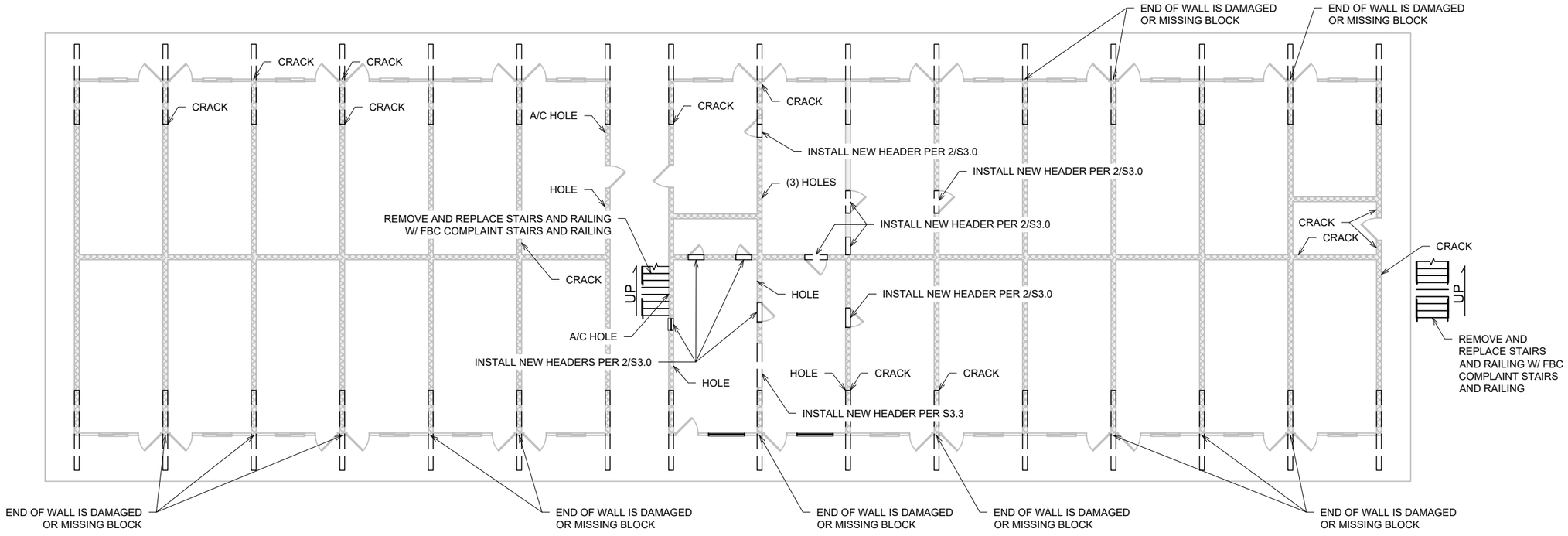
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PANAMA CITY, FLORIDA

REV.	DESCRIPTION	DATE

JOB NUMBER:	20157-2
DRAWN BY:	JCC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

SHEET TITLE
STRUCTURAL NOTES

DRAWING NUMBER
S1.0



NOTE: ALL CMU WALLS ARE TO BE POURED SOLID AND REINFORCED PER DETAIL 1/S3.0

1 BUILDING "A" FIRST FLOOR DAMAGE LOCATIONS

1/16"=1'-0"(11x17) 1/8"=1'-0"(24x36)

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Michael K Weber — Digitally signed by Michael K Weber Date: 2022.08.29 12:27:18 -05'00'

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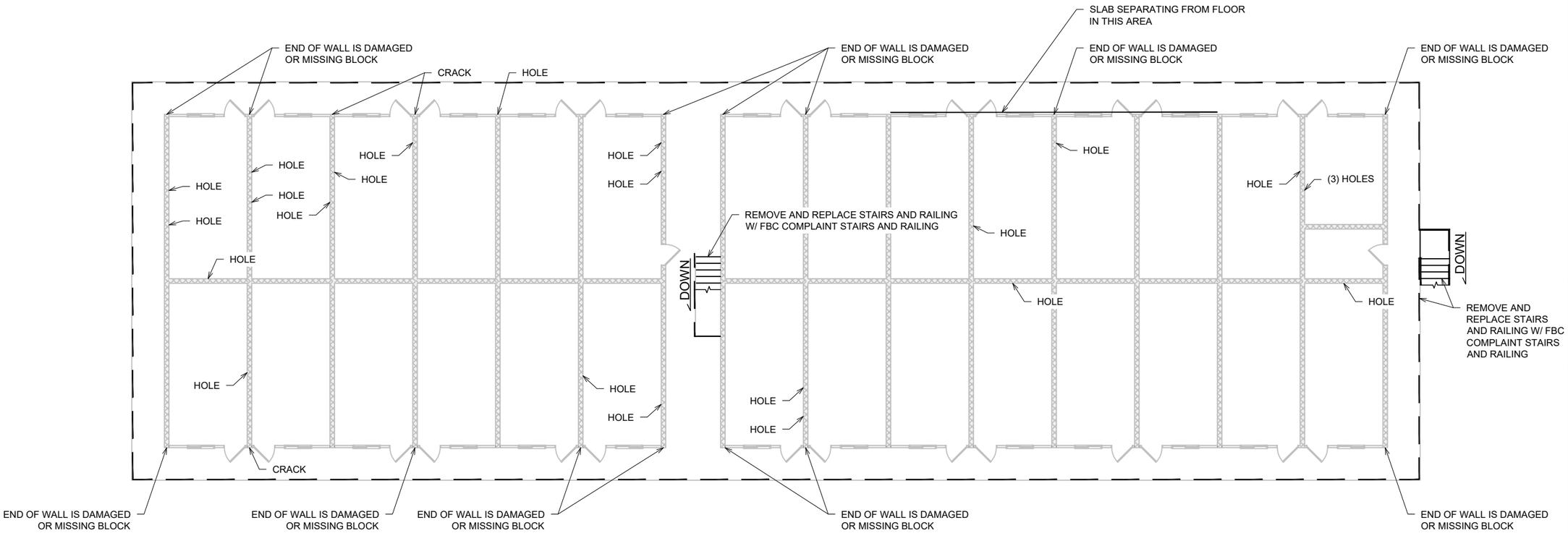
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EXISTING STRUCTURE LAYOUT

DRAWING NUMBER

EX1.0

E S N W



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1 BUILDING "A" SECOND FLOOR DAMAGE LOCATIONS

