CONSTRUCTION PLANS FOR:

7TH STREET BEACH RESTROOM FEMA REPAIRS

PREPARED FOR:

CITY OF MEXICO BEACH
BAY COUNTY, FLORIDA

PREPARED BY:

Dewberry

PROJECT NUMBER - 50112879
OCTOBER, 2022

48 HOURS
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CALL SUNSHINE ONE
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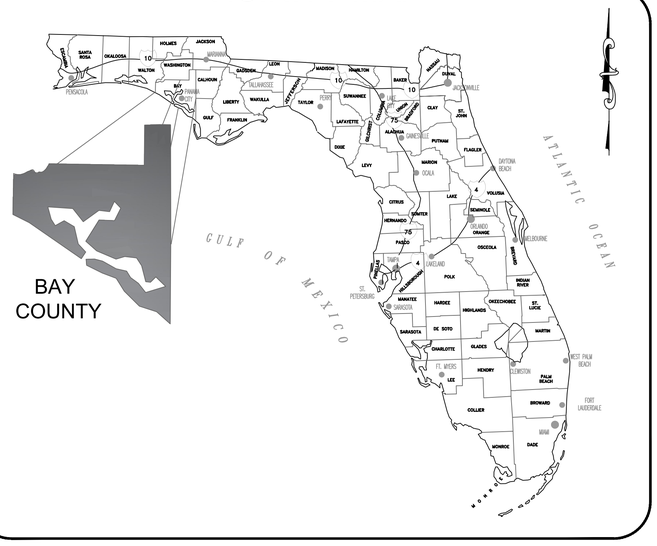
BID SET

REV. NO.	DATE	REVISION DECRIPTION	RELEASED TO	RELEASE DATE

CITY OF MEXICO BEACH COUNCIL MEMBERS:

MAYOR AL CATHEY, GROUP 1
JERRY SMITH, GROUP 2
BOBBY POLLOCK, GROUP 3
ADRIAN WELLE, GROUP 4
RICHARD WOLFF, GROUP 5

VICINITY MAP



DRAWING INDEX

CIVIL-S.C.E.

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G-1	GENERAL NOTES
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C-2	SITE PLAN & PROFILE
C-3	GRADING PLAN
C-4	PLANTING PLAN

CIVIL-DEWBERRY

DWG No.	TITLE
U-1	UTILITY PLAN

BY OTHERS

DWG No.	TITLE
A100-A105	ARCHITECTURAL DRAWINGS
E-1	ELECTRICAL DRAWING
M-1	MECHANICAL DRAWING
P-1	PLUMBING DRAWING
S1-S3	STRUCTURAL DRAWINGS

SOUTHEASTERN
CONSULTING ENGINEERS, INC.

F.D.E.P. BEACHES & COASTAL SYSTEMS PERMIT DRAWINGS

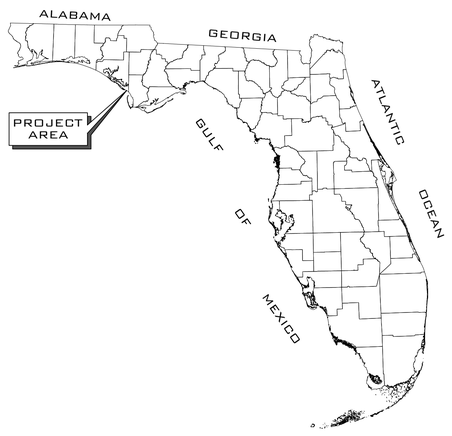
SECTION	25	TOWNSHIP	6S	RANGE	12W

MEXICO BEACH, FL 32410
BAY COUNTY PARCEL NO.: 04189-000-000

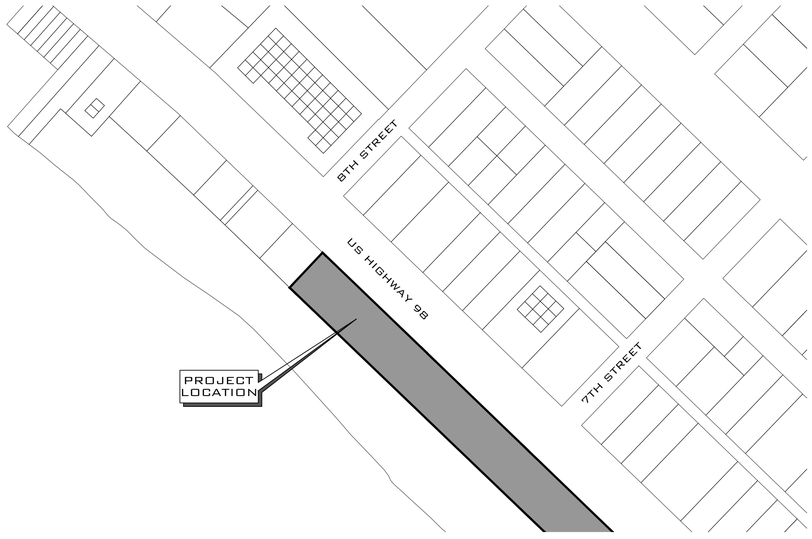
FOR

CITY OF MEXICO BEACH

PROJECT VICINITY



LOCATION MAP



SHEET INDEX

SHEET	SHEET NAME
CVR	COVER SHEET
G1	GENERAL NOTES
C1	SITE PLAN
C2	SITE PLAN & PROFILE
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NOTE:

1. ALL SCALES HEREIN SHALL BE CONSIDERED APPROPRIATE FOR 24X36 SIZE PLOTS ONLY.
2. DUE TO REPRODUCTION, THE SCALES SHOWN ON THIS PLAN SET MAY HAVE BEEN COMPROMISED.

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(850) 227-1297
LB# 29064
LB# 29064

COVER SHEET

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

ITEM	BY	DATE

PROJECT NUMBER: 21-167-14
DESIGNED BY: H.B.
DRAWN BY: H.B.
CHECKED BY: J.HUSBAND
FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 3/16/22

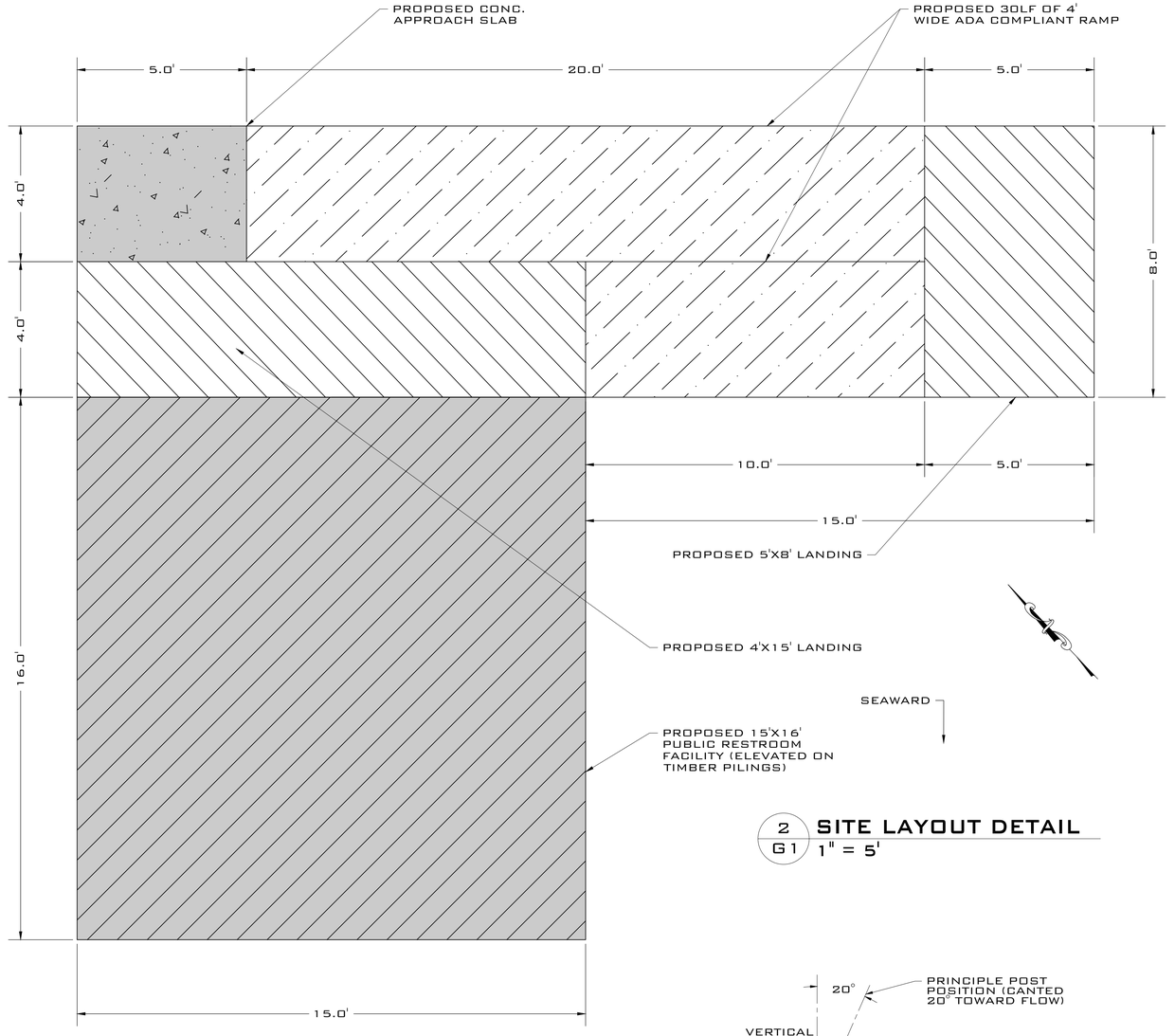
SHEET NO.
CVR

GENERAL NOTES

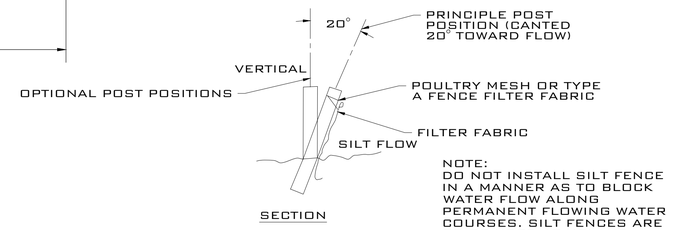
1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF MEXICO BEACH, FLORIDA OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
3. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.
4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.
5. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.
6. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
7. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS.
8. ALL UTILITY CONSTRUCTION SHALL MEET THE WATER AND WASTEWATER UTILITY STANDARDS OF THE UTILITY SERVICE PROVIDER IN THE PROJECT AREA.
9. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER.
10. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL GOVERNING BODY'S LAND DEVELOPMENT REGULATIONS.
11. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.
12. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.
13. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.
14. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION), AWWA SPECIFICATIONS, AND THE LOCAL GOVERNING BODY'S DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.
15. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.
16. THE CONTRACTOR SHALL NOTIFY THE LOCAL GOVERNING BODY AT LEAST 48 HOURS IN ADVANCE PRIOR TO BEGINNING OF CONSTRUCTION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION COMMENCEMENT NOTICE AND NOTIFYING THE ENGINEER OF THE CONSTRUCTION SCHEDULE.
18. SCE SHALL NOT BE RESPONSIBLE FOR ANY REQUIREMENTS SET FORTH BY THE ELECTRICAL UTILITY PROVIDER CONCERNING METER PLACEMENT OR ANY STRUCTURE RELATED TO THE METER READING/MAINTENANCE.
19. IT IS THE SOLE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO MEET ALL LOCAL, STATE, FEDERAL ELECTRICAL PROVIDER REQUIREMENTS CONCERNING THE ELECTRIC METER AND ANY RELATED STRUCTURE IN CONNECTION WITH THE ELECTRICAL METER.

EROSION CONTROL NOTES

1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE 'FLORIDA DEVELOPMENT MANUAL' AND THE 'FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL'.
2. THE CONTRACTOR SHALL ADHERE TO THE LOCAL GOVERNING BODY, F.D.E.P. AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP'S FROM THE 'FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL'.
3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.
4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.
6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
10. DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
11. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
12. A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.
13. ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.
14. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.
15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
17. EXCESS DIRT SHALL BE REMOVED DAILY.
18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS.
19. QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER.
20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

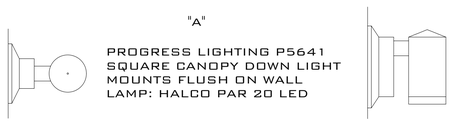


2 / G1 **SITE LAYOUT DETAIL**
1" = 5'



1 / G1 **TYPE III SILT FENCE**
N.T.S.

NOTE:
FOR ALL TYPE "A" LIGHTS A BLACK BAFFLE ACCESSORY IS TO BE INSTALLED. SEE CUT SHEETS PROVIDED FOR BLACK BAFFLE ACCESSORY.



EXTERIOR LIGHTING SCHEDULE

FIXTURE LABEL	MANUFACTURER AND CATALOG NUMBER	FIXTURE QUANTITY	LAMP TYPE, COLOR AND WATTAGE	FIXTURE MOUNTING TYPE	FIXTURE MOUNTING HEIGHT	STRUCTURE LOCATION	LOCATION OF FIXTURE	DRAWING SHEET NUMBER	LABELED CUT SHEET PROVIDED	BAFFLE ACCES.
"A"	PROGRESS LIGHTING P5641	4	HALCO PAR 20 AMBER LED, 7.2 WATTS	WALL	8' -0" FROM FLOOR	SEE ABOVE	SEE ABOVE	C5	YES	YES

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(850) 227-1297
LB# 29064

GENERAL NOTES

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

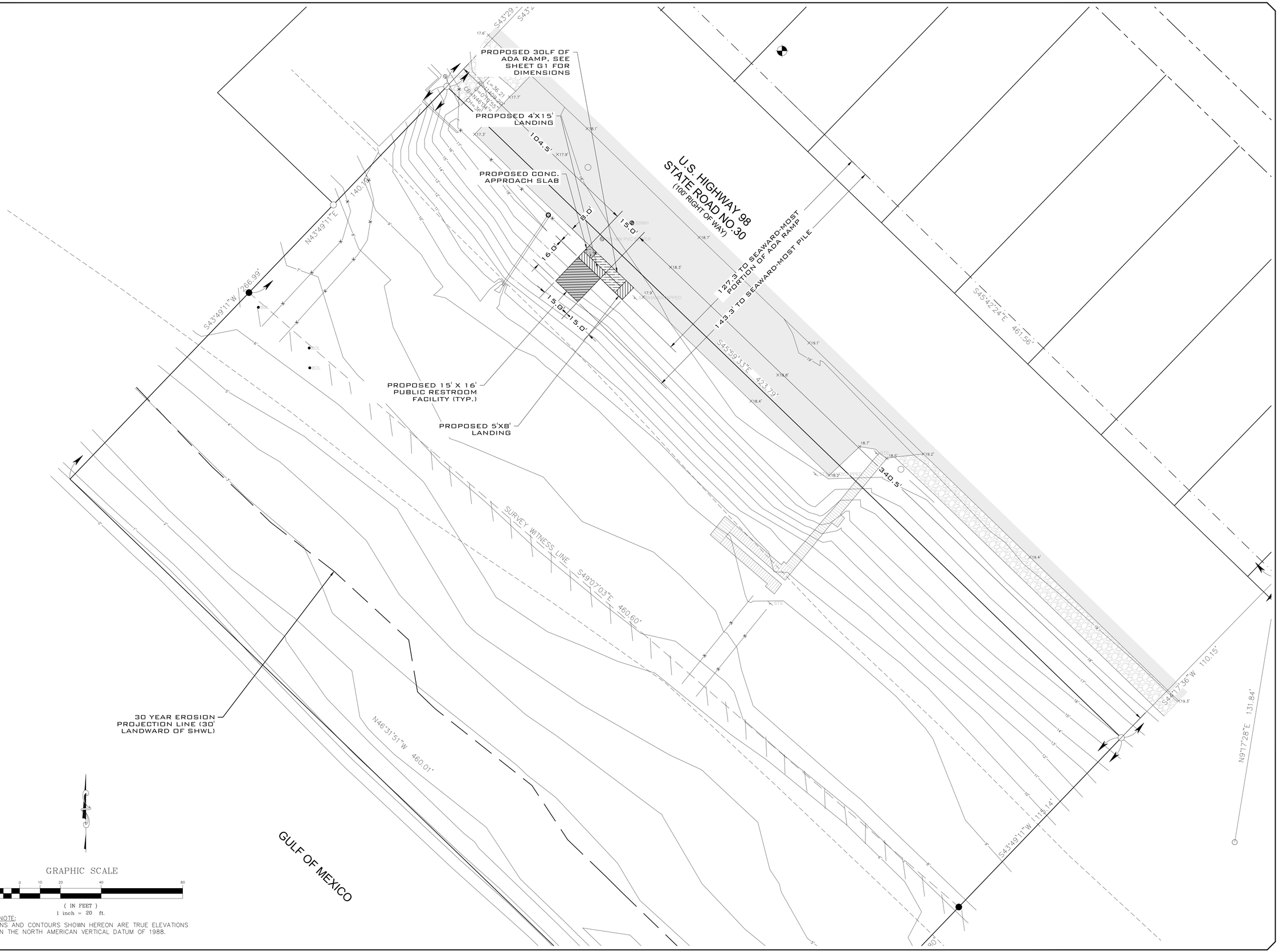
ITEM	BY	DATE

PROJECT NUMBER: 21-167-14
DESIGNED BY: H.B.
DRAWN BY: H.B.
CHECKED BY: J.HUSBAND

FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 3/16/22

SHEET NO.
G1



SURVEY NOTE:
ELEVATIONS AND CONTOURS SHOWN HEREON ARE TRUE ELEVATIONS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.