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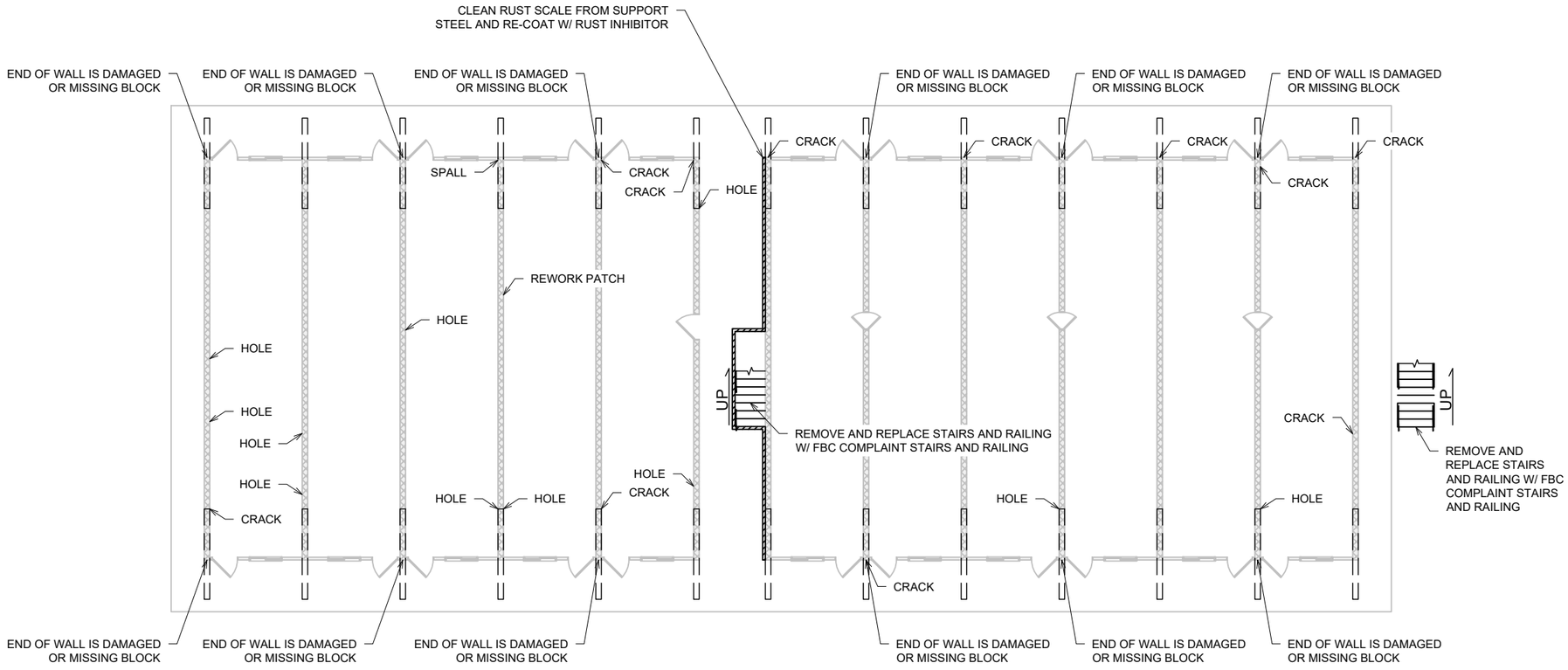
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DEMOLITION PLAN

DRAWING NUMBER

D1.0

E S N W



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1 BUILDING "B" FIRST FLOOR DAMAGE LOCATIONS

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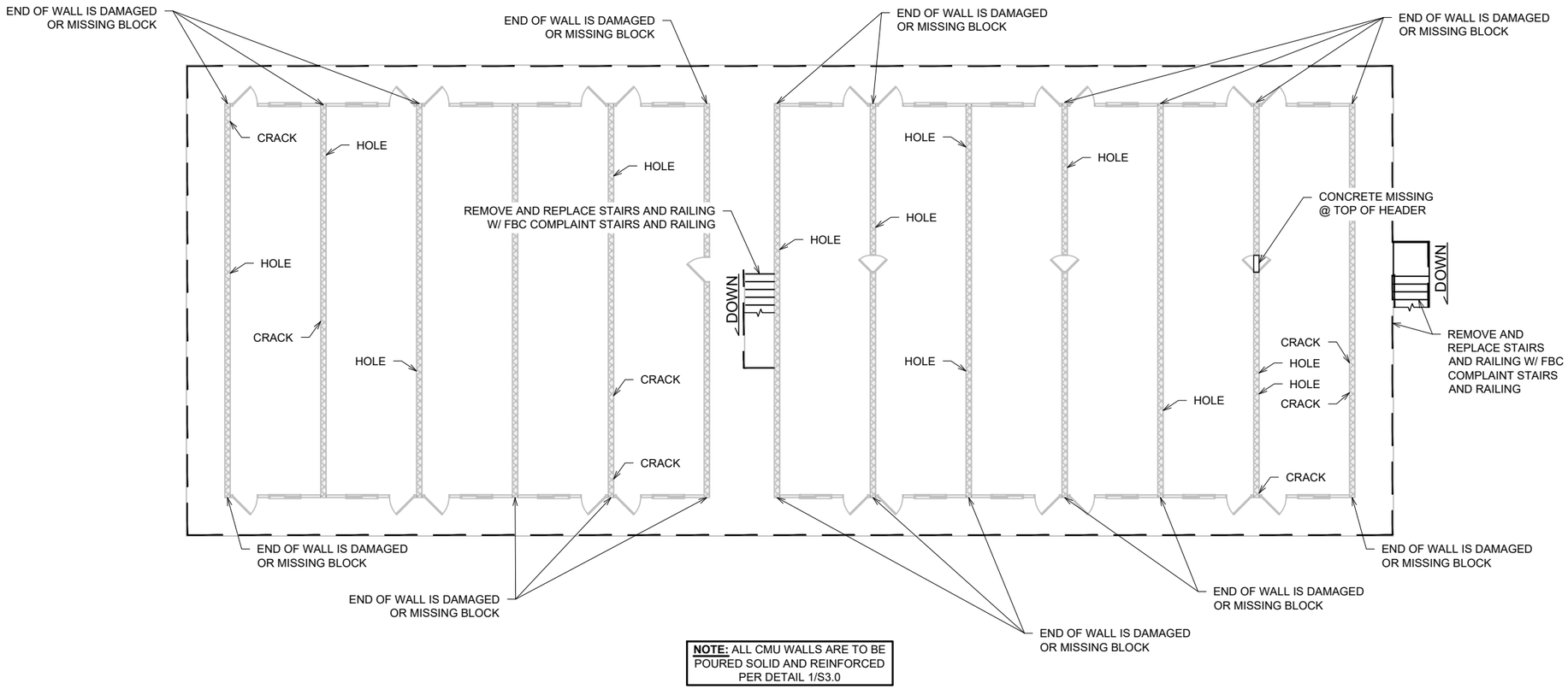
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SHEET TITLE

DRAWING NUMBER

S2.1

E S N W



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Michael K Weber P.E. Digitally signed by Michael K Weber P.E. Date: 2022.08.29 15:26:53 -05'00'