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SITE PLAN

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

PROJECT NUMBER: 21-167-14

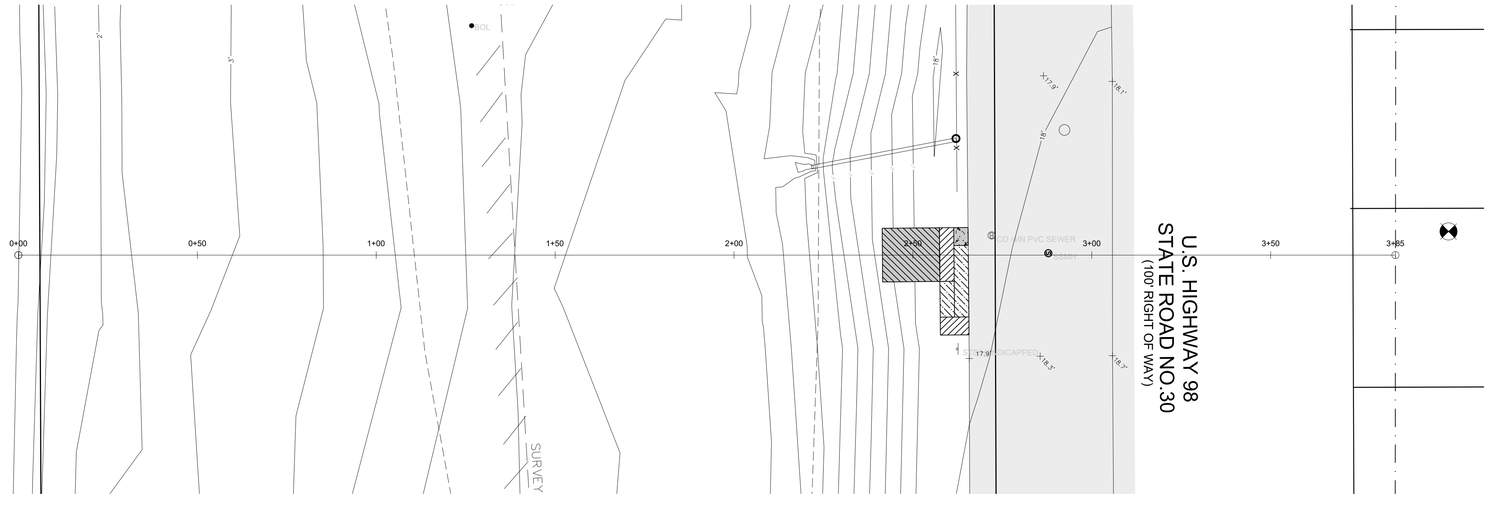
DESIGNED BY:	DRAWN BY:	CHECKED BY:
H.B.	H.B.	J.HUSBAND

FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

REVISIONS:			
ITEM	BY	DATE	

DATE: 3/16/22

SHEET NO.
C1



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

SURVEY NOTE:
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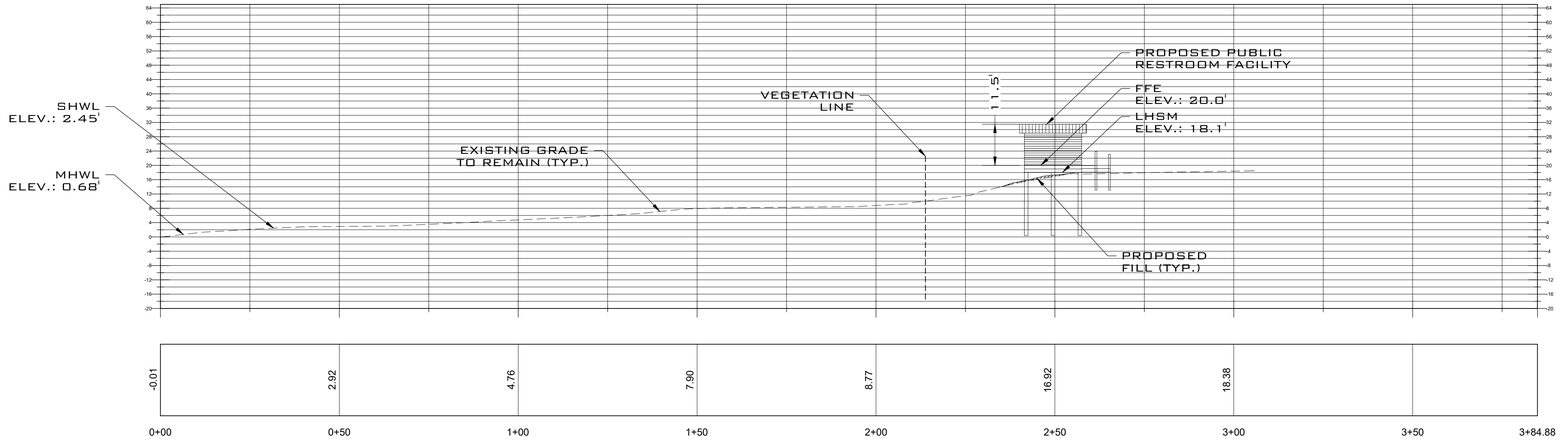

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 20'

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LB# 29064
LB# 29064

SITE PLAN & PROFILE

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

ITEM	BY	DATE

PROJECT NUMBER: 21-167-14
DESIGNED BY: H.B.
DRAWN BY: H.B.
CHECKED BY: J.HUSBAND

FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 3/16/22

SHEET NO.
C2

S. HIGHWAY 9
ATE ROAD NO.30
(100' RIGHT OF WAY)

MATCH
EXISTING ELEV.

17.0'

16.0'

FFE: 20.0'

15.0'

PROPOSED ±118 LF
OF TYPE III SILT FENCE
PER DETAIL 1-G1

S45°59'33

NOTE:

1. NO CONSTRUCTION, OPERATION, TRANSPORTATION OR STORAGE OF MATERIALS, AND NO TEMPORARY LIGHTING OF THE CONSTRUCTION AREA IS AUTHORIZED IN MARINE TURTLE NESTING HABITAT, SEAWARD OF THE DUNE CREST, AT ANY TIME DURING THE MARINE TURTLE NESTING SEASON. (MAY 1 THROUGH OCTOBER 31)
2. ALL CUT AND FILL PROVIDED IS FOR AREAS SEAWARD OF THE CCCL.
3. THE PROPOSED RESIDENCE WILL HAVE SEWER HOOKUP PROVIDED BY THE CITY OF MEXICO BEACH.
4. ALL TEMPORARY STORAGE OF CUT/EXCAVATION MATERIAL SHALL BE LOCATED AT THE MOST PRACTICAL LANDWARD PORTION WITHIN THE PROPOSED CONSTRUCTION LIMITS.
5. NO COMPACTION FACTORS HAVE BEEN TAKEN INTO ACCOUNT.
6. ALL PROPOSED FILL MATERIAL SHALL MEET THE SPECIFICATIONS/CRITERIA OF SUBSECTION 628-33.005(7), F.A.C.

CUT AND FILL TABLE

AREA	FILL CF	CUT CF	FILL CY	CUT CY
SITE GRADE	193.28	N/A	7.16	N/A
		TOTAL	7.16	N/A
		NET	7.16	N/A

GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
1 inch = 5 ft.

SURVEY NOTE:
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GRADING PLAN

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

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201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 3/16/22

SHEET NO.
C3

U.S. HIGHWAY 98
STATE ROAD NO.30
(100' RIGHT OF WAY)

PROPOSED PLANTS AND TREES				
SYMBOL	PLANT NAME	QTY.	SPACING	HEIGHT
	ILEX VOMITORIA YAUPON	MULTIPLE PLANTINGS	5.0' O.C.	>5.0'
	SABAL PALMETTO CABBAGE PALM	0	5.0' O.C.	>5.0'
	MYRICA CERIFERA WAX MYRTLE	MULTIPLE PLANTINGS	5.0' O.C.	>5.0'
	IPOMOEA IMPERATI BEACH MORNING GLORY	MULTIPLE PLANTINGS	5.0' O.C.	<1.0'
	UNICOLA PANICULATA SEA OATS *DISTICHLIS SPICATA* SALT GRASS *SPARTINA PATENS* MARSH HAY	MULTIPLE PLANTINGS	18" O.C. ALT. IN AREAS SHOWN	>2.0'

NOTE: EXISTING PLANTS AND TREES ARE TO BE REMOVED ONLY IN AREA OF PROPOSED CONSTRUCTION FENCE. ALL OTHER PLANTS/TREES ARE TO REMAIN UNDISTURBED

GRAPHIC SCALE

5 0 2.5 5 10 20

(IN FEET)
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PLANTING PLAN

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

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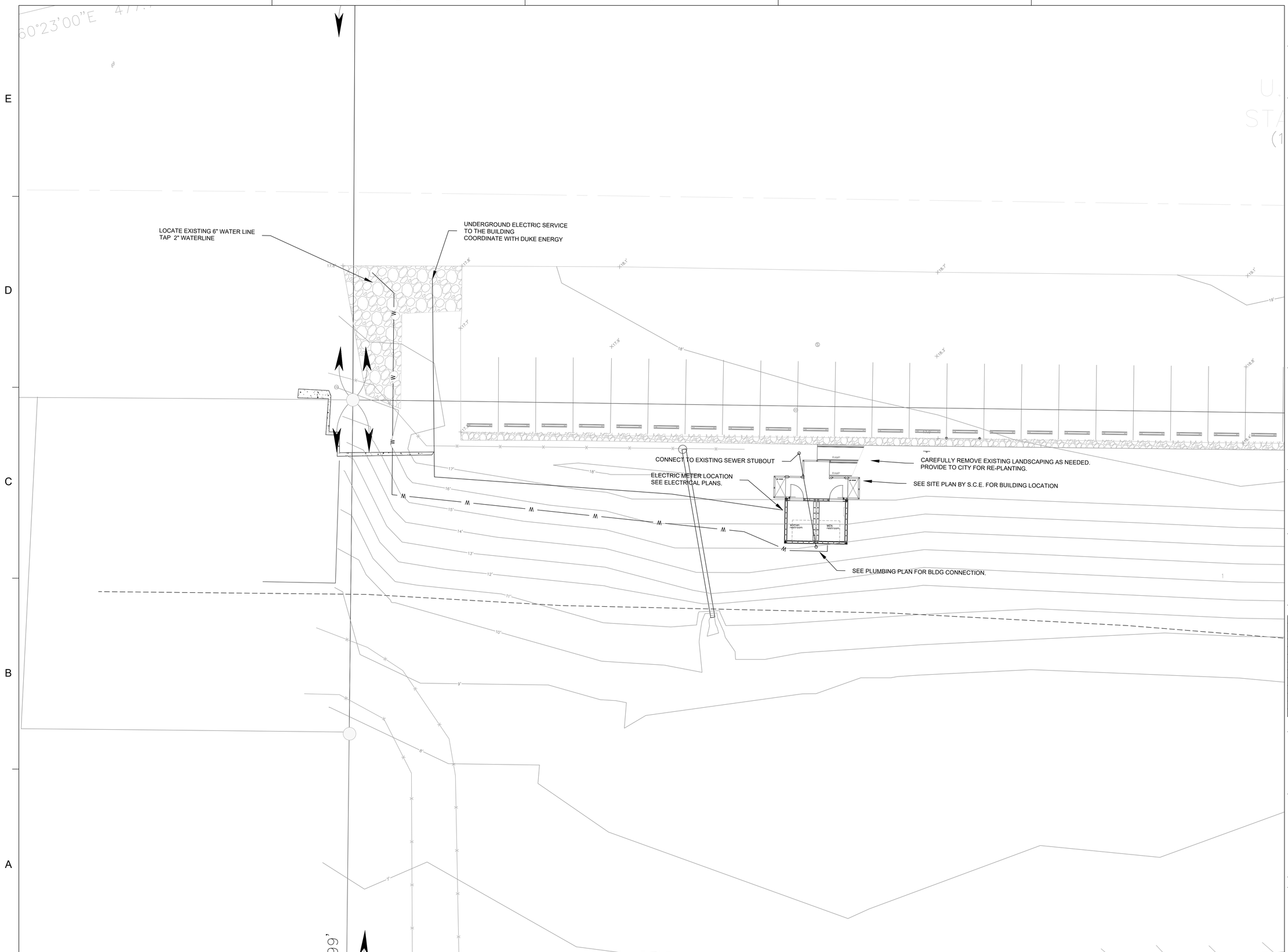
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 3/16/22

SHEET NO.
C4



Dewberry

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CITY OF MEXICO BEACH
7TH STREET BEACH RESTROOM
FEMA REPAIR
BAY COUNTY
FLORIDA

C:\USERS\DREISEN\DOCUMENTS\8TH STREET BATHROOMS\MEXICO BEACH 8TH STREET BEACH RESTROOM.DWG

SEAL

EB 0008794

FOR BIDDING

SCALE

0" 5' 10' 20'
SCALE: 1" = 10'

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY
APPROVED BY D.REISEN
CHECKED BY
DATE OCTOBER 2022

TITLE
UTILITY PLAN

PROJECT NO. 50112879

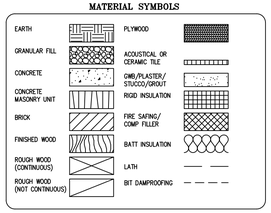
U-1

SHEET NO.

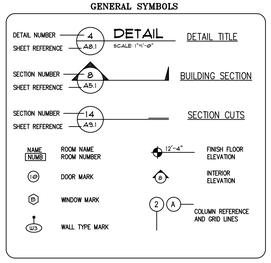
7TH STREET BEACH RESTROOMS
BAY COUNTY FLORIDA

SYMBOL LEGEND

MATERIAL SYMBOLS



GENERAL SYMBOLS



ABBREVIATIONS

@	AT	FDN	FOUNDATION	OC	ON CENTER(S)
ACT	ACOUSTICAL TILE	FE	FIRE EXTINGUISHER	OD	OUTSIDE DIAMETER
AD	AREA DRAIN	FEC	FIRE EXTINGUISHER CABINET	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
AE	ARCHITECT-ENGINEER	FF	FINISHED FLOOR	OFOI	OWNER FURNISHED OWNER INSTALLED
AFF	ABOVE FINISHED FLOOR	FHC	FIRE HOSE CABINET	OFCRI	OWNER FURNISHED CONTRACTOR ROUGH IN
AHU	AIR HANDLING UNIT	FIN	FINISH(ED)	OH	OVERHEAD
APPROX	APPROXIMATE	FIXT	FIXTURE	OPH	OPPOSITE HAND
ARCH	ARCHITECT(URAL)	FL	FLOOR	OPP	OPPOSITE
BD	BOARD	FT	FOOT/FEET	PL	PLATE
BIT	BITUMINOUS	FTG	FOOTING	PLAM	PLASTIC LAMINATE
BLDG	BUILDING			PR	PAIR
BLK	BLOCK	GA	GAGE/GAUGE	PT	PRESSURE TREATED
BLKG	BLOCKING	GALV	GALVANIZED	QT	QUARRY TILE
BM	BEAM	GL	GLASS/GLAZING		
BOT	BOTTOM	GWB	GYPSUM WALL BOARD	R	RISER/RADIUS
BRG	BEARING	GYP	GYPSUM	RD	ROOF DRAIN
BRK	BRICK			REC	RECESSED
BUR	BUILT UP ROOFING	HA	HANDICAP ACCESSIBLE	REINF	REINFORCED(ING)
CEM PL	CEMENT PLASTER	HDW	HARDWARE	REQ	REQUIRED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	HM	HOLLOW METAL	RES	RESILIENT
CHEM	CHEMICAL	HR	HOUR	REV	REVISE(SION)(D)
CJ	CONTROL JOINT/ CONSTRUCTION JOINT	HT	HEIGHT/HIGH	RM	ROOM
		HVAC	HEATING, VENTILATING AND AIR CONDITIONING	RO	ROUGH OPENING
CL	CENTER LINE	ID	INSIDE DIAMETER		
CLG	CEILING	IN	INCH	S	SOUTH
CMU	CONCRETE MASONRY UNIT	INSUL	INSULATE(D)(ION)	SC	SOLID CORE
COL	COLUMN	INT	INTERIOR	SECT	SECTION
CONC	CONCRETE			SIM	SIMILAR
CONF	CONFERENCE	JT	JOINT	SPEC	SPECIFICATION(S)
CONT	CONTINUE(OUS)			SQ	SQUARE
CPT	CARPET(ED)	L	LENGTH	SS	STAINLESS STEEL
CT	CERAMIC TILE	LAV	LAVATORY	STRUCT	STRUCTURAL
		LF	LINEAL FEET	SYS	SYSTEM
DEMO	DEMOLISH(TION)				
DET	DETAIL			T	TREAD
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	THK	THICK(NESS)
DIA	DIAMETER	MECH	MECHANIC(AL)	TO	TOP OF
DIM	DIMENSION	MET	METAL	TYP	TYPICAL
DIV	DIVISION	MFR	MANUFACTURE(R)		
DN	DOWN	MIN	MINIMUM	UC	UNDERCUT
DR	DOOR	MISC	MISCELLANEOUS	UL	UNDERWRITERS LABORATORY
DWG	DRAWING(S)			UON	UNLESS OTHERWISE NOTED
E	EAST	N	NORTH		
EA	EACH	NA	NOT APPLICABLE	VCT	VINYL COMPOSITION TILE
EJ	EXPANSION JOINT	NIC	NOT IN CONTRACT	VERT	VERTICAL
EL	ELEVATION	NO	NUMBER	VTR	VENT THRU ROOF
ELEC	ELECTRIC(AL)	NOM	NOMINAL	VWC	VINYL WALL COVERING
ELEV	ELEVATOR	NTS	NOT TO SCALE		
EQ	EQUAL			W	WEST/WIDTH
EQUIP	EQUIPMENT			W/	WITH
EWC	ELECTRIC WATER COOLER			W/O	WITHOUT
EXIST	EXISTING			WPT	WORK POINT
EXP	EXPOSED				
EXT	EXTERIOR				

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CODES REFERENCED IN THESE DOCUMENTS AND AS ADPOTED AND SUPPLEMENTED BY LOCAL REGULATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL BUILDING PERMITS FROM THE LOCAL BUILDING DEPARTMENTS AS REQUIRED BY CITY/COUNTY REGULATIONS. FEES FOR SUCH PERMITS SHALL BE PAID BY THE CONTRACTOR AND A SET OF APPROVED DRAWINGS AND ORIGINAL PERMITS SHALL BE RETAINED ON SITE FOR THE DURATION OF THE PROJECT.

3. THE DESIGN INFORMATION SHOWN ON THE DRAWINGS PROVIDES OVERALL DIMENSIONAL PARAMETERS AND DESCRIBES ELEMENTS TO BE CONSTRUCTED. THE CONTRACTOR SHALL ADJUST DIMENSIONS AND DETAILS AS REQUIRED TO FIT EXISTING CONDITIONS. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ALL PROPOSED MODIFICATIONS.

4. NO CHANGES TO THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE ARCHITECT OR ENGINEER, AS APPLICABLE.

5. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES ON THESE DOCUMENTS.

6. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF F.B.C. FOR SAFETY STANDARDS PERTAINING TO CONSTRUCTION PROCEDURES.

7. ALL GLAZING AND GLASS SHALL BE IMPACT RESISTANT GLASS. A FLORIDA APPROVED TESTING AGENCY MUST APPROVE AND LIST SUCH GLASS.

8. ALL EXTERIOR COMPONENTS SHALL HAVE FLORIDA APPROVAL NUMBERS.

SHOP DRAWINGS

COPIES OF ALL SHOP DRAWINGS FOR STRUCTURAL OR LIFE SAFETY RELATED COMPONENTS SHALL BE SUBMITTED TO THE ARCHITECT & OWNER FOR APPROVAL.

THE CONTRACTOR SHALL SUBMIT DETAILED FABRICATION AND INSTALLATION DRAWINGS AND PRODUCT LITERATURE FOR THE FOLLOWING ITEMS. ARCHITECT REVIEW OF SHOP DRAWING IS FOR COMPLIANCE OF THE PRODUCT WITH THE DESIGN CONCEPTS DELINEATED IN THESE DOCUMENTS. THE CONTRACTOR AND/OR PRODUCT MANUFACTURER SHALL BE RESPONSIBLE FOR THE ACCURACY AND PERFORMANCE OF THE PRODUCT AND ITS COORDINATION WITH THE OTHER TRADES.

1. STRUCTURAL STEEL
2. METAL STUD FRAMING
3. ROOF TRUSSES, LVL, & PRE-ENGINEERED BEAMS
4. REINFORCING STEEL
5. CONCRETE DESIGN MIXES
6. WATERPROOF MEMBRANES
7. RAILINGS & HANDRAILS
8. ARCHITECTURAL PRE-CAST OR PRE-FORMED COLUMNS
9. APPLIED FOAM TRIM, WINDOW/DOOR HEADS, AND ARCHITECTURAL DETAILING
10. BATHROOM ACCESSORIES & MIRRORS
11. ALL FOOR, WALL , AND CEILING FINISHES
12. ALL CABINETRY
13. ELEVATORS
14. STAIRS AND HANDRAILS
15. ALL HEATING & VENTILATING EQUIPMENT
16. ELECTRICAL FIXTURES & EQUIPMENT
17. ALL PLUMBING FIXTURES
18. DOORS, WINDOWS, AND ALL HARDWARE
19. FIREPLACES
20. APPLIANCES

PERFORMANCE STANDARDS

ALL MATERIALS, PRODUCTS AND THEIR INSTALLAITON SHALL MEET THE PRODUCT APPROVAL OF AND BE INSTALLED IN ACCORDANCE WITH THE STANDARDS ESTABLISHED BY THE FOLLOWING AGENCIES, AS APPLICALBE

ASTM AMERICAN SOCIETY OF TESTING MATERIALS
ACI - AMERICAN CONCRETE INSTITUE
AF&PA - AMERICAN FOREST & PAPER ASSSOCIATION
AISC - AMERICAN INSTITURE OF STEEL CONSTRUCTION
AWI - AMERICAN WOODWORK INSTITUTE
AWPB - AMERICAN WOOD PERSERVATIVES BUREAU
ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
AAMA - ARCHITECTURAL ALUMINUM MANUFACTURER'S ASSOCIATION
FBC - FLORIDA BUILDING CODE
GA - GYPSUM ASSOCIATION
LSC - LIFE SAFETY CODE
NER - NATIONAL EVALUATION SERVICE INC
NFPA - NATIONAL FIRE RPOTECTION ASSOCIATION
NDW - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
OSHA - OCCKUPATIONAL SAFETY AND HEALTH ACT
SJI - STEEL JOIST INSTITUE
TCA - TILE COUNCIL OF AMERICA
UL - UNERWRITERS LABORATORIES

BUILDING DESIGN DATA

APPLICABLE CODES

2020 FLORIDA BUILDING CODE BUILDING
2020 FLORIDA ACCESSIBILITY CODE
FLORIDA FIRE PREVENTION CODE

ARCHITECT

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(850) 630.4483
AR 0012593
RAJARCH@MSN.COM

INDEX OF DRAWINGS

OWNER REVIEW
PERMIT DOCUMENTS
09.01.22

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DATE
DRAWN | REVIEWED
REVISIONS
NO. | DATE
PROJECT #

A NEW RESTROOM ON 7TH STREET
MEXICO BEACH
BAY COUNTY FLORIDA

STATE OF FLORIDA
RUSSELL A JOHNSON
AR0012593
REGISTERED ARCHITECT

A - 101

LEGEND

1. ADA COMPLIANT RAMP - REFER TO CIVIL DRAWINGS

2. COVERED ENTRY DECK - PROVIDE 6" W TREX DECKING
COLOR AS SELECTED BY OWNER - ATTACH W/
STAINLESS STEEL MARINE GRADE SCREWS

3. 2 X 6 SYP#2 WOOD FRAMED WALL - REFER TO
REFER TO STRUCTURAL DRAWINGS FOR DETAILING
PROVIDE R 19 INSULATION
PROVIDE VAPOR BARRIER AND
FIBERCEMENT SMOOTH PANELS INTERIOR
FIBERCEMENT SMOOTH PANELS EXTERIOR

4. 8X8 PT COLUMN - REFER TO STRUCTURAL DRAWINGS
FOR CONNECTION DETAILS - CHAMFER ALL EXPOSED EDGES

5. 42" H RAILINGS - CABLE RAILING SYSTEM BY "VIEWRAIL" OR APPROVED EQUAL
CABLES TO BE 2205 GRADE COASTAL STAINLESS STEEL, MAX 3" SPACING
SUPPORTS SHALL BE STAINLESS STEEL 2205 SERIES, SIDE MOUNT
ALL HARDWARE SHALL BE STAINLESS STEEL.
HANDRAIL SHALL BE 2" X 1" 2205 STAINLESS STEEL "VIEWRAIL" PRODUCT.
POST SPACING SHALL BE PER MANUFACTURER'S REQUIREMENTS TO MEET
FLORIDA BUILDING CODE 2020.

6. 3-0 W X 8-0 H FIBERGLASS DOOR - IMPACT RATED
WITH FLORIDA PRODUCT APPROVAL NUMBER
"MAHOGANY PLANK" - POWDER COATED FRAME, BLACK
COMPOSITE FRAME MEETING CODE REQUIREMENTS ARE
ACCEPTABLE. PROVIDE SS CLOSER, SS HINGES, SS COMPLIANT
LEVER LOCKSET (LOCKABLE FROM THE INTERIOR), WEATHER
SEAL AND ALUMINUM ADA COMPLIANT THRESHOLD.
ALL HARDWARE SHALL BE HEAVY DUTY COMMERCIAL
GRADE AND SHALL BE APPROVED BY OWNER PRIOR
TO BIDDING/PURCHASING.

7. ALUMINUM LOUVERS W/ BIRD SCREEN, BLACK COASTAL RATED FINISH -
PROVIDE 1 X 4 AZTEK OR EQUAL PAINTED TRIM TO MATCH DOOR
COORDINATE W/ MECHANICAL DRAWINGS

8. HARDIE ARCHITECTURAL PANELS - REFER TO ELEVATIONS
- PAINTED WHITE

9. PLUMBING FIXTURES - ADA COMPLIANT - REFER TO A105
SUBMIT SHOP DRAWINGS TO OWNER FOR APPROVAL
PRIOR TO PURCHASE

10. CONCRETE FLOOR - SEALED W/ EPOXY COATING
TURN EPOXY COATING 8" AT WALLS, PROVIDE COVE BASE
OR APPROVED EQUAL

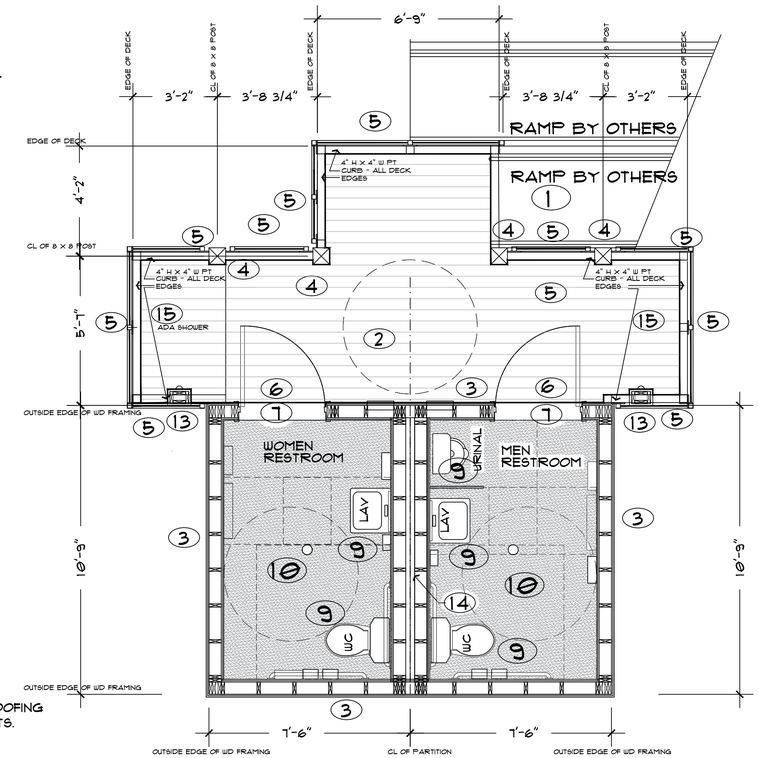
11. EXPOSED BEAM ENDS - TAPER AS INDICATED

12. METAL ROOFING ON STRUCTURAL DECKING PER STRUCTURAL DRAWINGS.
ON SYNTHETIC CODE APPROVED UNDERLAYMENT. W/ METAL DRIP EDGE MATCHING ROOFING
PROVIDE A METAL FASCIA MATCHING ROOFING AS REQUIRED TO CONCEAL ROOF JOISTS.
ROOFING TO BE ALUMINUM STANDING SEAM, CONCEALED FASTENER
WITH A FLORIDA PRODUCT APPROVAL NUMBER, ATTACHED
PER THE MANUFACTURER'S REQUIREMENTS TO MEET WIND LOADS.
ROOFING SHALL BE A COMPLETE ASSEMBLY WITH ALL FLASHINGS, ETC
ROOFING FINISH SHALL BE FLUROTHANE COASTAL COATING
PREMIUM FLUOROPOLYMER (PVDF) SYSTEM BY VALSPAR
WITH A MINIMUM COASTAL WARRANTY 20/20/20
OR APPROVED EQUAL

13. PROVIDE S.S. SHOWER CONTROLS
HIDDEN WITHIN AN 8FT TALL "COLUMN"
CONSTRUCTED W/ (4) 2X6 PT VERTICALS
ENCASED W/ PAINTED HARDIE TRIM

14. (2) ROWS 2 X 6 WOOD FRAMED WALL - PROVIDE SMOOTH
FIBER CEMENT PANELS FOR INTERIOR SURFACES
OVER 1/2" PT PLYWOOD SHEATHING
PROVIDE 1 X 4 AZTEK FLOOR BASE
PROVIDE (2) ROWS OF 4" SOUND INSULATION

15. OUTDOOR SHOWER - ADA COMPLIANT
PROVIDE UNDER DECK DRAIN SYSTEM
TO COLLECT WATER TO FLOOR DRAIN
COORDINATE W/ PLUMBING DRAWINGS



NOTE: PROVIDE ROOM IDENTIFICATION SIGNS MEETING ADA & FBC 2020 REQUIREMENTS. SUBMIT FULL SHOP DRAWINGS TO OWNER FOR APPROVAL.

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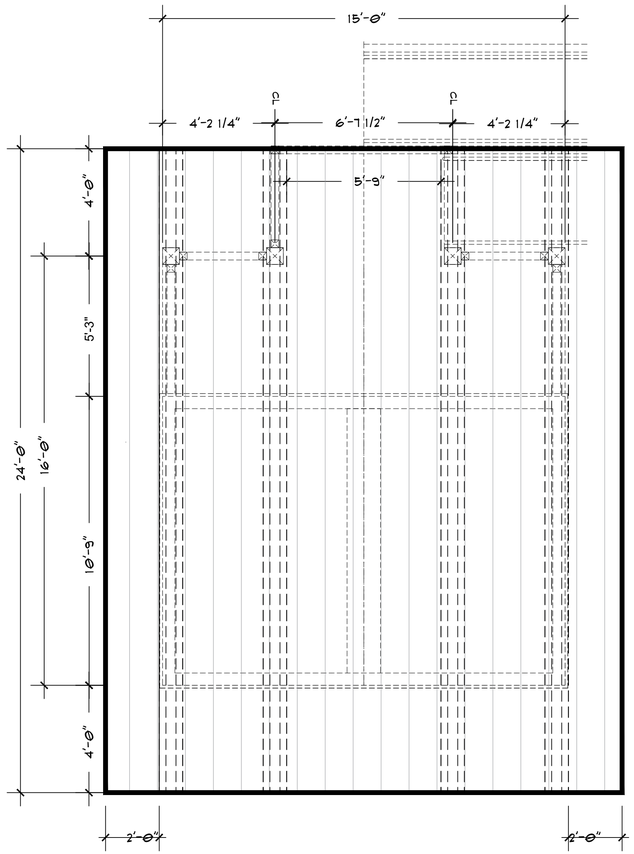
RESTROOMS
7TH STREET

A - 101

FLOOR PLAN

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



METAL ROOFING ON STRUCTURAL DECKING PER STRUCTURAL DRAWINGS.
ON SYNTHETIC CODE APPROVED UNDERLAYMENT. W/ METAL DRIP EDGE MATCHING ROOFING
PROVIDE A METAL FASCIA MATCHING ROOFING AS REQUIRED TO CONCEAL ROOF JOISTS.
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WITH A FLORIDA PRODUCT APPROVAL NUMBER, ATTACHED
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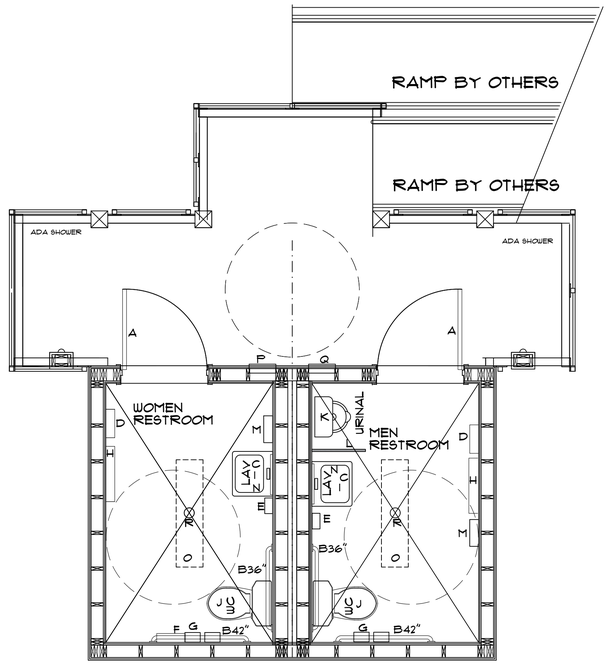
ROOFING SHALL BE A COMPLETE ASSEMBLY WITH ALL FLASHINGS, ETC
ROOFING FINISH SHALL BE FLUROTHANE COASTAL COATING
PREMIUM FLUOROPOLYMER (PVDF) SYSTEM BY VALSPAR
WITH A MINIMUM COASTAL WARRANTY 20/20/20
OR APPROVED EQUAL



BATHROOM ACCESSORIES - FLOOR PLAN

BATHROOM ACCESSORY PRODUCT SELECTION SCHEDULE

NOTE: Specified products listed are for design intent/quality control, approved equals are accepted as approved by owner. Submit complete shop drawings and specs for owner review and approval. All accessories shall be ADA compliant.