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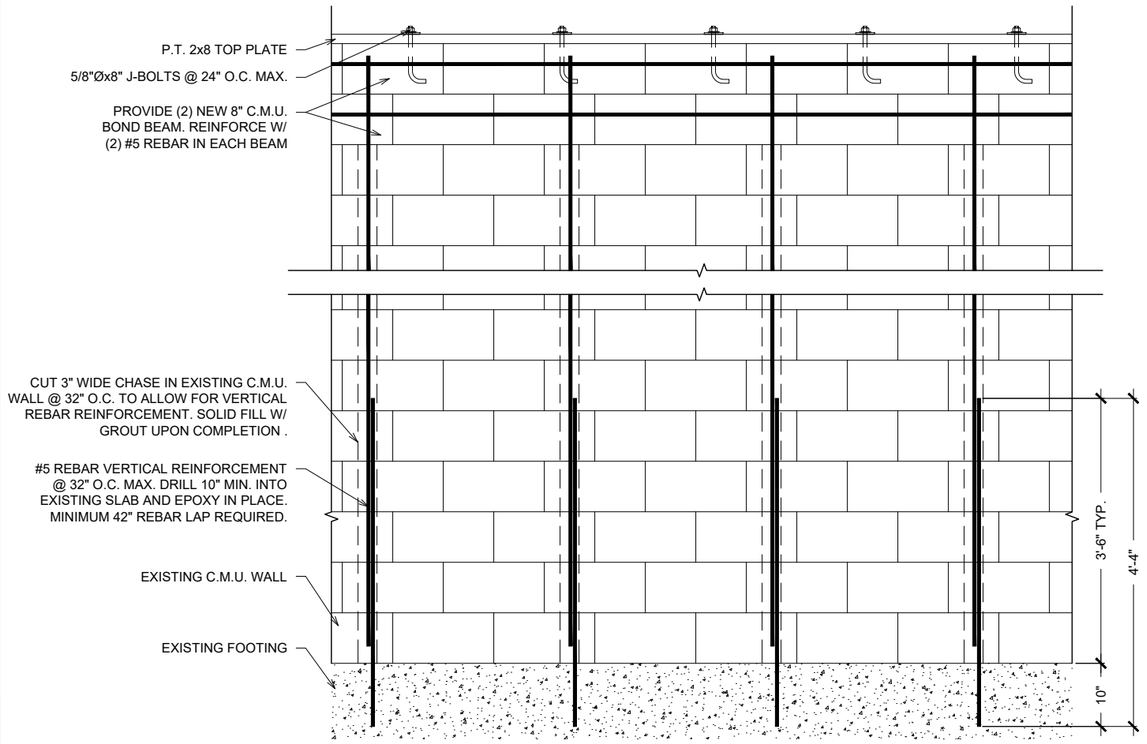
SHEET TITLE

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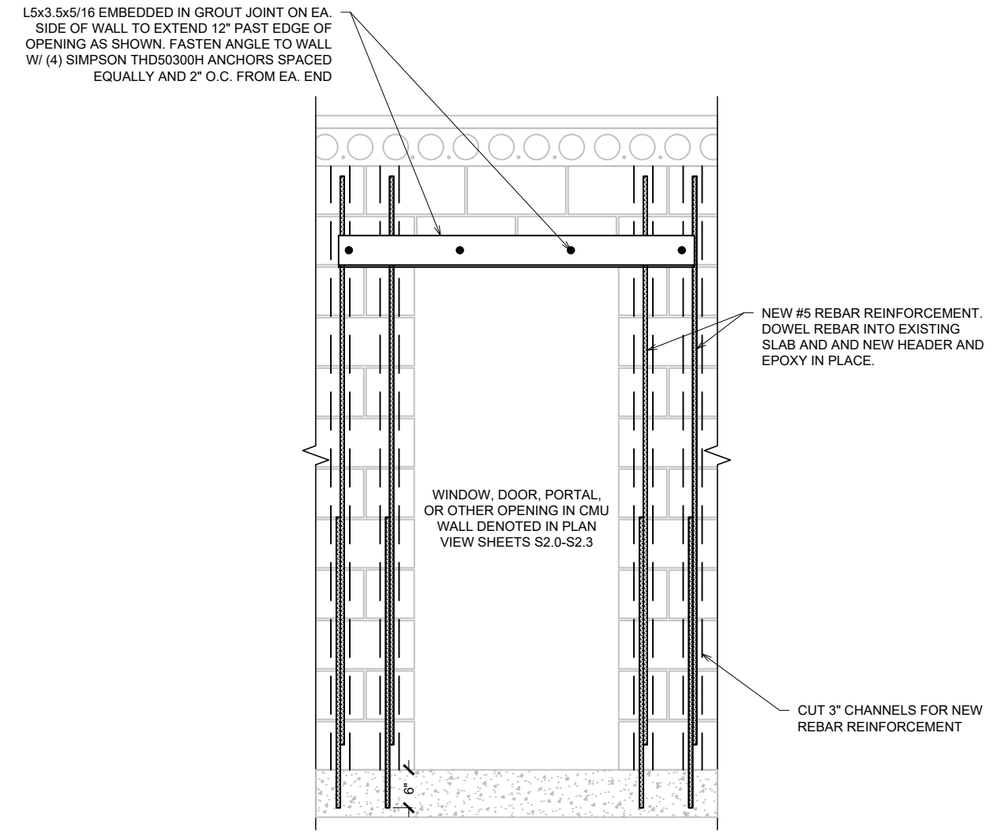
S2.2

E S N W



1 CMU WALL REPAIR DETAIL

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



2 TYP. HEADER DETAIL

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

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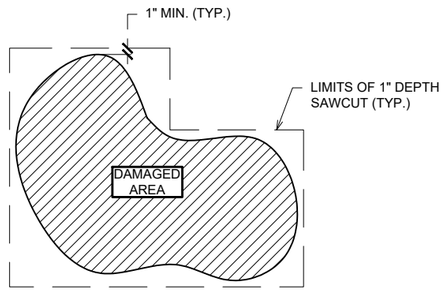
JOB NUMBER:	20157-2
DRAWN BY:	JCC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

SHEET TITLE

C.M.U. WALL REPAIR DETAIL

DRAWING NUMBER

S3.0



1 REPAIR CUT AREA DETAIL

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

NOTE:

1. PREP AREA MUST BE SSD (SATURATED SURFACE DRY) PRIOR TO PLACEMENT OF REPAIR MORTAR

2. USE SIKAQUICK - 1000 OR SIKACRETE - 211 OR APPROVED EQUAL FOR FULL DEPTH REPAIR.

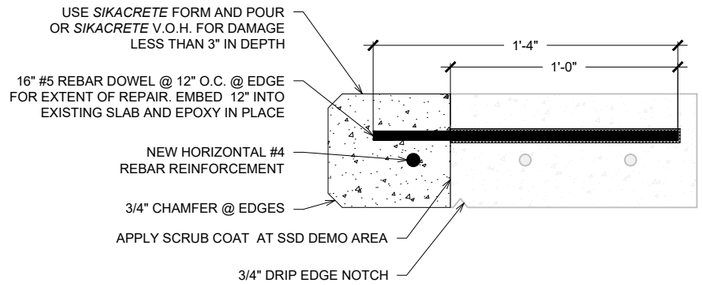
3. USE DURAPREP AC OR ARMATEC-110 EPOCHEM THREE COMPONENT BONDING AGENT OR REPAIR MORTAR SCRUB COAT AT REINFORCEMENT & CONCRETE SURFACES PRIOR TO PLACEMENT OF CONCRETE.

4. PROVIDE SHORING @ UNSUPPORTED SLAB SPANS DURING DEMO & UNTIL 85% CONCRETE STRENGTH IS DEVELOPED. SUBMIT SHORING PLAN TO ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.

5. SEE MFG. DATA SHEETS FOR APPLICATION & CURE TIME INFORMATION.

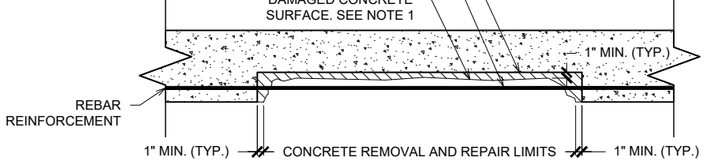
6. USE ONE OF THE FOLLOWING EPOXY ADHESIVES OR APPROVED EQUAL.
- HILTI HIT HY200 - INJECTION ADHESIVE
- SIMPSON SET XP
- SIMPSON SET-3G

7. FOR FULL DEPTH REPAIRS, A PUMPABLE 5,000 PSI BATCH MIX MAY BE USED. SUBMIT TO ENGINEER FOR APPROVAL PRIOR TO USE.



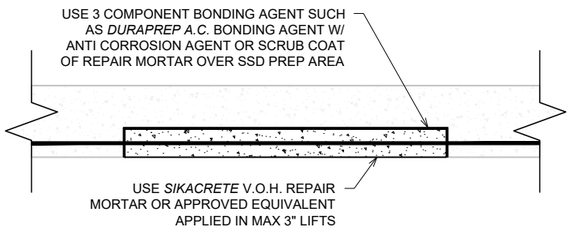
5 BALCONY EDGE SPALL REPAIR

1-1/2"=1'-0"(11x17) 3"=1'-0"(24x36)



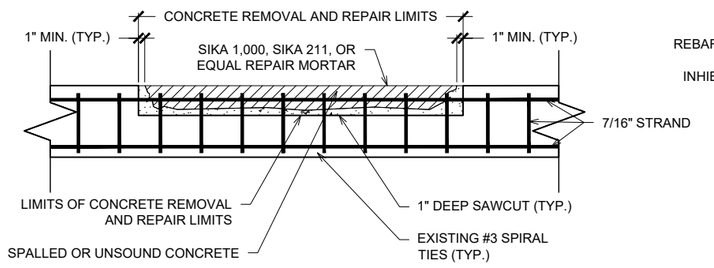
2 OVERHEAD REPAIR PREP SECTION

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



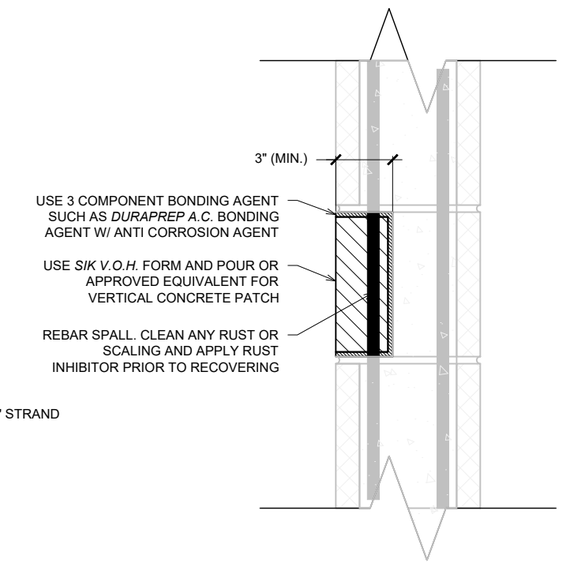
3 OVERHEAD REPAIR SECTION

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



4 BALCONY/WALKWAY FLOOR SPALL REPAIR

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



6 BLOCK WALL SPALL REPAIR

1-1/2"=1'-0"(11x17) 3"=1'-0"(24x36)

MK WEBER
structural engineering

3200 W. 23RD STREET
PANAMA CITY, FL 32405
MKWEBER.COM

FL CERTIFICATE OF AUTHORIZATION # 33120

MICHAEL K. WEBER LICENSE No. 75798 STATE OF FLORIDA PROFESSIONAL ENGINEER

Michael K Weber

Digitally signed by Michael K Weber
Date: 2022.08.29 09:26:39 -5'00'

EOR: MICHAEL K. WEBER P.E.
STRUCTURAL ENGINEER
FLORIDA P.E. # 75798

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REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

REV.	DESCRIPTION	DATE

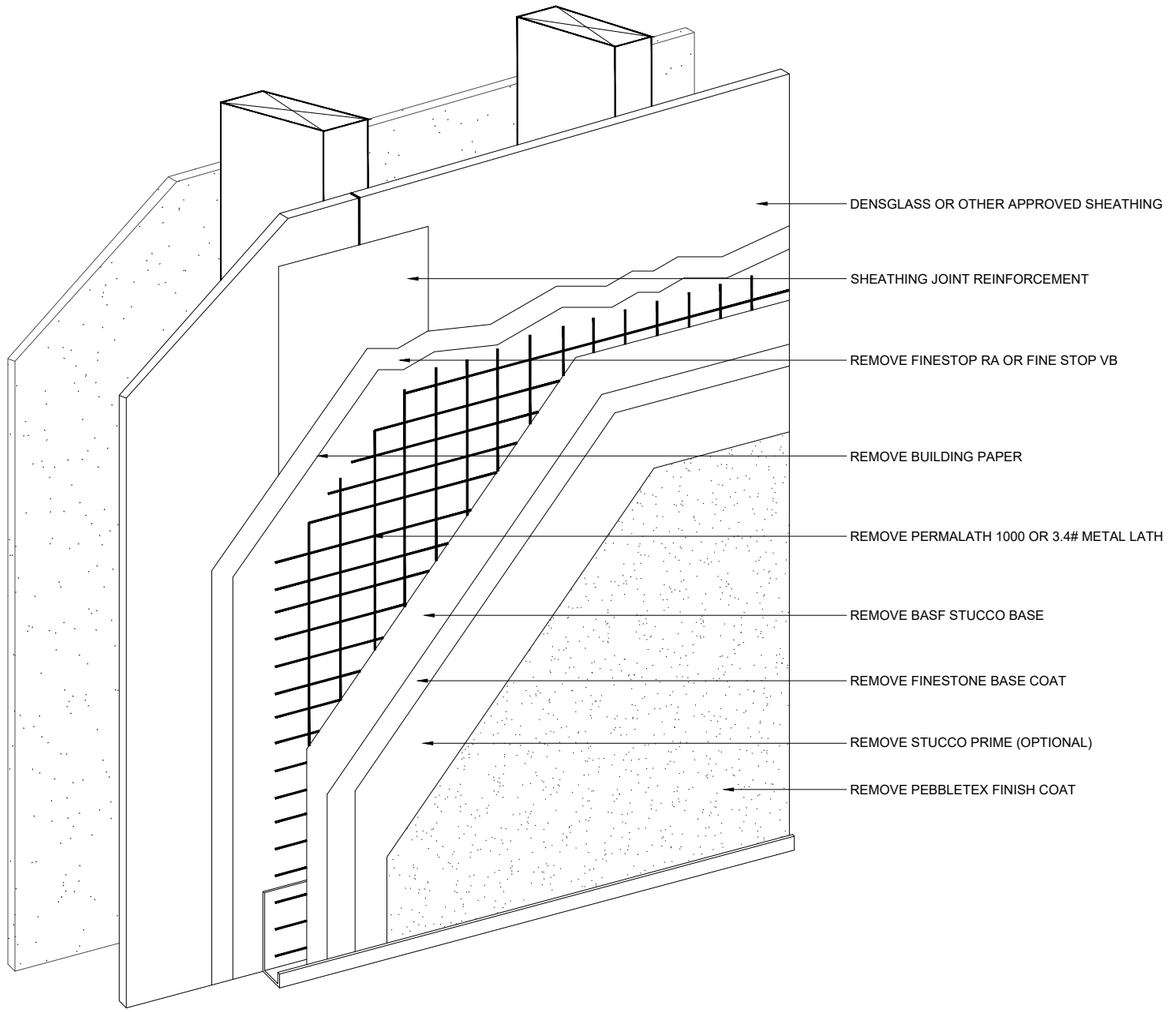
JOB NUMBER:	20157-2
DRAWN BY:	JCC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