- A COAT HOOK Bobrick B-6707 satin finished stainless steel finished single utility/coat hook.
- B GB; Bobrick B-6806.99 series peened satin stainless steel finished grab bars for accessible toilet size 42" L side wall, 36" L back wall
- C MIR FR SH, Bobrick B-292 1830 seried welded satin stainless steel finish framed mirror with 5" shelf, 18" x 30".
- D Bobrick 316 satin stainless steel finished surface mounted waste receptacle
- E SDISP, Bobrick B-2111 classic series surface mounted soap dispensers with satin stainless steel finish.
- F SND, Bobrick B-270 contura series surface mounted satin stainless steel finish sanitary napkin dispenser.
- G TPH; Bobrick B-6867 classic series surface mounted satin stainless steel finish two roll toilet paper holder.
- H ADA COMPLIANT American Specialties, Inc 10-9014 Plastic Surface Mount Horizontal baby station
- I ADA COMPLIANT LAV (exposed piping shall be insulated per ada requirements) w/ faucet.....
- J ADA COMPLIANT WATER CLOSET - KOHLER Persuade Curv Comfort Height or owner approved equal.
- K ADA COMPLIANT WALL MOUNTED URINAL - kohler Steward Hybrid K-5244-ET-0 or owner approved equal
- L 24" w x 42" H WALL MOUNTED PHENOLIC PARTITION W/ SS MOUNTING BRACKETS
- M WALL MOUNTED HAND DRYER - EXCEL THINAIR HAND DRYERMODEL NO. TA-SB w/ white ABS cover, ... wall mounted, ADA COMPLIANT
- N Wall mounted tankless water heater - locate beneath LAV - refer to mep drawings
- O SURFACE MOUNTED light fixture - refer to electrical drawings
- P Lockable Electrical Panel - refer to electrical drawings
- Q Recessed Fire extinguisher in ss cabinet
- R Floor drain - slope floor to drain 1/8" / ft. Coordinate w/ plumbing drawings

NOTE: REFER TO MECH & ELEC DRAWINGS FOR WATER HEATERS, HEATERS, EXHAUST FANS, ALL LIGHT FIXTUES, ETC

ACCESSORIES ROOF PLAN

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

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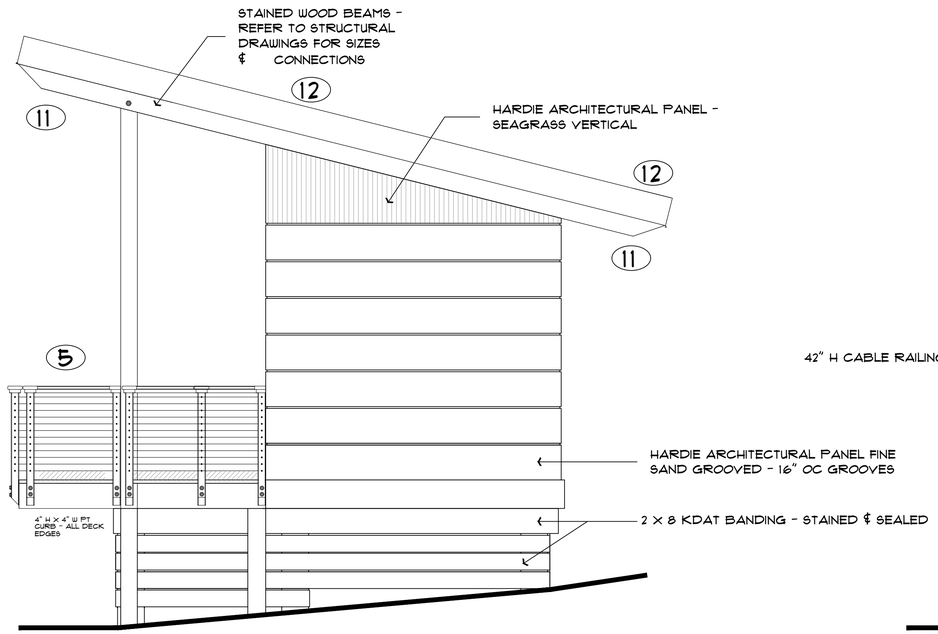
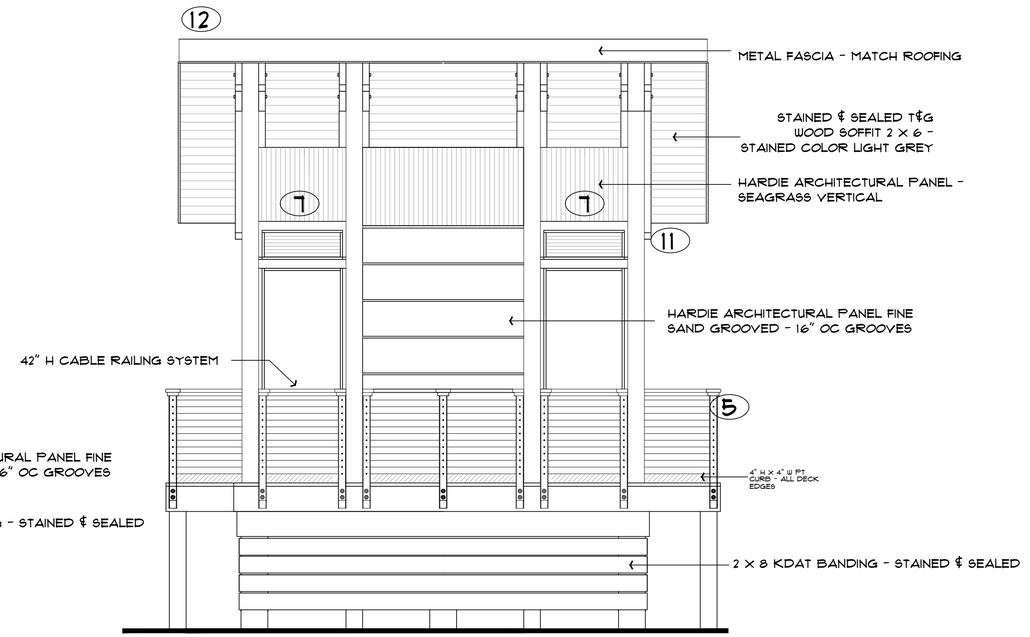
RESTROOMS
7TH STREET

A - 102



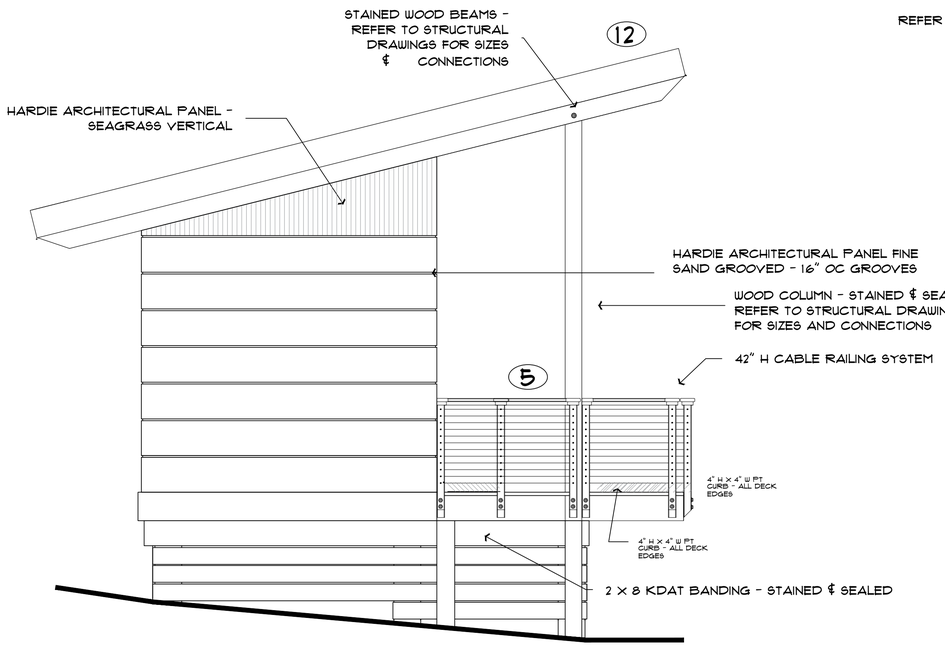
RIGHT SIDE ELEVATION

NOTE: RAMP NOT SHOWN FOR CLARITY
REFER TO CIVIL DRAWINGS FOR RAMP DESIGN



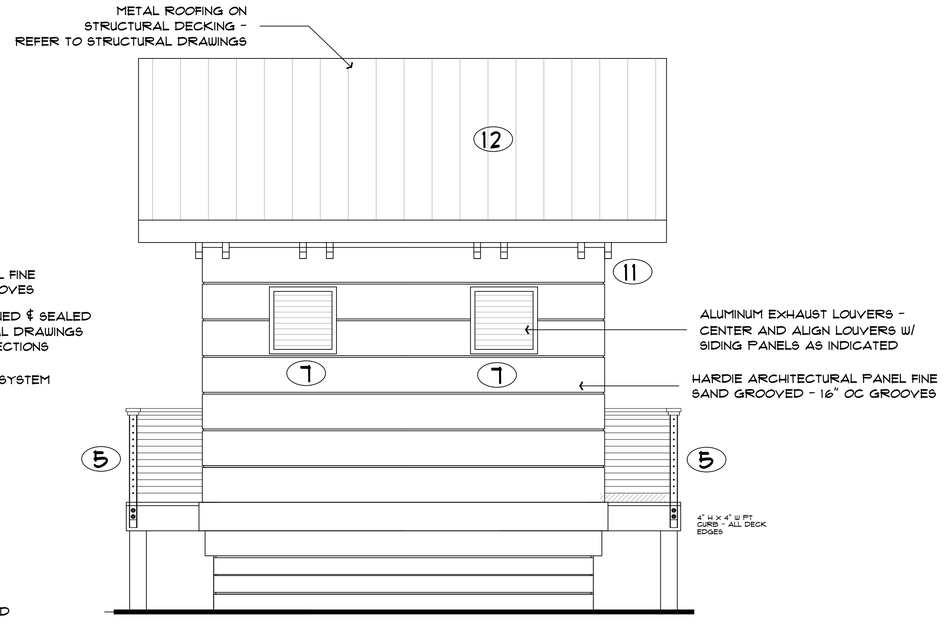
FRONT ELEVATION

NOTE: RAMP NOT SHOWN FOR CLARITY
REFER TO CIVIL DRAWINGS FOR RAMP DESIGN



LEFT SIDE ELEVATION

NOTE: RAMP NOT SHOWN FOR CLARITY
REFER TO CIVIL DRAWINGS FOR RAMP DESIGN



REAR ELEVATION

NOTE: RAMP NOT SHOWN FOR CLARITY
REFER TO CIVIL DRAWINGS FOR RAMP DESIGN

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

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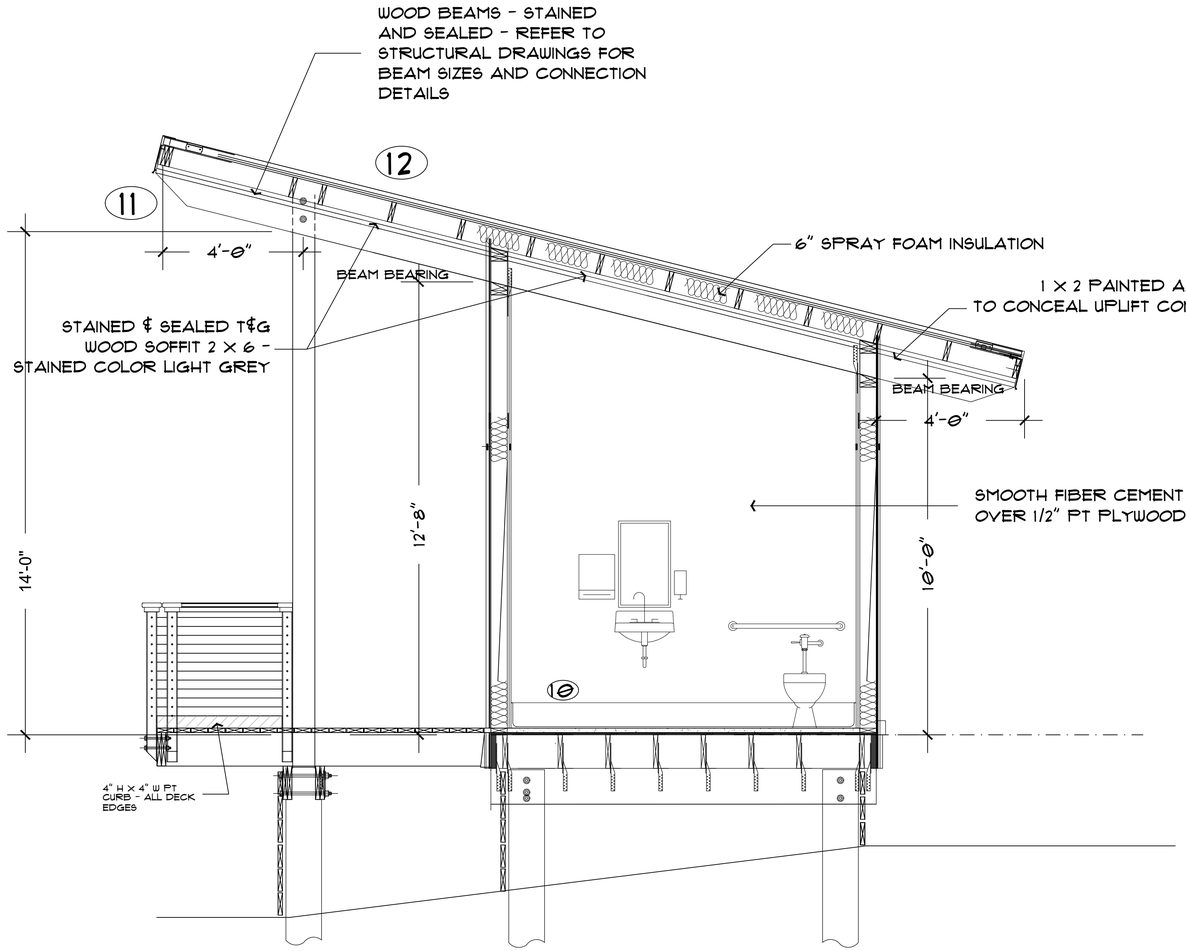
RESTROOMS
7TH STREET

A - 103

LEGEND

1. ADA COMPLIANT RAMP - REFER TO CIVIL DRAWINGS
2. COVERED ENTRY DECK - PROVIDE 6" W TREX DECKING
   COLOR AS SELECTED BY OWNER - ATTACH W/
   STAINLESS STEEL MARINE GRADE SCREWS
3. 2 X 6 SYP#2 WOOD FRAMED WALL - REFER TO
   REFER TO STRUCTURAL DRAWINGS FOR DETAILING
   PROVIDE R 19 INSULATION
   PROVIDE VAPOR BARRIER AND
   FIBERCEMENT SMOOTH PANELS INTERIOR
   FIBERCEMENT SMOOTH PANELS EXTERIOR
4. 8X8 PT COLUMN - REFER TO STRUCTURAL DRAWINGS
   FOR CONNECTION DETAILS - CHAMFER ALL EXPOSED EDGES
5. 42" H RAILINGS - CABLE RAILING SYSTEM BY "VIEWRAIL" OR APPROVED EQUAL
   CABLES TO BE 2205 GRADE COASTAL STAINLESS STEEL, MAX 3" SPACING
   SUPPORTS SHALL BE STAINLESS STEEL 2205 SERIES, SIDE MOUNT
   ALL HARDWARE SHALL BE STAINLESS STEEL
   HANDRAIL SHALL BE 2" X 1" 2205 STAINLESS STEEL "VIEWRAIL" PRODUCT.
   POST SPACING SHALL BE PER MANUFACTURER'S REQUIREMENTS TO MEET
   FLORIDA BUILDING CODE 2020.
6. 3-0 W X 8-0 H FIBERGLASS DOOR - IMPACT RATED
   WITH FLORIDA PRODUCT APPROVAL NUMBER
   "MAHOGANY PLANK" - POWDER COATED FRAME, BLACK
   COMPOSITE FRAME MEETING CODE REQUIREMENTS ARE
   ACCEPTABLE. PROVIDE SS CLOSER, SS HINGES, SS COMPLIANT
   LEVER LOCKSET (LOCKABLE FROM THE INTERIOR), WEATHER
   SEAL AND ALUMINUM ADA COMPLIANT THRESHOLD.
   ALL HARDWARE SHALL BE HEAVY DUTY COMMERCIAL
   GRADE AND SHALL BE APPROVED BY OWNER PRIOR
   TO BIDDING/PURCHASING.
7. ALUMINUM LOUVERS W/ BIRD SCREEN, BLACK COASTAL RATED FINISH -
   PROVIDE 1 X 4 AZTEK OR EQUAL PAINTED TRIM TO MATCH DOOR
   COORDINATE W/ MECHANICAL DRAWINGS
8. HARDIE ARCHITECTURAL PANELS - REFER TO ELEVATIONS
   - PAINTED WHITE
9. PLUMBING FIXTURES - ADA COMPLIANT - REFER TO A105
   SUBMIT SHOP DRAWINGS TO OWNER FOR APPROVAL
   PRIOR TO PURCHASE
10. PROVIDE CONCRETE FLOORING, 1.5" MAX OVER WOOD SUBFLOOR.
    CONCRETE SHALL BE A MANUFACTURED SYSTEM INCLUDING THE
    CONCRETE/ PRIMER / LATH ETC AS REQUIRED BY THE MANUFACTURER
    FOR A COMPLETE SYSTEM. SUBMIT FULL SHOP DRAWINGS & SPECS FOR
    OWNER APPROVAL. SLOPE TO FLOOR DRAINS. WOOD SUBFLOOR
    SHALL BE PER STRUCTURAL DRAWINGS, BUT A MIN. OF 3/4" THICK, T&G
    UNTREATED APA-RATED, TYPE 1, EXTERIOR GRADE PLYWOOD. PROVIDE
    AN EPOXY OR APPROVED EQUAL COATING W/ NON-SLIP ADDITIVES TO
    MEET OR EXCEED ADA & OSHA WET AND DRY DCOF STANDARDS.
    PROVIDE A 6" RUBBER BASE (BLACK) W/ COVE TRANSITION TO EPOXY
    FLOORING. COORDINATE TOTAL FLOOR THICKNESS W/ ADA COMPLIANT
    DOOR THRESHOLD.
11. EXPOSED RAFTER TAILS - TAPER AS INDICATED
12. METAL ROOFING ON STRUCTURAL DECKING PER STRUCTURAL DRAWINGS.
    ON SYNTHETIC CODE APPROVED UNDERLAYMENT. W/ METAL DRIP EDGE MATCHING ROOFING
    PROVIDE A METAL FASCIA MATCHING ROOFING AS REQUIRED TO CONCEAL ROOF JOISTS.
    ROOFING TO BE ALUMINUM STANDING SEAM, CONCEALED FASTENER
    WITH A FLORIDA PRODUCT APPROVAL NUMBER, ATTACHED
    PER THE MANUFACTURER'S REQUIREMENTS TO MEET WIND LOADS.
    ROOFING SHALL BE A COMPLETE ASSEMBLY WITH ALL FLASHINGS, ETC
    ROOFING FINISH SHALL BE FLUROTHANE COASTAL COATING
    PREMIUM FLUOROPOLYMER (PVDF) SYSTEM BY VALSPAR
    WITH A MINIMUM COASTAL WARRANTY 20/20/20
    OR APPROVED EQUAL
13. LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS
14. (2) ROWS 2 X 6 WOOD FRAMED WALL - PROVIDE SMOOTH
    FIBER CEMENT PANELS FOR INTERIOR SURFACES
    OVER 1/2" PT PLYWOOD SHEATHING
    PROVIDE 1 X 4 AZTEK FLOOR BASE
    PROVIDE (2) ROWS OF 4" SOUND INSULATION
15. OUTDOOR SHOWER - ADA COMPLIANT
    PROVIDE UNDER DECK DRAIN SYSTEM
    TO COLLECT WATER TO FLOOR DRAIN
    COORDINATE W/ PLUMBING DRAWINGS
16. PROVIDE S.S. SHOWER CONTROLS
    HIDDEN WITHIN AN 8FT TALL "COLUMN"
    CONSTRUCTED W/ (4) 2X6 PT VERTICALS
    ENCASED W/ PAINTED HARDIE TRIM