SHEET TITLE

SPALL REPAIR DETAILS

DRAWING NUMBER

S3.1



1 FINESTONE STUCCO PLUS WALL SYSTEM OVER METAL STUDS
NOT TO SCALE

NOTE:
1. REMOVE ALL MATERIALS UNTIL ONLY DENSGLASS SHEATHING REMAINS.
2. ONCE DENSGLASS IS VISIBLE ADD THE MISSING FASTENERS ACCORDING TO TABLE BELOW.
3. AFTER THE FASTENING PATTERN FOR THE DENSGLASS IF CORRECT RESEAL ALL JOINTS AND SCREW HEADS WITH MANUFACTURERS SPECIFIED JOINT REINFORCEMENT & SEALANT.
4. ONCE SEALED, PROCEED W/ MANUFACTURERS INSTRUCTIONS AS DIRECTED TO RE-APPLY ALL MATERIALS.

Fastening and Framing

Thickness	Framing Spacing	Panel Orientation	Fastener Spacing – Wood Framing[4]	Fastener Spacing – Metal Framing[4]
1/2" (12.7 mm)	24" (610 mm) o.c. max[1,3]	Parallel[2] or Perpendicular	8" (203 mm) o.c. field[2] & perimeter	8" (203 mm) o.c. along framing
5/8" (15.9 mm)	24" (610 mm) o.c. max[3]	Parallel[2] or Perpendicular	8" (203 mm) o.c. field[2] & perimeter	8" (203 mm) o.c. along framing

1. Only for mechanically attached claddings. When specified behind EIFS, maximum framing spacing for 1/2" (12.7 mm) DensGlass® Sheathing is 16" (406 mm) o.c.

2. Fastener spacing around the perimeter of the wall and along intermediate vertical framing members. To meet the racking shear strength listed in the physical properties table, fastener spacing is 4" (102 mm) o.c. around the perimeter of each panel and 8" (203 mm) o.c. along vertical framing members.

3. For racking strength resistance, apply panel edges parallel with framing spaced a maximum of 16" (406 mm) o.c. for both 1/2" (12.7 mm) and 5/8" (15.9 mm) DensGlass Sheathing.

4. Fire-rated assemblies may require additional fasteners, see specific assembly details.

Fastener*	Length 1/2" (12.7 mm) Thick Sheathing	Length 5/8" (15.9 mm) Thick Sheathing	Description	Application
	1" (25 mm)	1-1/4" (32 mm)	Bugle head fine thread, corrosion-resistant drill point drywall screw	DensGlass Sheathing to heavy-gauge metal framing (18 gauge or thicker)
	1" (25 mm)	1-1/4" (32 mm)	Bugle head fine thread, corrosion-resistant sharp point drywall screw	DensGlass Sheathing to light-gauge metal framing furring (20-25 gauge)
	1-1/4" (32 mm)	1-5/8" (41 mm)	Bugle head, rust-resistant, coarse thread sharp point screw	DensGlass Sheathing to wood framing
	1-1/4" (32 mm)	1-1/4" (32 mm) metal 1-5/8" (41 mm) wood	Wafer head, corrosion-resistant screws, drill or sharp point	DensGlass Sheathing to heavy-gauge or light-gauge, metal or wood framing
	1-1/2" (38 mm)	1-3/4" (45 mm)	11-gauge, galvanized nail	DensGlass Sheathing to wood framing

**For screws, meet or exceed ASTM C1002 or C954. Contact fastener manufacturer for correct amount of corrosion resistance.*

DENSGLASS MANUF. FASTENING PATTERN EXCERPT

MK WEBER structural engineering
3200 W. 23RD STREET
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Michael K Weber
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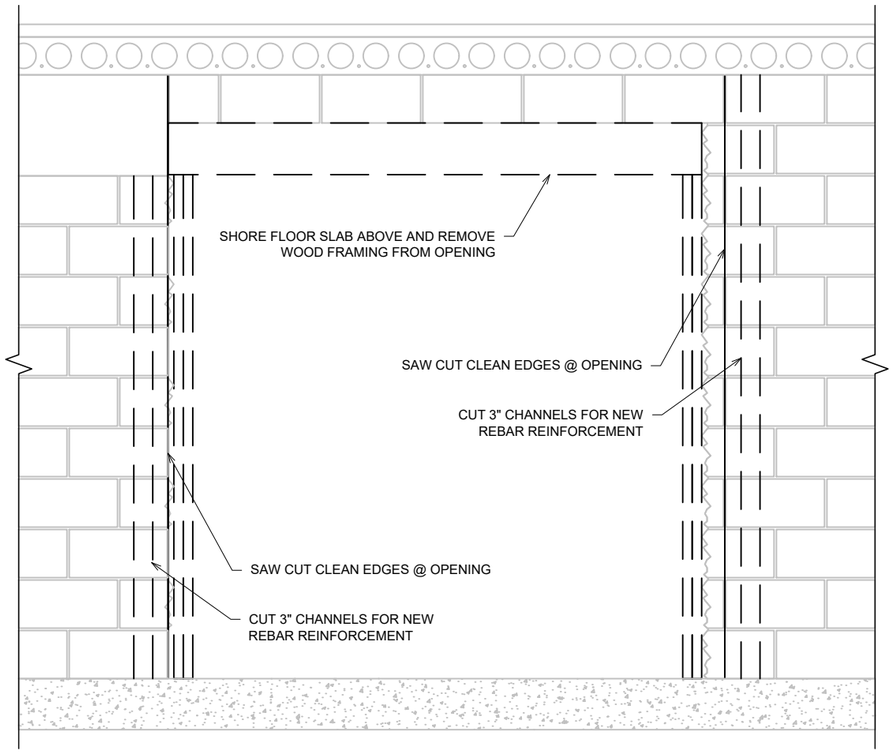
REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

REV.	DESCRIPTION	DATE

JOB NUMBER:	2021579.2
DRAWN BY:	TBC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

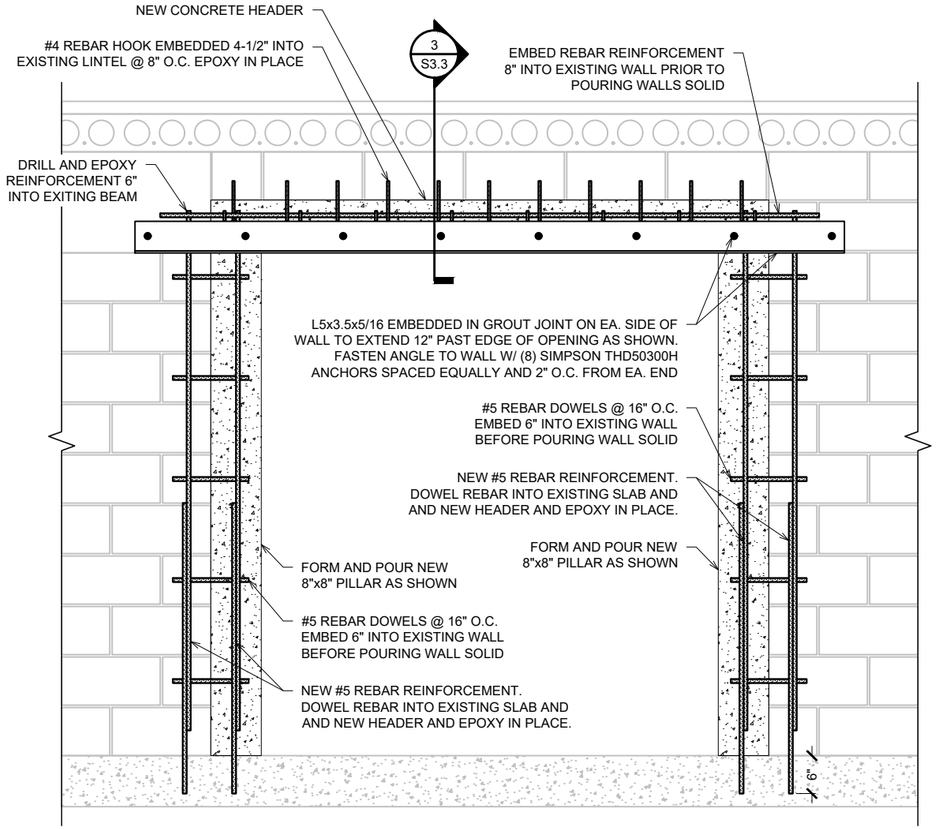
SHEET TITLE
STUCCO WALL SYSTEM

DRAWING NUMBER
S3.2



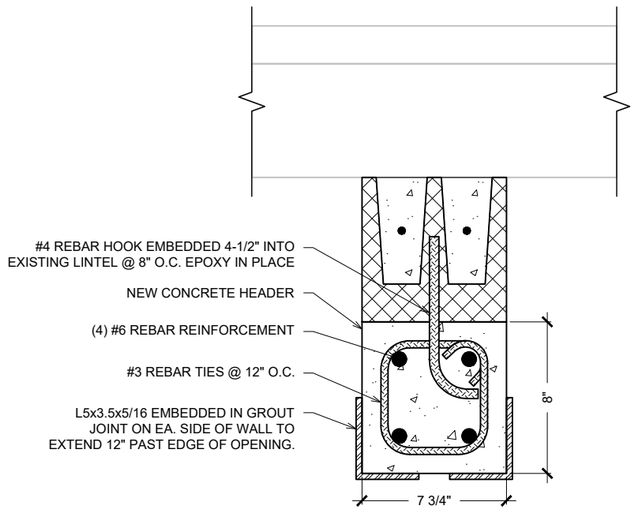
1 HEADER AT LOBBY DEMO

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



2 NEW HEADER AT LOBBY DOOR

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



1 HEADER AT LOBBY DEMO

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

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REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

REV.	DESCRIPTION	DATE

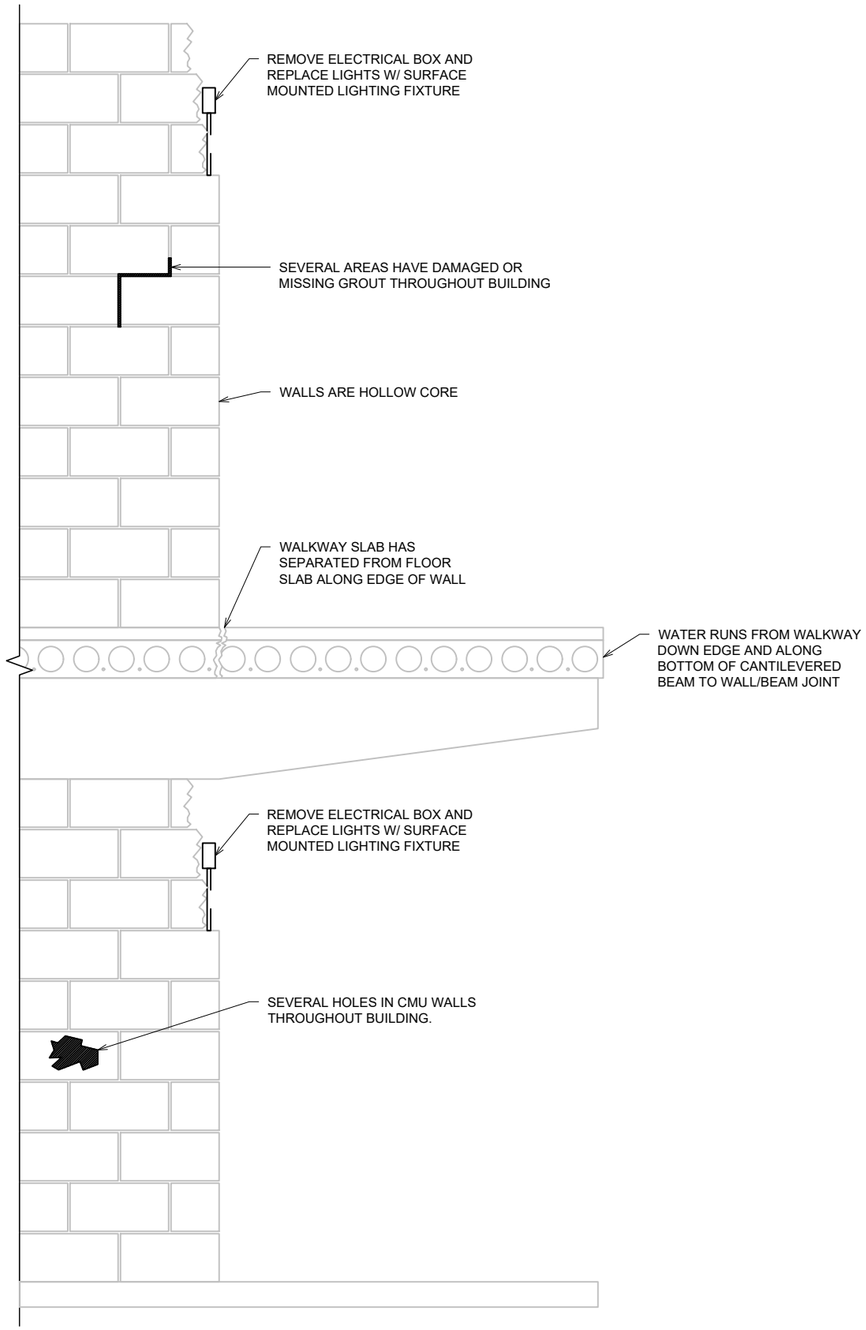
JOB NUMBER:	20157-2
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SHEET TITLE