BUILDING SECTION

BUILDING SECTION

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

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RESTROOMS
7TH STREET

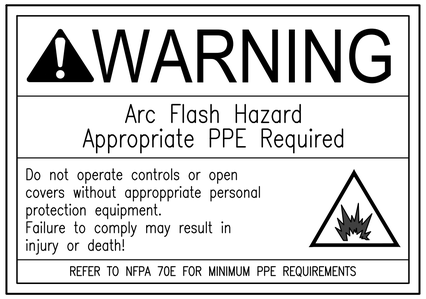
A - 104

MANUFACTURERS CONSIDERED EQUAL MUST SUBMIT TO ENGINEER 10 DAYS PRIOR TO BID FOR APPROVAL.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG No. (or approved equal)	LAMPS No.	LAMPS TYPE	MOUNTING	REMARKS
BPW	OWL-EM-BZ-MB		LED 600 LUMEN	CEILING RECESSED	WET LOCATION LED EMERGENCY LIGHT, UNIVERSAL VOLTAGE BALLAST
LW	LCD VSA4-4000-1W43-40-80-VAR-DM-OP-WH-PH-65		36W LED ARRAY 4100 LUMEN/4000K	CEILING SURFACE	1' X 4' SURFACE MOUNTED LED STAIRWELL WRAP, 120V
LWE	LCD VSA4-4000-1W43-40-80-VAR-DM-OP-WH-PH-65-EM		36W LED ARRAY 4100 LUMEN/4000K	CEILING SURFACE	1' X 4' SURFACE MOUNTED LED STAIRWELL WRAP, 120V
WB	KIRLIN TST-07180-LED(590nm)-BV		20W LED ARRAY 506 LUMEN/4000K	CEILING SURFACE	WALL MOUNTED AREA TURTLE SAFE LIGHT, 590nm AMBER LED, FINISH SELECTED BY ARCHITECT

NOTE: NO EQUALS WILL BE ALLOWED FOR TURTLE LIGHTING



TYPICAL ARC FLASH HAZARD LABEL DETAIL

NOT TO SCALE

ARC FLASH LABEL DETAIL NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ALL PANEL AND SWITCHBOARDS IN ACCORDANCE WITH NEC 110.16 AND NFPA 70E.
2. LABELING MAY BE COMPLETED BY EQUIPMENT MANUFACTURER, VENDOR, OR CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL PANELS AND SWITCHBOARDS ARE LABELED IN THE FIELD.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

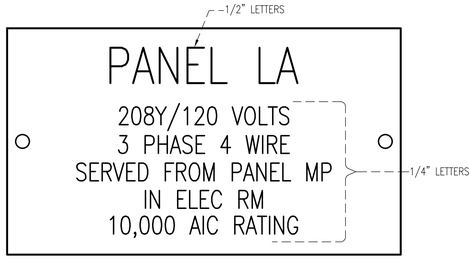
120/240 VOLT 1ø 3W
100 AMP MAIN BREAKER

CIRCUIT BREAKER PANEL SCHEDULE LOADCENTER M7

FLUSH MOUNTED
NEMA 3R ENCLOSURE
PROVIDE LOCKABLE COVER

CKT	LOAD DESCRIPTION	BREAKER POLE	BREAKER AMP	LOAD KVA		BREAKER AMP	BREAKER POLE	LOAD DESCRIPTION	CKT
1	EF-1 (1/4HP)	1	20	.70	1.00	15	2	WOMEN'S WALL HEATER	2
3	EF-2 (1/4HP)	1	20	.70					4
5	LTS-RESTROOMS, EXTERIOR	1	20	.50	1.00	15	2	MEN'S WALL HEATER	6
7	REC-EXTERIOR	1	20	.18					8
9	SPARE	1	20		4.16	30	2	WOMEN'S IWH-1	10
11	SPARE	1	20						12
13	SPARE	1	20		4.16	30	2	MEN'S IWH-1	14
15	SPARE	1	20						16
17	SPACE	1	--			--	1	SPACE	18
19	SPACE	1	--			--	1	SPACE	20
21	SPACE	1	--			--	1	SPACE	22
23	SPACE	1	--			--	1	SPACE	24

TOTAL CONNECTED LOAD: 12.40 KVA
MINIMUM INTERRUPTING CAPACITY: 10,000 AMPS SYMMETRICAL



TYPICAL ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL

NOT TO SCALE

ELECTRICAL EQUIPMENT IDENTIFICATION DETAIL NOTES:

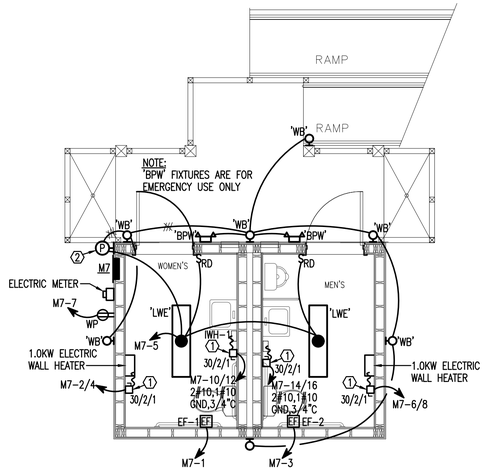
1. MECHANICALLY AFFIX NAMEPLATE TO PANELBOARDS, CONTROL PANELS, MOTOR CONTROL CENTERS, DISCONNECTS, STARTERS OR SIMILAR DEVICES.
2. LETTERS SHALL BE WHITE ON BLACK BACKGROUND; SIZE OF LETTERS INDICATED ON DETAIL.
3. INFORMATION IN LABEL IS A GENERIC EXAMPLE – DESIGNATE EQUIPMENT IN A SIMILAR WAY USING RELEVANT INFORMATION (NAME OF PANEL, VOLTS, PHASE, LOCATION, AIC RATING ETC.) ACCORDING TO EACH INDIVIDUAL LOCATION OF EQUIPMENT.

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
2. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
3. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
4. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
5. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, DISCONNECTS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
6. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
7. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
8. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
9. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
10. THE GENERAL CONTRACTOR SHALL NOTIFY THE COR IMMEDIATELY OF ANY CONFLICTS/DISCREPANCIES BETWEEN DISCIPLINES BEFORE ORDERING EQUIPMENT/MATERIALS.
11. ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER.
12. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS FOR VOLTAGE, AMPERAGE, PHASE, RECEPTACLES, ETC. PRIOR TO CONNECTING OWNER FURNISHED EQUIPMENT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FURNISHED EQUIPMENT PRIOR TO CONNECTING EQUIPMENT.
13. FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
14. OBTAIN OWNER'S APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
15. THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.
16. ALL CONDUCTORS LESS THAN 100A. SHALL BE COPPER #12 & #10 SOLID, #8 AND LARGER STRANDED, #6 AND SMALLER TO BE TYPE TW, 600 VOLT INSULATION AND TYPE THW FOR #4 AND LARGER.
17. EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED IN ALL BRANCH CIRCUIT WIRING. CONDUIT GROUND SHALL NOT BE ACCEPTABLE.

ELECTRICAL LEGEND

"A"	SURFACE MOUNTED LINEAR LED FIXTURE, MARK 'A'
	SURFACE MOUNTED LINEAR LED FIXTURE WITH EMERGENCY UNIT BATTERY PACK
EF	EXHAUST FAN
WP	DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE
G	DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 48" A.F.F. UNLESS NOTED OTHERWISE
	WALL MOUNTED H.I.D. AREA LIGHT
	RUN CONCEALED UNDERGROUND
LA-1	HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 3/4" C; 3 #12, 1 #12 GROUND – 1/2" C; 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
	LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
	SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO STRUCTURE LINES
J	JUNCTION BOX
	120/240 VOLT FLUSH MOUNTED PANELBOARD
	NON-FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
A.F.F.	ABOVE FINISH FLOOR
WP	WEATHERPROOF
U.N.O.	UNLESS NOTED OTHERWISE

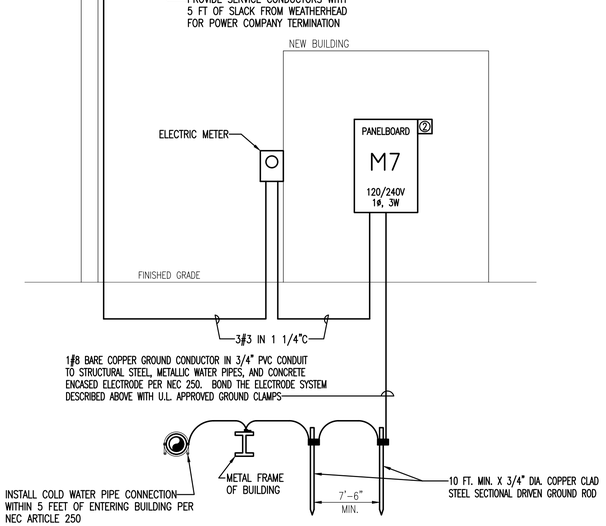


ELECTRICAL PLAN
7TH ST BEACH RESTROOM

SCALE: 1/4"=1'-0"

KEYNOTES:

1. INSTALL SMALL FORM DISCONNECT WITH LOCKABLE HASP
2. SIDEWALL MOUNTED PHOTOCELL EQUAL TO TORK #2101; INSTALL PER MANUFACTURER'S RECOMMENDATIONS
3. 2#10,1#10 GND, 3/4"C



POWER RISER DIAGRAM
7TH STREET BEACH RESTROOM

NOT TO SCALE

POWER RISER DIAGRAM KEYNOTES:

1. INSTALL POLE PER ELECTRIC UTILITY COMPANY REQUIREMENTS. COORDINATE WITH ELECTRIC UTILITY COMPANY.
2. PROVIDE INTEGRAL SURGE SUPPRESSOR DEVICE IN PANEL WITH 40KA PER MODE/ 80KA PER PHASE, INDICATING LIGHTS AND ALARM SURGE COUNTER. SURGE SUPPRESSOR SHALL BE EATON SPC SERIES, VERIFY VOLTAGE AND PHASES. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

YATES ENGINEERING SOLUTIONS
7159 Blue Jack Dr.
Navarre, FL 32566
FBPE Authorization No. 30242
Phone: (850)512-9579
Email: quinn@yatesesng.com
FL PE No: 60826

CERTIFICATION:

7th STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FL 32410

PROJECT #2249

DATE ISSUED: 10/10/2022

FOR CONSTRUCTION

REVISIONS:

No.	DATE

SHEET TITLE
ELECTRICAL LEGEND, NOTES, & POWER RISER DIAGRAM

SHEET No.

E-1

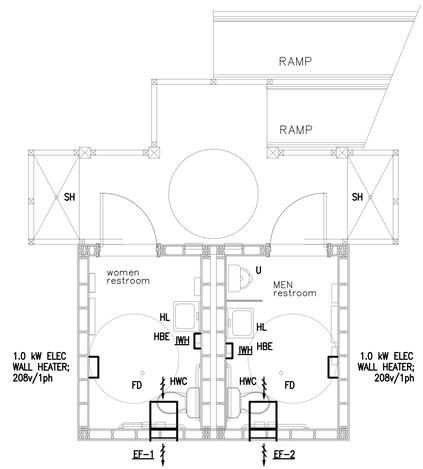
VENTILATION FAN SCHEDULE

MARK	CFM	S.P. "W.G.	MIN. POWER	VOLTAGE/ PHASE	MAX. RPM	MAX. SONES	FAN TYPE	DRIVE TYPE	EQUAL TO GREENHECK	CONTROL OR INTERLOCK	NOTES
EF-1, 2	150	0.50	1/4 HP	120/1	1089	9.6	PROP	DIRECT	AER-20-03-0605 VG	T'STAT/MOTION	1, 2
EF-3, 4	225	0.50	1/4 HP	120/1	1119	10.1	PROP	DIRECT	AER-20-03-0605 VG	T'STAT/MOTION	1, 2
EF-5, 6	300	0.50	1/4 HP	120/1	1150	10.8	PROP	DIRECT	AER-20-03-0605 VG	T'STAT/MOTION	1, 2

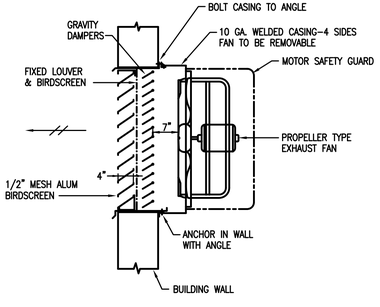
1. FAN SHALL BE PROVIDED WITH: BACKDRAFT DAMPER, DISCONNECT, THERMAL OVERLOAD PROTECTION, MOUNTED FAN SPEED CONTROLLER, WALL HOUSING, MOTOR GUARD, 4" DEEP LOUVER WITH BIRDSCREEN. LOUVER SHALL BE COMPLIANT WITH FBC-BUILDING (2020).
2. T'STAT SHALL BE SET AT 55° F. MOTION SENSOR SHALL HAVE OVERRIDE CONTROL.

GENERAL MECHANICAL NOTES

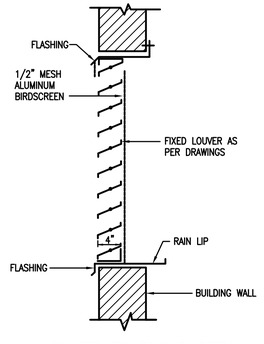
1. FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE A COMPLETE MECHANICAL SYSTEM. DUE TO THE SCHEMATIC NATURE OF THESE PLANS, THE CONTRACTOR SHALL FIELD-VERIFY LOCATIONS FOR EQUIPMENT DUCTWORK, AND ACCESSORIES. IN ADDITION, THIS WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICTS. THE CONTRACTOR SHALL ALSO REVIEW THE STRUCTURAL DRAWINGS BEFORE FABRICATING AND INSTALLING DUCTWORK OR EQUIPMENT.
2. ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCED WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
3. ALL MATERIALS SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
4. DUCT SIZES ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. DUCT SHALL BE OF LOW-PRESSURE (1.0" w.g.) CONSTRUCTION AS CLASSIFIED BY SMACNA UNLESS OTHERWISE NOTED. ALL DUCT SHALL HAVE MINIMUM 1" INTERNAL LINER FOR THE FIRST 20 FEET FOR SOUND ATTENUATION. AFTER 20 FEET, THE CONTRACTOR SHALL USE 2" EXTERNAL WRAP (MINIMUM R-6 FOR BOTH). MINIMUM 1-1/2" THICK, 800 EI-RATED DUCTBOARD MAY BE USED WITH THE APPROVAL OF THE OWNER AND THE ARCHITECT.
5. FLEXIBLE DUCT MAY BE INSTALLED ONLY WHERE SHOWN ON THE DRAWINGS. DUCT SHALL BE EXTERNALLY-INSULATED CORRUGATED METAL WITH A MAXIMUM LENGTH OF 8'-0". FOR TAKE-OFFS LONGER THAN 8'-0", THE REMAINDER OF THE DISTANCE SHALL BE EXTERNALLY-WRAPPED SINGLE-WALL ROUND DUCT WITH A SPIN-IN STYLE TAP AT THE MAIN DUCT.
6. HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL, OR CONCRETE DECKS LESS THAN 4" THICK.
7. ALL RETURN AND EXHAUST GRILLES SHALL HAVE OPPOSED-BLADE DAMPERS. ALL SUPPLY-SIDE TAKE-OFFS SHALL HAVE A BALANCING DAMPER.
8. FIRE DAMPERS AND FIRE-STOPPING SHALL BE PROVIDED FOR ANY PENETRATIONS OF FIRE-RATED PARTITIONS. VERIFY LOCATIONS OF ALL FIRE-STOPPING ON THE ARCHITECTURAL DRAWINGS.
9. ALL GRILLES AND REGISTERS SHALL BE EQUAL TO TITUS WITH ALUMINUM CONSTRUCTION. SUPPLY GRILLES SHALL BE EQUAL TO MODEL TDC. SUPPLY REGISTERS SHALL BE EQUAL TO MODEL 301. RETURN, EXHAUST AND TRANSFER GRILLES SHALL BE EQUAL TO MODEL 355 WITH OPPOSED-BLADE DAMPERS. GRILLE FINISH SHALL BE APPROVED BY THE OWNER AND THE ARCHITECT.
10. EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE ABLE TO PROVIDE THE REQUIRED CAPACITIES IN THE MIDDLE OF IT'S PERFORMANCE RANGE. ALL COMPRESSORS SHALL HAVE A MINIMUM 5-YEAR WARRANTY UNLESS OTHERWISE NOTED. THE EQUIPMENT SHALL HAVE AL THE NECESSARY CONTROLS AND ACCESSORIES TO ALLOW FOR FULL OPERATION. IF EQUIPMENT HAS COMPONENTS OF A VIBRATIVE NATURE, THE CONTRACTOR SHALL PROVIDE THE NECESSARY VIBRATION CONTROLS.
11. REFRIGERANT PIPING SHALL BE HARD-DRAWN TYPE K OR L COPPER WITH COPPER SOLDER FITTINGS. PIPING SHALL BE SOLDERED WITH SILVER SOLDER AND INSULATED WITH 1/2" THICK THERMAL TUBULAR JACKETING. SEAL INSULATION JOINTS WITH TAPE AND CEMENT OR PER MANUFACTURER'S INSTRUCTIONS. PRE-INSULATED AND PRE-CHARGED REFRIGERANT LINES MAY BE USED AS PROVIDED BY THE EQUIPMENT MANUFACTURER. WHERE INSULATION IS EXPOSED TO WEATHER PROTECT LINES WITH AN ALUMINUM COVER AND PAINT TO MATCH EXTERIOR FINISH.
12. CONDENSATE DRAINS SHALL BE FULL-SIZE (3/4" MINIMUM) COPPER OR SCHEDULE 40 PVC. DRAINS SHALL BE INSULATED IN THE SAME MANNER AS REFRIGERANT LINES. SPILL ON GRADE ADJACENT TO OUTDOOR UNITS.
13. CONTROLS SHALL BE EQUAL TO MANUFACTURER'S CONTROLS. OUTDOOR UNITS SHALL HAVE FACTORY-WIRED TIME DELAYS, PRESSURE SWITCHES, LOW-AMBIENT CONTROLS AND DEFROST CONTROLS. THERMOSTATS SHALL BE DIGITAL AND PROGRAMMABLE WITH BATTERY BACK-UP. SETPOINTS SHALL FOLLOW DESIGN CONDITIONS OR BE AS DIRECTED BY THE OWNER. MOUNT ALL THERMOSTATS AND TEMPERATURE SENSORS 60" A.F.F.
14. THE HVAC SYSTEM SHALL BE TESTED AND BALANCED ACCORDING TO AABC STANDARDS. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A COPY OF THE TEST AND BALANCE REPORT AND THE OWNER WITH A LETTER STATING THAT THE SYSTEM(S) HAVE BEEN BALANCED TO WITHIN 10% OF DESIGN PARAMETERS.



HVAC FLOOR PLAN
SCALE: 1/4" = 1'-0"



LOUVER & EXHAUST FAN DETAIL
NOT TO SCALE



LOUVER FLASHING DETAIL
NOT TO SCALE

JOHNSON PEADEN ENGINEERING INC.

Johnson, Peaden Engineering, Inc.
329 Brooks Street SE
Fort Walton Beach, FL 32548
(850) 244-6189
. . .
827 Grace Avenue
Panama City, FL 32401
(850) 215-4068
. . .
Alabama CD-2429-E
Arkansas 1654
Florida 00009014
Georgia PEF003983
Mississippi E-00000862
Tennessee 737347

7TH STREET BEACH RESTROOM BUILDING

HWY 98
MEXICO BEACH, FL 32410

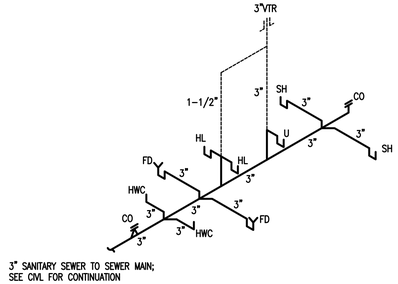
HVAC FLOOR PLAN, NOTES AND DETAILS

Rev. No.	Date	Remarks

Project Number: 2265
Date: 10-10-22
Designed By: JMP
Checked By: JWJ

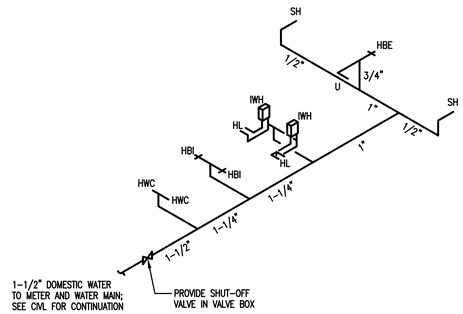
M-1

Sheet of



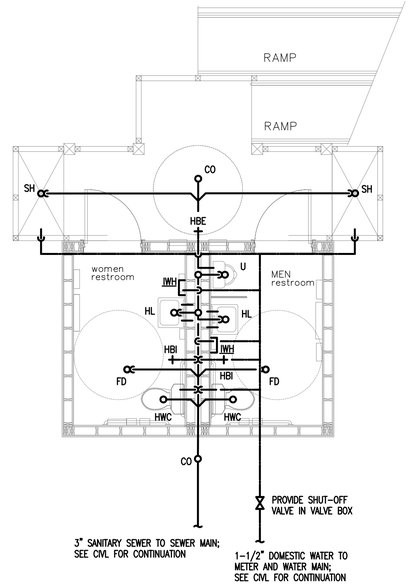
SANITARY SEWER RISER

SCALE: NONE



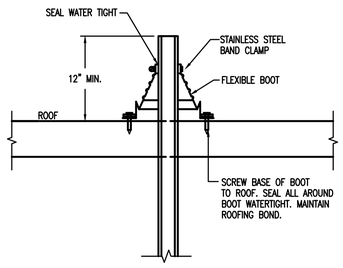
DOMESTIC WATER RISER

SCALE: NONE



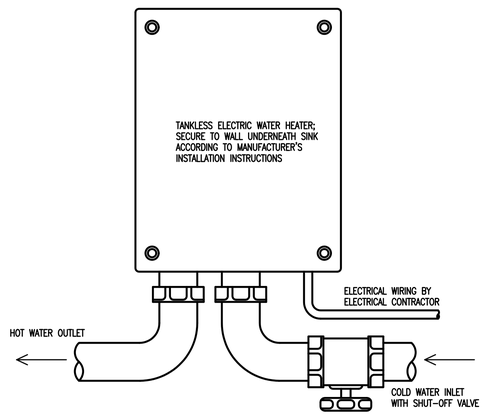
PLUMBING FLOOR PLAN

SCALE: 1/4" = 1'-0"



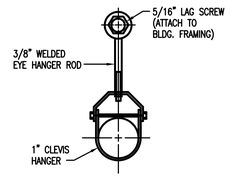
VENT THROUGH ROOF DETAIL

NOT TO SCALE



TANKLESS ELECTRIC WATER HEATER DETAIL

NOT TO SCALE



HANGER DETAIL (TYPICAL)

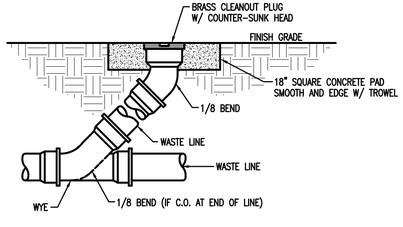
NO SCALE

NOTE: USE APPROPRIATE HANGER AS APPROVED IN NFPA-13-A-3-15-1.

GENERAL PLUMBING NOTES

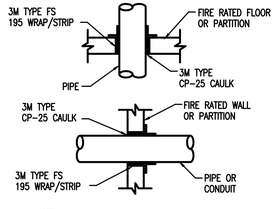
1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NEEDED TO PROVIDE A COMPLETE PLUMBING SYSTEM. THIS INCLUDES, BUT IS NOT LIMITED TO, WATER PIPING, WASTE AND VENT PIPING, AND ALL NECESSARY VALVES, TRAPS, AND ACCESSORIES.
2. ALL WORK SHALL BE PERFORMED BY SKILLED AND EXPERIENCE WORKMEN. WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS.
3. ROUGH-INS SHALL BE MADE FROM ARCHITECTURAL DRAWINGS AND FIELD VERIFICATION, NOT FROM PLUMBING DRAWINGS AS THEY ARE ONLY SCHEMATIC. THIS CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND TAPS, AND FOR CHECKING ALL ELEVATIONS, GRADES, AND INVERTS BEFORE THE START OF CONSTRUCTION. IF UNSATISFACTORY CONDITIONS EXIST, NOTIFY THE ARCHITECT IMMEDIATELY.
4. THIS CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ELECTRICAL, MECHANICAL, AND FIRE PROTECTION CONTRACTORS TO AVOID CONFLICTS WITH OTHER TRADES. MAKE DEVIATIONS AS NECESSARY FROM THE WORK SHOWN ON THE DRAWINGS TO ENSURE THE WORK FITS THE SPACE(S) PROVIDED. NOTIFY THE ARCHITECT OF ALL NECESSARY DEVIATIONS.
5. IF NEW CONNECTIONS REQUIRE INTERRUPTION OF EXISTING SERVICES, ALL PREPARATORY WORK SHALL BE COMPLETED EARLY TO MINIMIZE TIME. WHERE POSSIBLE, PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN UTILITY SERVICE.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND WITHOUT DEFECTS. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS. ALL WORK DONE BY THIS CONTRACTOR SHALL BE WARRANTED FOR ONE YEAR FROM THE TIME THE OWNER GIVES ACCEPTANCE OR GAINS BENEFICIAL USE, WHICHEVER IS FIRST.
7. ALL SANITARY AND VENT LINES SHALL BE HUBLESS CAST IRON PIPE CISPI 310-78 STANDARD WEIGHT WITH SPIGOT ENDS FOR COUPLING. HUBLESS CAST IRON JOINTS TO BE CISPI 310 STAINLESS STEEL SHIELD OVER ONE PIECE NEOPRENE SLEEVE. THIS CONTRACTOR MAY USE PVC PIPE AND FITTINGS CONFORMING TO ASTM D-2665 WHERE ALLOWED BY CODE.
8. ROOF PENETRATIONS SHALL BE FLASHED AND MADE WATER-TIGHT IN A MANNER APPROVED BY THE MANUFACTURER OF THE ROOFING MATERIAL AND COMPLYING WITH ARCHITECTURAL REQUIREMENTS.
9. PROVIDE CLEANOUTS WHERE INDICATED ON PLANS AND AS NECESSARY TO COMPLY WITH THE STANDARD PLUMBING CODE. ALL CLEANOUTS SHALL BE IN ACCESSIBLE LOCATIONS.
10. INSULATE ALL DOMESTIC WATER PIPING ABOVE GRADE WITH 3/4" THICK FLEXIBLE CLOSED-CELL POLYETHYLENE INSULATION. SEAL ALL JOINTS AND SEAMS AND INSULATE FITTINGS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
11. HANGERS FOR EQUIPMENT AND PIPING SHALL BE SECURED TO THE BUILDING STRUCTURE. NO HANGERS SHALL BE ATTACHED TO THE FLOOR OR ROOF DECK MATERIAL, OR CONCRETE DECKS LESS THAN 4" THICK.
12. INSTALL SHOCK ABSORBERS VERTICALLY AT EACH FIXTURE. OFFSET AS NEEDED TO GAIN A MINIMUM HEIGHT OF 18". ALL SHOCK ABSORBERS SHALL BE A MINIMUM OF ONE PIPE SIZE LARGER THAN THE BRANCH BEING SERVED.
13. PROVIDE CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS OF WALLS, FLOORS OR CEILINGS IN FINISHED AREAS AND UNDER LAVATORIES. PROVIDE STOPS AND TRAPS FOR ALL FIXTURES. LEAK TEST WATER PIPING, FOR NOT LESS THAN 90 MINUTES AT 100 PSI. FILL SANITARY SEWER SYSTEM TO A MINIMUM HEIGHT OF TEN FEET AND LET STAND FOR AT LEAST 30 MINUTES WITHOUT LEAKAGE. AFTER PRESSURE TESTS HAVE BEEN MADE, THOROUGHLY FLUSH THE ENTIRE DOMESTIC WATER SYSTEM WITH WATER UNTIL ALL ENTRAINED DIRT AND MUD HAVE BEEN REMOVED, AND STERILIZE. THE STERILIZING MATERIAL SHALL BE EITHER LIQUID CHLORINE CONFORMING THE FED. SPEC. BB-C-120, OR HYPOCHLORITE CONFORMING TO FED. SPEC. O-C-114, OR FED. SPEC. O-S-602M. THE CHLORINATING AGENT SHALL PROVIDE A MINIMUM DOSAGE OF 50 PPM AND SHALL BE RETAINED IN THE SYSTEM FOR 90 MIN. THE SYSTEM WILL THEN BE FLUSHED WITH CLEAN POTABLE WATER UNTIL THE RESIDUAL CHLORINE IS REDUCED TO LESS THAN 1.0 PPM. HAVE THREE STATE-APPROVED INDEPENDENT TESTING FACILITIES TAKE SAMPLES AND DELIVER CERTIFICATES OF APPROVAL TO THE OWNER. ANY NEGATIVE RESULTS MUST BE INVESTIGATED, AND IF NECESSARY CORRECTED, BEFORE THE BUILDING MAY BE ACCEPTED.

NOTE: IF CLEANOUT IS LOCATED INSIDE BUILDING, SET TOP LEVEL WITH CARPETING OR FLOORING MATERIAL.



CLEANOUT DETAIL

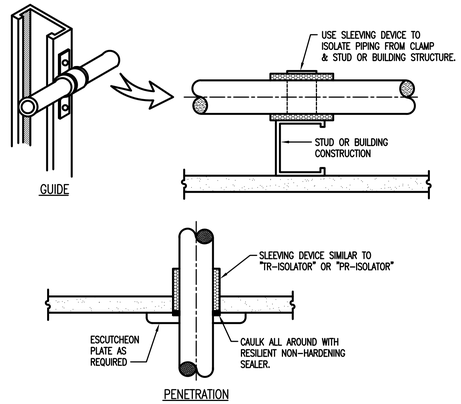
NOT TO SCALE



NOTE:
ALL FIRE STOPPING MATERIAL TO COMPLY WITH STANDARD BUILDING CODE SECTION 705, ASTM E119 REQUIREMENTS.

FIRE STOPPING OF PIPING PENETRATIONS

NO SCALE



DETAIL OF CONSTRUCTION PENETRATIONS & GUIDES FOR CONTROL OF PLUMBING NOISE & VIBRATION

NO SCALE

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SANITARY	C.W.	H.W.
HWC	WATER CLOSET, FLOOR, FLUSH VALVE, ADA COMPLIANT	3"	1-1/4"	-
HL	LAVATORY, WALL-HUNG WITH CARRIER, ADA COMPLIANT	1 1/4"	1/2"	1/2"
U	URINAL, WALL-HUNG WITH CARRIER	2"	3/4"	-
CO	CLEAN OUT WITH BRONZE PLUG	ON DWG	-	-
FD	FLOOR DRAIN W/ TRAP PRIMER	3"	-	-
			1/2"	
HBE	HOSE BIBB, FREEZEPROOF, KEYED, EXTERIOR WALL BOX	-	3/4"	-
HBE	HOSE BIBB, FREEZEPROOF, KEYED, INTERIOR	-	3/4"	-
IWH	TANKLESS ELECTRIC WATER HEATER, 4.16 kW ELEMENT, 208v			
	EQUAL TO CHRONOMITE CM-20L WITH ADJUSTABLE SET POINT	T&P	3/4"	3/4"

JOHNSON PEADEN ENGINEERING INC.

Johnson, Peaden Engineering, Inc.