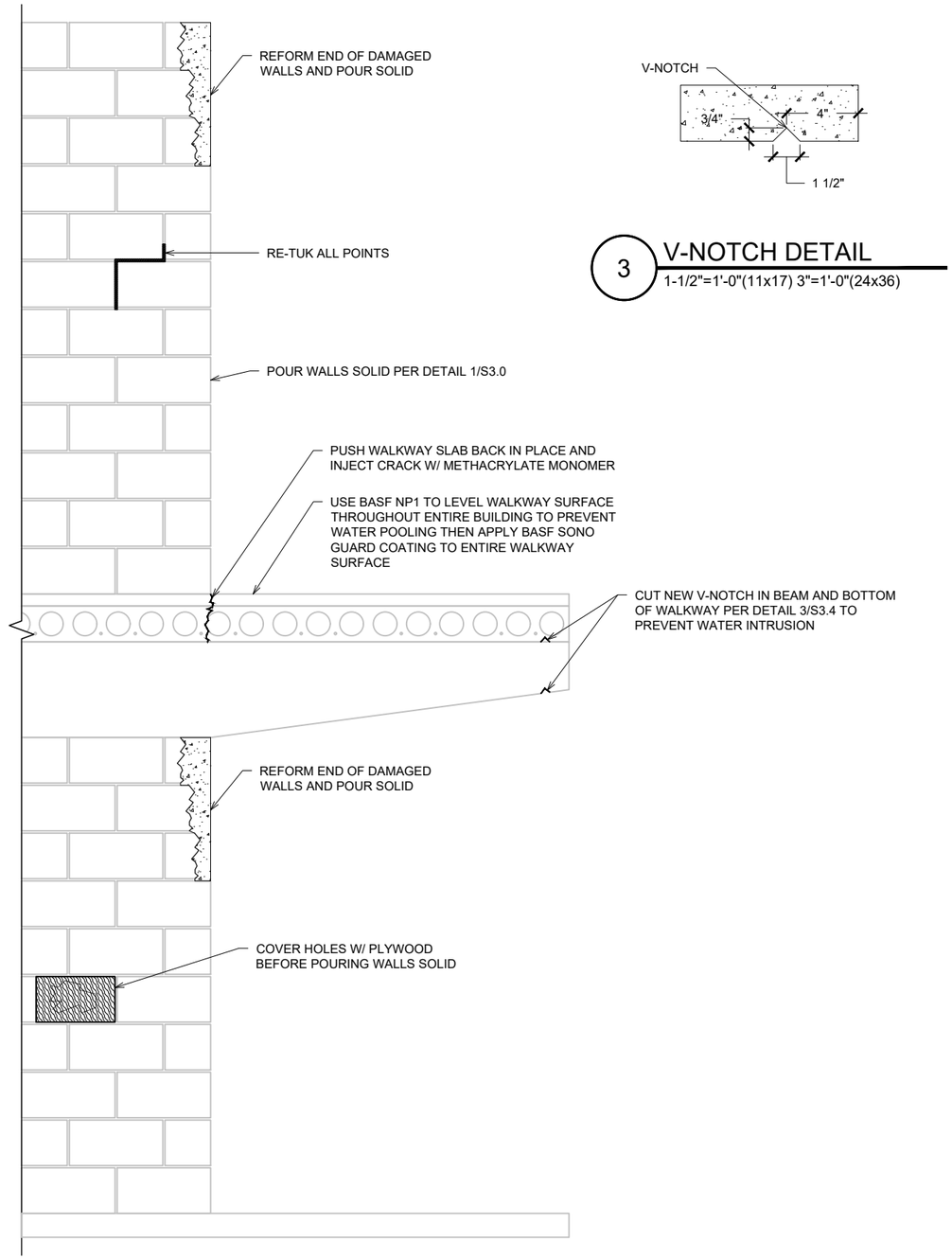
C.M.U. WALL REPAIR DETAIL

DRAWING NUMBER

S3.3



1 TYPICAL DAMAGE DETAIL
1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



2 TYPICAL REPAIR DETAIL
1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

3 V-NOTCH DETAIL
1-1/2"=1'-0"(11x17) 3"=1'-0"(24x36)

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Michael K Weber

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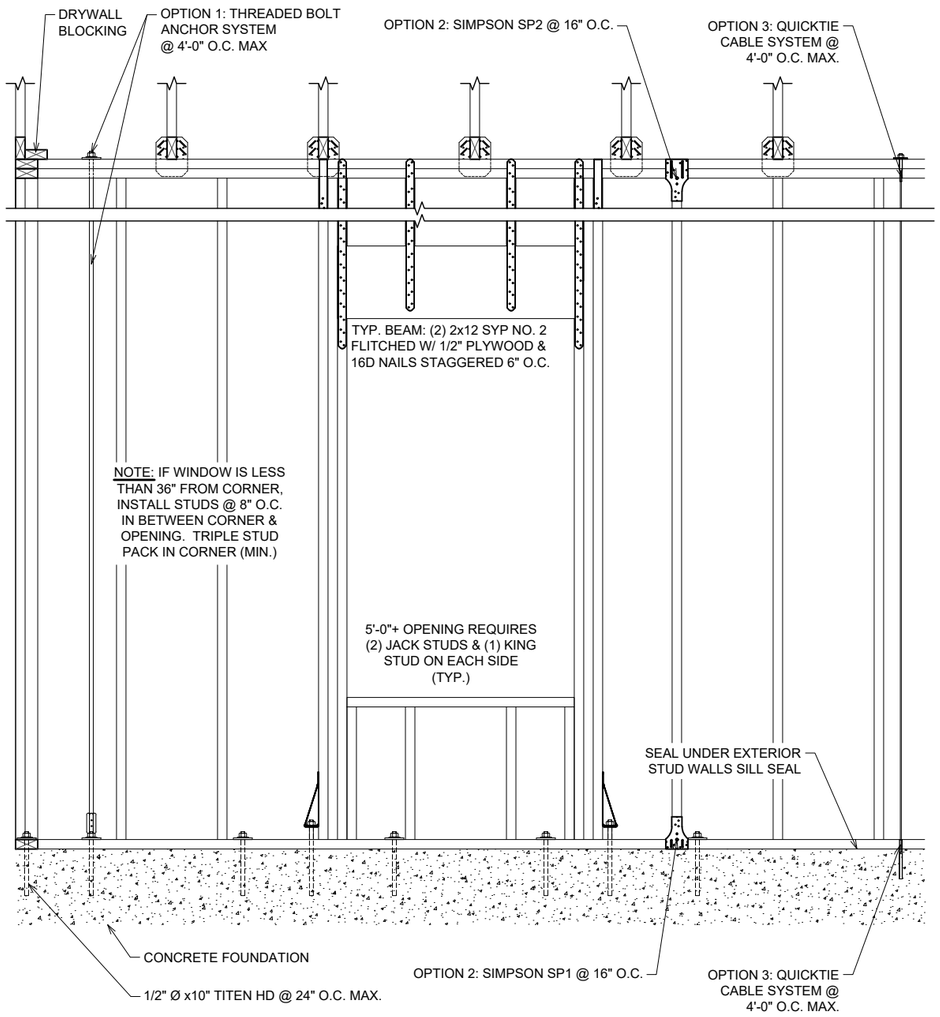
REPAIR DRAWINGS FOR:
LA BRISA INN
5711 EAST HWY 98
PANAMA CITY, FLORIDA