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7TH STREET BEACH RESTROOM BUILDING

HWY 98
MEXICO BEACH, FL 32410

PLUMBING FLOOR PLAN, NOTES AND DETAILS

Rev. No.	Date	Remarks

Project Number: 2265
Date: 10-10-22
Designed By: JMP
Checked By: JWJ

P-1

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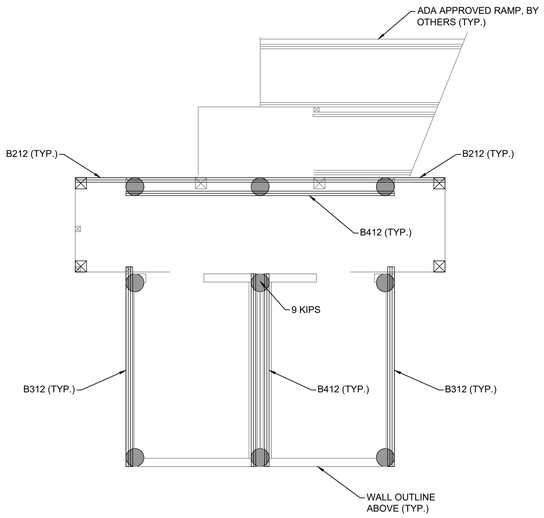
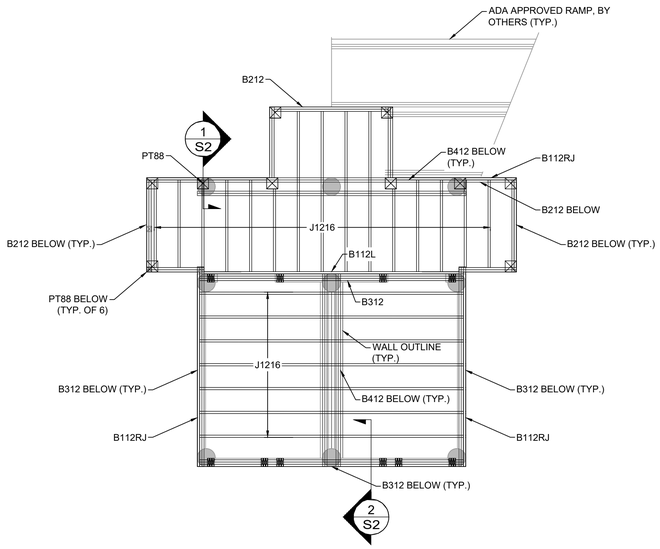


1/S1 PILING & GIRDER PLAN

SCALE: ¼" = 1'-0"

PILING PLAN NOTES:

1. ● - INDICATES LOCATION OF 12" BUTT (10" TIP MIN.) TIMBER PILING (TYP. OF 9)
2. XX KIPS - INDICATES FACTORED PILE LOADS

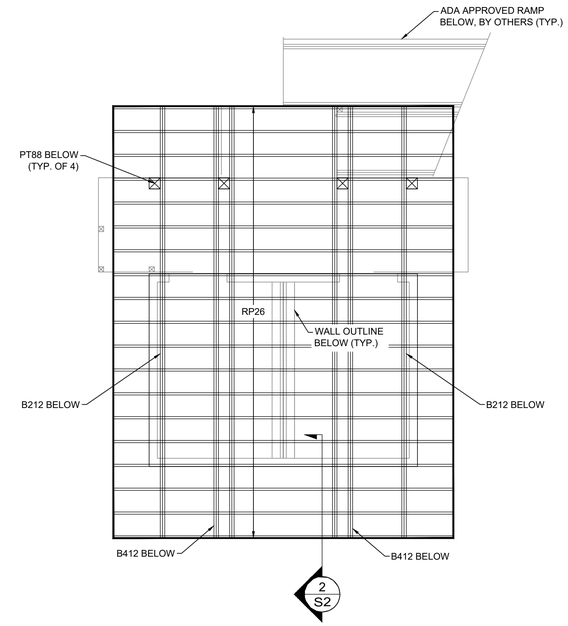


2/S1 FIRST FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

FRAMING PLAN NOTES:

1. INSTALL SIMPSON H2.5A @ ALL FLOOR JOISTS TO GIRDER CONNECTIONS (TYP.)
2. ○ - INDICATES LOCATION OF TIMBER PILE BELOW
3. ▥ - INDICATES LOCATION OF TRIPLE STUD PACK, ATTACH TO GIRDER BELOW USING (2) SIMPSON MSTA24



3/S1 ROOF FRAMING PLAN

SCALE: ¼" = 1'-0"

FRAMING PLAN NOTES:

1. ATTACH ALL ROOF PURLINS ROOF BEAMS USING SIMPSON H2.5A HURRICANE TIES @ EACH INTERSECTION.
2. ATTACH ROOF BEAMS TO TOP PLATE AND STUD PACK USING SIMPSON MST20 @ TOP PLATE/STUD PACK CONNECTIONS. CONNECT TO POSTS USING (2) 5/8" THRU BOLTS. ATTACH STUD PACKS & KING STUDS TO FRAMING BELOW w/ (2) SIMPSON MSTA24

FRAMING LEGEND	
RP26	2 X 6 (MIN.) P.T. #2 S.P. ROOF PURLINS @ 16" O.C. SEE DETAILS FOR CONNECTIONS
B412	(4) 2 X 12 P.T. #2 S.P. BEAM (2 ON EACH SIDE OF POST) CONN. TO PILE/POST w/ (2) 5/8" THRU BOLTS
B312	(3) 2 X 12 P.T. #2 S.P. CONNECT PILE USING (2) 5/8" THRU BOLTS
B212	(2) 2 X 12 P.T. #2 S.P. BEAM, WHERE APPLICABLE INSTALL SIMPSON HUC210-2 @ HUNG CONN.
B112RJ	2 X 12 P.T. #2 S.P. RIM JOIST w/ (5) 12D NAILS @ EACH JOIST CONNECTION
J1216	2 X 12 P.T. #2 S.P. JOIST @ 16" O.C. (MAX.) w/ SIMPSON LUS210 @ HUNG CONN. & H2.5A @ BEARING CONN.
B112L	2 X 12 P.T. #2 S.P. LEDGER w/ 1/2" X 5" LAG SCREWS STAGGERED @ TOP & BOTTOM @ 16" O.C. (MUST PENETRATE FRAMING BEYOND)
PT88	8 X 8 P.T. #2 S.P. POST, POST SHALL BE NOTCHED & BOLTED TO BEAM/PILE USING (2) 5/8" THRU BOLTS

PRELIMINARY
FOR BIDDING
PURPOSES ONLY

SCE
SOUTHEASTERN
CONSULTING ENGINEERS, INC.
P.O. BOX 141
WEWAHITCHKA, FL 32465
(850) 639-2860
LB# 29044

STRUCTURAL PLANS

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

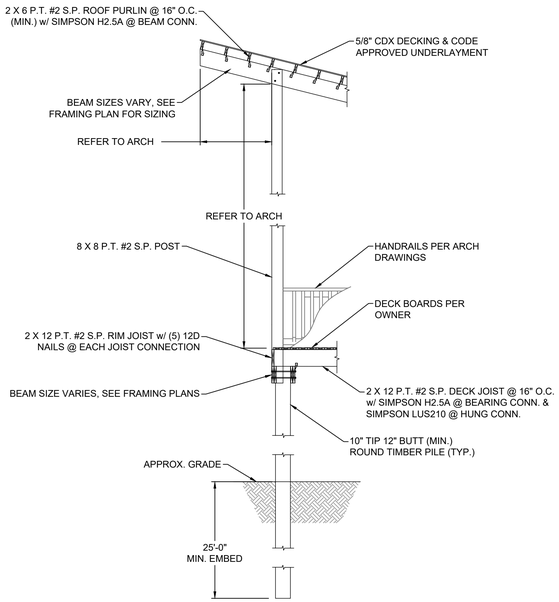
ITEM	BY	DATE

PROJECT NUMBER: 21-167-14
DESIGNED BY: H.BAUMGARDNER
DRAWN BY: S.CALARESO
CHECKED BY: J.HUSBAND
FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

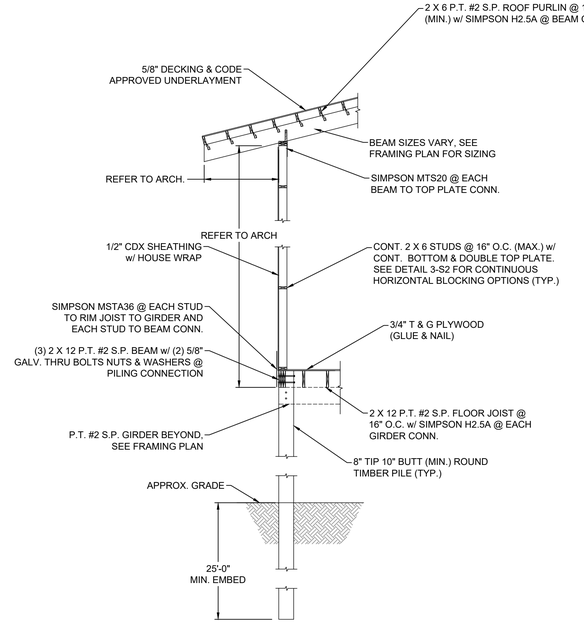
DATE: 09/30/22

SHEET NO.
S1

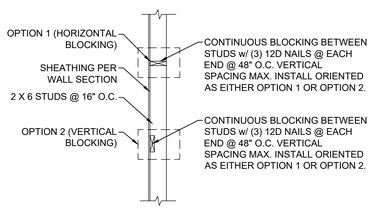
PRELIMINARY
FOR BIDDING
PURPOSES ONLY



1/S2 TYP. PORCH SECTION
SCALE: N.T.S.

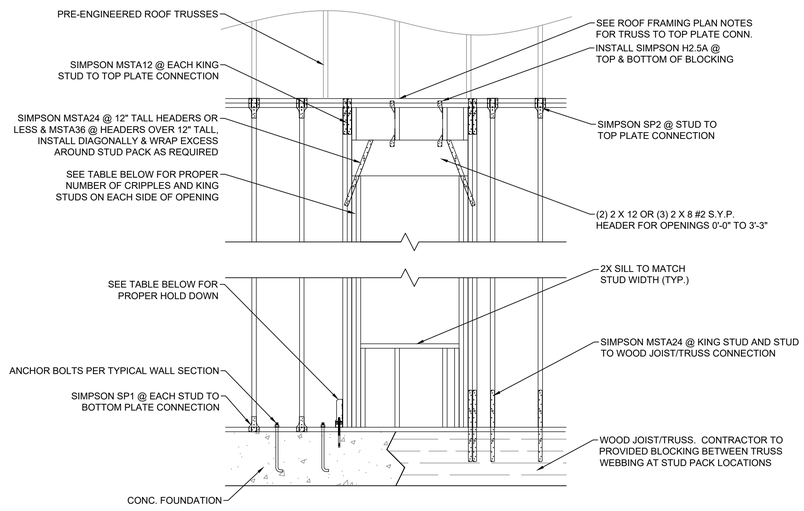


2/S2 TYP. EXT. WALL SECTION
SCALE: N.T.S.



3/S2 STUD BLOCKING OPTIONS
SCALE: N.T.S.

NOTES:
1. DOOR OPENINGS SHALL BE BUILT IN THE SAME MANNER AS THE WINDOW OPENING FRAMING SHOWN WITH THE EXCEPTION OF THE BOTTOM SILL AND CRIPPLES.
2. ALL HEADERS SHALL BE BUILT AS SPECIFIED IN THIS DETAIL UNLESS OTHERWISE NOTED ON FRAMING PLAN.



NUMBER OF CRIPPLES & KING STUDS		
OPENING SIZE	# CRIPPLES	# KING STUDS
0' - 0" TO 3' - 0"	2	2
3' - 1" TO 6' - 0"	2	2
6' - 1" TO 9' - 0"	3	3
9' - 1" TO 12' - 0"	4	4

HOLD DOWNS @ CONC. FOOTING	
OPENING SIZE	HOLD DOWN
0' - 0" TO 3' - 3"	N/A

4/S2 TYPICAL WALL OPENING DETAIL
SCALE: N.T.S.

SCE SOUTHEASTERN CONSULTING ENGINEERS, INC.
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STRUCTURAL PLANS

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HWY 98
MEXICO BEACH, FLORIDA 32410

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PROJECT NUMBER: 21-167-14
DESIGNED BY: H.BAUMGARDNER
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CHECKED BY: J.HUSBAND
FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 09/30/22

SHEET NO.
S3

STRUCTURAL GENERAL NOTES

GENERAL

1. THE OWNER/CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL FINAL DIMENSIONS, PRIOR TO START.
2. THE CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL WORKS DOCUMENTS WITH THE STRUCTURAL CONTRACT DOCUMENTS. NOTIFICATION SHALL BE MADE TO THE ENGINEER OF RECORD OF ANY CONFLICT AND/OR OMISSIONS.
3. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, SEE THE ARCHITECTURAL PLANS.
4. THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO STARTING WORK. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES IN EXISTING SITE CONDITIONS, DIMENSIONS, OR ELEVATIONS TO THOSE SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS.
5. THE REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHOD, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO DEMOLITION PROCEDURES AND TEMPORARY SHORING.
6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND ERECTION OF SAFE AND ADEQUATE BRACING, SHORING, TEMPORARY SUPPORTS, ETC. REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION AND/OR DEMOLITION.
7. IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE, UNLESS APPROVED BY THE ENGINEER OF RECORD IN WRITING.
8. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
9. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
10. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
11. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
12. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
13. CONTRACTOR SHALL OBTAIN AND COORDINATE EDGE OF SLAB DIMENSIONS, OPENING LOCATIONS AND DIMENSIONS, DEPRESSED SLAB LOCATIONS AND EXTENTS, SLAB SLOPES, CURB LOCATIONS, AND CMU WALL LOCATIONS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION.
14. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
15. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
16. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR.
17. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. SHOP DRAWINGS SHALL BE SEALED BY ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. SHOP DRAWINGS SHALL BE SEALED BY ENGINEER LICENSED IN PROJECT STATE.
18. WHERE A SECTION OR DETAIL IS SHOWN OR DETAILED FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR AND LIKE CONDITIONS. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR. THE CONTRACTOR SHALL CONSIDER ALL OF THE CONTRACT DOCUMENTS IN DETERMINING SIMILAR AND LIKE CONDITIONS.
19. ALL FLASHING AND WATERPROOFING BY CONTRACTOR.
20. ALL ADA REQUIREMENTS SHALL BE ADHERED (IF APPLICABLE) TO AND MAY NOT BE SHOWN ON THESE PLANS IN ITS ENTIRETY.
21. PLANS DO NOT INCLUDE ANY FIRE ESCAPE PLAN, FIRE SPRINKLER, OR FIRE RELATED DESIGN ASPECTS, U.N.O.. OWNER/CONTRACTOR SHALL PROVIDE APPLICABLE FIRE PROTECTION DESIGN/DOCUMENTS NOT SHOWN ON THIS PLAN SET.
22. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THRESHOLD INSPECTION REQUIREMENTS (IF APPLICABLE).
23. ATTACH STAIR STRINGERS & LANDING FRAMING TO STAIRWELL STUD FRAMING w/ (2) SIMPSON SDWC15600 @ 16" O.C.
24. INSTALL LATERAL BRACING AT GABLE END TRUSS AS SPECIFIED BY TRUSS MANUFACTURER.

CODE DESIGN

1. WIND LOADS: SEE TABLE

ESTIMATED DEFLECTIONS (IN INCHES) ARE AS FOLLOWS:

	LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS:	L/240 OR < 1"	L/180
FLOOR MEMBERS:	L/360 OR < ½"	L/240

WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN CENTERLINES OF SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.)

FOUNDATION

1. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2000 PSF. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN.
2. ALL FOUNDATION BEARING SOIL SHALL BE COMPACTED TO 98% STANDARD PROCTOR OR 95% MODIFIED PROCTOR AS SPECIFIED BY AASHTO T-99 AND AASHTO T-180, RESPECTIVELY.
3. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED w/ 3/4" X 3/4" (MIN.) KEY WAY. ALL SURFACES SHALL BE CLEANED BEFORE PLACEMENT OF ADJACENT CONCRETE. CONTRACTION JOINTS / SAW CUTS SHALL BE INSTALLED AT 10' O.C. EACH WAY OR NO GREATER THAN 30 TIMES THE SLAB THICKNESS (LESSER OF THE TWO) AND SHALL BE A MINIMUM OF 1/8" WIDE AND TO A DEPTH OF 25% OF THE SLAB THICKNESS (MIN.) UNLESS OTHERWISE NOTED. ALL CONCRETE SLABS LOCATED WITHIN VE FLOOD ZONES SHALL BE SCORED IN 25 SQ. FT. SECTIONS (MAXIMUM). REFER TO F.D.E.P. PERMIT DRAWINGS FOR ALL CONCRETE SLABS LOCATED SEAWARD OF THE COASTAL CONSTRUCTION CONTROL LINE.
4. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM BEFORE STARTING CONSTRUCTION.
5. NO FOOTINGS SHALL BE PLACED IN WATER.
6. ANY SOIL CONDITION ENCOUNTERED DURING EXCAVATION THAT IS CONTRARY TO THE CONDITIONS USED FOR DESIGN OF FOOTINGS AS OUTLINED IN THESE NOTES OR ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD BEFORE PROCEEDING.
7. BACK FILL BOTH SIDES OF FOUNDATION WALLS AT SAME TIME TO PREVENT OVERTURNING.

CONCRETE MASONRY

1. CONCRETE MASONRY WORK SHALL CONFORM TO ACI 530, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND ACI 530.1, SPECIFICATION FOR MASONRY STRUCTURES.
2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F'M = 1,500 PSI.
3. MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND SHALL BE OF THE FOLLOWING TYPE:

   WALLS BELOW GRADE TYPE M OR S
4. CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2,500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT SHALL CONFORM TO ASTM C476.
5. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, INTERSECTIONS, ETC.
6. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5 @32" UNLESS NOTED OTHERWISE.
7. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.01 INCH SHALL BE REPAIRED. EXTENTS OF DEFECTIVE AREA TO BE DETERMINED BY THE STRUCTURAL ENGINEER.
8. REINFORCING DOWELS MUST BE TIED IN PLACE PRIOR TO POURING FOOTING. "WET-STICKING" IS NOT ALLOWED.