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JOB NUMBER:	20157-2
DRAWN BY:	JCC
CHECKED BY:	MKW
PLOT DATE:	8/19/2022

SHEET TITLE
C.M.U. WALL REPAIR DETAIL

DRAWING NUMBER
S3.4



1 TYP. WALL CONNECTION DETAILS

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

NOTE:

AT EXISTING CONCRETE, IN LIEU OF ANCHOR BOLTS, USE OPTIONAL THREADED ROD WITH MIN. 6" EMBEDDED & EPOXIED INTO PLACE WITH SIMPSON ATXP ADHESIVE OR OTHER ANCHOR BOLT SYSTEM TO BE SUBMITTED AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO INSTALLATION

WALL CONNECTION OPTIONS:

OPTION 1 - THREADED BOLT SYSTEM: 5/8" ROD SYSTEM @ 6' O.C. & WITHIN 12" OF CORNER & EACH OPENING SIDE.

OPTION 2 - SIMPSON SP1 & SP2 HOLD DOWNS @ 16" O.C.

OPTION 3 - QUICKTIE CABLE SYSTEM: QTG @ 4' O.C & WITHIN 12" OF EACH OPENING, WITH QTR WITHIN 12" OF CORNERS

HURRICANE ANCHOR CLIP
CONNECTOR: H10A
UPLIFT: 1015 LBS

TOP PLATE STUD TIE
CONNECTOR: SP2
UPLIFT: 1065 LBS

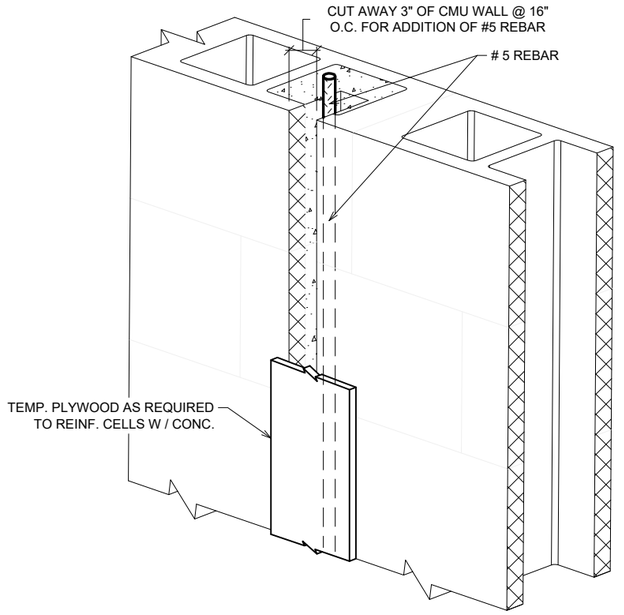
JACK STUD TOP PLATE TIE
CONNECTOR: SPH4
UPLIFT: 620 LBS
(CENTERED LOAD 1320 LBS)

BEAM STRAP
CONNECTOR: CS16
UPLIFT: 1705 LBS

BOTTOM PLATE STUD
CONNECTOR: SP1
UPLIFT: 585 LBS

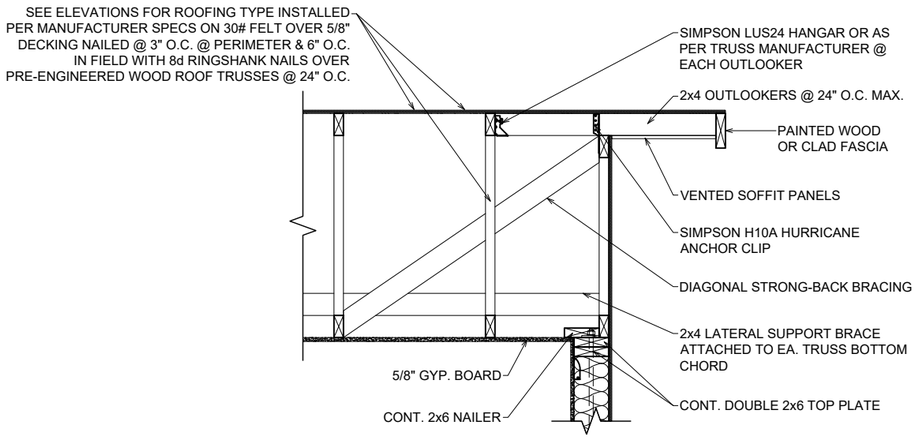
OPENING & CORNER HOLD DOWN
CONNECTOR: HD3B
OR HDU2-SDS2.5
UPLIFT: 3075 LBS

OPENING SIZE	No. OF JACK STUDS	No. OF KING STUDS	No. OF BEAM STRAPS	No. OF JAMB STUD TIES	OPENING HOLD DOWN	CORNER HOLD DOWN
8'	2	2	2	2	HDU2-SDS2.5	HDU2-SDS2.5
7'	2	2	2	2	HDU2-SDS2.5	HDU2-SDS2.5
6'	2	2	2	2	HDU2-SDS2.5	HDU2-SDS2.5
5'	2	1	1	1	HDU2-SDS2.5	HDU2-SDS2.5
4'	1	1	1	1	HDU2-SDS2.5	HDU2-SDS2.5
3'	1	1	1	1	HDU2-SDS2.5	HDU2-SDS2.5



2 CMU WALL REINFORCEMENT DETAIL

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)



3 GABLE ENDWALL SECTION

1/2"=1'-0"(11x17) 1"=1'-0"(24x36)

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structural engineering
3200 W. 23RD STREET
PANAMA CITY, FL 32405
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REV.	DESCRIPTION	DATE

JOB NUMBER:	20157-2
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SHEET TITLE

TYPICAL STRUCTURAL DETAILS

DRAWING NUMBER

S3.5