REINFORCEMENT

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE MINIMUM SIDE AND END LAPS OF 8".FOR ALL MONOLITHIC FOOTINGS, A DOUBLE LAYER OF WELDED WIRE FABRIC SHALL BE INSTALLED WITHIN 3'-0" OF ALL FOOTINGS (3" CLEAR OF OUTSIDE PERIMETER OF FOOTING)
3. REINFORCING STEEL SHALL ONLY BE WELDED OR TACK-WELDED IF IT CONFORMS TO ASTM A706, AND AWS D1.4. REINFORCING SHALL NOT BE WELDED NOR TACK-WELDED UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
5. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE. REINFORCING DOWELS MUST BE TIED IN PLACE PRIOR TO POURING FOOTING. "WET-STICKING" IS NOT ALLOWED.
6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:

   6.1. CAST-IN-PLACE (NON POST-TENSIONED) CONCRETE REINFORCEMENT COVER

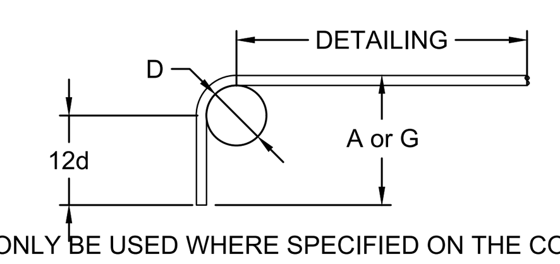
   PERMANENTLY EXPOSED TO EARTH:
   CAST AGAINST THE EARTH 3" CLEAR

   EXPOSED TO EARTH OR WEATHER:
   FOR BARS LARGER THAN A NO. 5 BAR 2" CLEAR
   NO. 5 BARS OR SMALLER 1 ½" CLEAR
   COLUMN TIES 1 ¾" CLEAR

   6.2. MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF CMU CELLS, UNLESS NOTED OTHERWISE.
7. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. REINFORCING STEEL SPLICES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

MINIMUM LAP SPLICE LENGTH (IN.) - 3000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
	22	29	36	43	63	72
MINIMUM LAP SPLICE LENGTH (IN.) - 1500 PSI NORMAL WEIGHT CMU						
6-in CMU WALL	19	25	39	81	NA	NA
8-in CMU WALL	19	25	31	57	79	113
12-in CMU WALL	19	25	31	53	61	75

RECOMMENDED END HOOKS ANCHORAGE LENGTH (IN.) - 3000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
D	2.25	3.00	3.75	4.50	5.25	6.00
A or G	6	8	10	12	14	16



POST INSTALLED ANCHORS

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQ'D BY THE BUILDING CODE. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE EVALUATION REPORT. CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY.

   1.1. CONCRETE ANCHORS

   A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
   - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713)
   - SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)

   B. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
   - SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
   - SIMPSON STRONG-TIE "AT-XP" (IAPMO-ES ER-0263)
   - HILTI HIT HY150 INJECTION ADHESIVE
   - EPCON CERAMIC 6 EPOXY ADHESIVE SUPPLIED BY ITW RAMSET/RED HEAD
   - POWER-FAST EPOXY INJECTION GEL SUPPLIED BY POWERS FASTENING

   C. POWDER AND GAS-ACTUATED FASTENERS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED POWDER ACTUATED FASTENERS INCLUDE:
   - SIMPSON STRONG-TIE "POWER-DRIVEN FASTENERS" (ICC-ES ESR-2138)
   - SIMPSON STRONG-TIE "GAS-ACTUATED FASTENERS" (ICC-ES ESR-2811)
2. MASONRY ANCHORS

   2.1 ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

   A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
   - SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056)
   - SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAMPO-ES ER-0240)
   - SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396)

   B. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
   - SIMPSON STRONG-TIE "AT-XP" (IAMPO-ES ER-0281)
   - SIMPSON STRONG-TIE "SET-XP" (IAMPO-ES ER-0265)
   - HILTI HIT HY150 INJECTION ADHESIVE
   - EPCON CERAMIC 6 EPOXY ADHESIVE SUPPLIED BY ITW RAMSET/RED HEAD
   - POWER-FAST EPOXY INJECTION GEL SUPPLIED BY POWERS FASTENING
3. ANCHORAGE TO HOLLOW CONCRETE MASONRY:

   3.1 ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED ADHESIVE ANCHORS WITH SCREEN TUBES INCLUDE:
   - SIMPSON STRONG-TIE "SET" (ICC-ES ESR-1772)
   - SIMPSON STRONG-TIE "AT" (ICC-ES ESR-1958)
   - HILTI HIT HY150 INJECTION ADHESIVE
   - EPCON CERAMIC 6 EPOXY ADHESIVE SUPPLIED BY ITW RAMSET/RED HEAD
   - POWER-FAST EPOXY INJECTION GEL SUPPLIED BY POWERS FASTENING
4. ALL DRILLED & EPOXIED ⅝" THREADED RODS SHALL MAINTAIN A MINIMUM EDGE DISTANCE OF 1 ¾" AND CLEAR SPACING OF 4" O.C. (MAX.)

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 318 AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 301.
2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
3. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS.
4. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
5. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING O.O1 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE STRUCTURAL ENGINEER.

WOOD

1. ALL HEADERS, BEAMS, POSTS, ETC. HAVE BEEN DESIGNED TO SUPPORT ROOF FRAMING MEMBERS AS SHOWN ON ROOF FRAMING PLAN. IT IS THE RESPONSIBILITY OF THE TRUSS MFG. TO NOTIFY E.O.R. OF ANY DISCREPANCY & PROVIDE FINAL TRUSS LAYOUT TO E.O.R. FOR STRUCTURAL PLAN REVISION IF LAYOUT VARIES FROM THAT SHOWN ON THIS PLAN SET.

   1.1. ALL DECK JOISTS HEREIN SHOWN AS 16" O.C. OR GREATER ARE INTENDED FOR 2 X 6 OR 5/4 X 6 WOOD DECKING. IT IS THE CONTRACTORS RESPONSIBILITY, IF USING COMPOSITE DECKING TO INSTALL DECK JOISTS @ 12" O.C. OR AS REQUIRED BY MANUFACTURERS SPECIFICATIONS.
2. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE PRODUCED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC). MINIMUM ALLOWABLE BENDING STRESS SHALL BE 2,400 PSI (DRY CONDITIONS).
3. PROVIDE DRESSED SEASONED LUMBER, S4S, WITH A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF DRESSING AS LISTED BELOW.

   3.1. INTERIOR AND EXTERIOR LOAD-BEARING WALLS:
   SPRUCE PINE FUR (SPF) U.N.O.

   3.2. LINTELS, FLOOR JOISTS AND BEAMS:
   SOUTHERN PINE (S.P.), NO. 2 GRADE.

   3.3. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD. THE PROTECTIVE COATING ON LIGHT GAUGE STEEL CONNECTIONS IN CONTACT w/ PRESSURE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURERS RECOMMENDATIONS.
4. ENGINEERED LUMBER PRODUCTS

   4.1. PARALLEL STRAND LUMBER (PSL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:
   ALLOWABLE BENDING STRESS F_B = 2900 PSI
   COMPRESSION PERPENDICULAR TO GRAIN $F_{C\perp}$ = 750 PSI
   COMPRESSION PARALLEL TO GRAIN $F_{C||}$ = 2900 PSI
   HORIZONTAL SHEAR F_V = 290 PSI
   MODULUS OF ELASTICITY E = 2,000,000 PSI

   4.2. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:
   ALLOWABLE BENDING STRESS F_B = 2600 PSI
   COMPRESSION PERPENDICULAR TO GRAIN $F_{C\perp}$ = 750 PSI
   COMPRESSION PARALLEL TO GRAIN $F_{C||}$ = 2510 PSI
   HORIZONTAL SHEAR F_V = 285 PSI
   MODULUS OF ELASTICITY E = 2,000,000 PSI

   4.3. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:
   ALLOWABLE BENDING STRESS F_B = 1700 PSI
   COMPRESSION PERPENDICULAR TO GRAIN $F_{C\perp}$ = 710 PSI
   COMPRESSION PARALLEL TO GRAIN $F_{C||}$ = 1835 PSI
   HORIZONTAL SHEAR F_V = 425 PSI
   MODULUS OF ELASTICITY E = 1,300,000 PSI

   4.4. GLULAM BEAMS (GLU) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:
   ALLOWABLE BENDING STRESS F_B = 3000 PSI
   COMPRESSION PERPENDICULAR TO GRAIN $F_{C\perp}$ = 805 PSI
   TENSION PARALLEL TO GRAIN $F_{T||}$ = 1350 PSI
   HORIZONTAL SHEAR F_V = 300 PSI
   MODULUS OF ELASTICITY E = 2,100,000 PSI

   4.5. PRESERVED GLULAM BEAMS (GLU) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:
   ALLOWABLE BENDING STRESS F_B = 2400 PSI
   COMPRESSION PERPENDICULAR TO GRAIN $F_{C\perp}$ = 740 PSI
   HORIZONTAL SHEAR F_V = 300 PSI
   MODULUS OF ELASTICITY E = 1,800,000 PS
5. STRUCTURAL PANELS

   5.1. FLOOR PANELS SHALL BE CONSTRUCTED WITH TONGUE AND GROOVE APA RATED 3/4" PLYWOOD. FLOOR PANELS SHALL BE GLUED AND NAILED w/ 8d RING SHANK NAILS @ 4" O.C. AT PANEL EDGES AND AT 6" O.C. IN THE FIELD.

   5.2. WALL PANELS SHALL BE CONSTRUCTED WITH APA STRUCTURAL 1 RATED SHEATHING, SHEATHING SHALL BE ATTACHED WITH 8d COMMON NAILS @ 3" O.C. AT PANEL EDGES AND 6" O.C. IN THE FIELD (U.N.O.). ALL PANEL EDGES SHALL BE BLOCKED.

   5.3. ROOF PANELS SHALL BE CONSTRUCTED WITH APA RATED SHEATHING. SHEATHING SHALL BE ATTACHED WITH 8d RING SHANK NAILS @ 3" O.C. AT PANEL EDGES AND AT 6" O.C. IN THE FIELD. ALL PANEL EDGES SHALL BE BLOCKED OR ATTACHED WITH SIMPSON PSCA PANEL SHEATHING CLIPS.

   5.4. NAIL HEADS SHALL NOT PENETRATE THE OUTER SURFACE OF SHEATHING.
6. FABRICATED WOOD TRUSSES

   6.1. DESIGN OF WOOD TRUSSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, AND SUPPORT REACTIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO TRUSS CONFIGURATION, AND THE CONTRACTOR'S INTERPRETATION OF DESIGN LOADS AND DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN OF THE TRUSSES OR TRUSS CONNECTIONS NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS.

   6.2. ERECTION AND BRACING OF PREFABRICATED WOOD TRUSSES SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS PLATE INSTITUTE'S "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS".

   6.3. SECURE EACH COMMON ROOF TRUSS/RAFTER TO TOP PLATE WITH SIMPSON H-10 OR H-7 HURRICANE CLIP AT ALL BEARING POINTS. USE SIMPSON H-7 AT GIRDER TRUSSES. PROVIDE A MINIMUM OF TWO STUDS UNDER GIRDER TRUSS END BEARING.

   6.4. TRUSSES ON SITE PRIOR TO INSTALLATION SHALL BE STORED IN A VERTICAL POSITION WITH SUPPORT POINTS PROVIDED AT FINAL BEARING POINTS AND BRACED TO AVOID TIPPING.

   6.5. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK AND CARE IS TO BE USED IN LIFTING TO MINIMIZE HORIZONTAL BENDING.

   6.6. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECIFICATIONS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOB SITE.

   6.7. TRUSS TO TRUSS CONNECTIONS SHALL BE VERIFIED BY THE TRUSS DESIGNER.

   6.8. EXPOSED TRUSSES SHALL BE DELIVERED TO THE JOB SITE UNBLEMISHED AND SUITABLE FOR FIELD PAINTING.

   6.9. CONTRACTOR TO REFER TO "STANDARD FOR HURRICANE RESISTANT CONSTRUCTION SSTD 10-99 FOR FRAMING REQUIREMENTS OF WOOD FRAMED WALL SYSTEMS, TABLE 305C AND FIGURE 306D.

   6.10. ALL FLOOR TRUSS DESIGN LOADS SHALL BE PER TRUSS MANUFACTURER. THE LOADS REFERENCED WITHIN THE FOLLOWING "STRUCTURAL LOADS" SECTION REPRESENTS THE LOADS USED FOR THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING FLOOR AND ROOF TRUSSES.
7. CONNECTIONS

   7.1. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL. CONNECTORS SHALL FOLLOW MANUF. CORROSION PROTECTION RECOMMENDATIONS.

   7.2. THE NUMBER OF FASTENERS PER CONNECTION SHALL BE THE MAX. ALLOWED FOR THAT PARTICULAR FASTENER.

ELECTRICAL UTILITY ACCESS & MAINTENANCE PLATFORMS

1. SCE SHALL NOT BE RESPONSIBLE FOR ANY REQUIREMENTS SET FORTH BY THE ELECTRICAL UTILITY PROVIDER CONCERNING METER PLACEMENT OR ANY REQUIRED STRUCTURE RELATED TO METER READING AND/OR MAINTENANCE.
2. IT IS THE SOLE RESPONSIBILITY OF THE OWNER / CONTRACTOR TO MEET ALL LOCAL, STATE, FEDERAL & ELECTRIC UTILITY PROVIDER REQUIREMENTS CONCERNING THE ELECTRIC METER & ANY RELATED STRUCTURE ASSOCIATED WITH THE ELECTRICAL METER.

PRELIMINARY
FOR BIDDING
PURPOSES ONLY

STRUCTURAL LOADS:

SUPERIMPOSED DEAD LOADS (RESIDENTIAL CONSTRUCTION):

FLOOR	20 PSF
PORCH	10 PSF
ROOF	15 PSF

SUPERIMPOSED LIVE LOADS (RESIDENTIAL CONSTRUCTION):

ATTICS w/ STORAGE	20 PSF
ATTICS w/o STORAGE	10 PSF
HABITABLE ATTICS & BEDROOMS	40 PSF
ALL OTHER ROOMS	40 PSF
DECKS	60 PSF
FLOOR	40 PSF
ROOF	20 PSF

WIND LOADS AS SPECIFIED BY ASCE 7-16 (ASD):

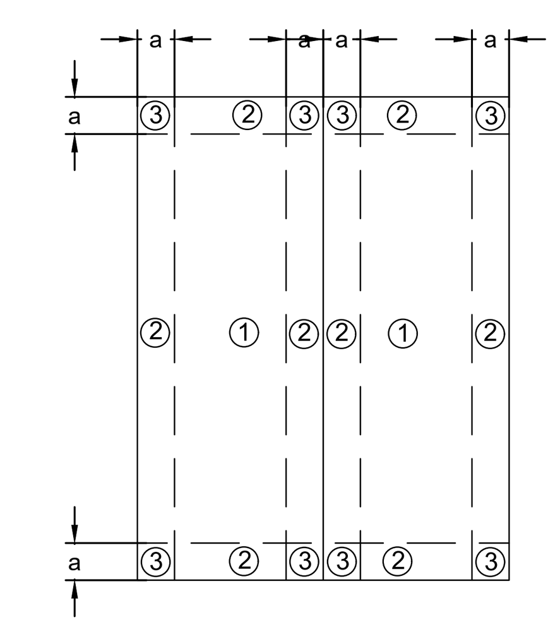
ULTIMATE WIND SPEED	140 MPH
NOMINAL WIND SPEED	108 MPH
STRUCTURAL CATEGORY	I
EXPOSURE CATEGORY	D
INTERNAL PRESSURE COEFFICIENT	0.18 ±
IMPACT GLASS WINDOWS & DOORS	REQ'D

MAIN WIND FRAME RESISTING SYSTEM (MWFRS)		
AREA	INTERIOR ZONE	END ZONE
WALLS	31.80 PSF	39.75 PSF
ROOF	± 32.85 PSF	± 41.06 PSF

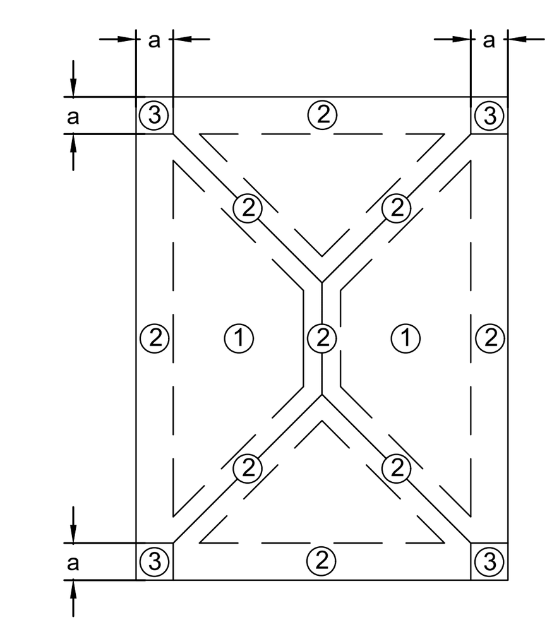
COMPONENTS AND CLADDING ROOF PRESSURES (PSF)		
ZONE	+ GCpi	- GCpi
ROOF (ZONE 1)	20.29	-61.71
ROOF (ZONE 2)	9.60	-9.60
ROOF (ZONE 3)	9.60	-9.60

COMPONENTS AND CLADDING WALL PRESSURES (PSF)								
	0 SF - 10 SF		10 SF - 30 SF		30 SF - 60 SF		60 SF - 100 SF	
ZONE	+ GCpi	- GCpi	+ GCpi	- GCpi	+ GCpi	- GCpi	+ GCpi	- GCpi
4	33.46	-36.21	33.46	-36.21	31.28	-34.13	29.65	-32.50
5	33.46	-44.74	33.46	-44.74	31.28	-40.38	29.65	-37.14

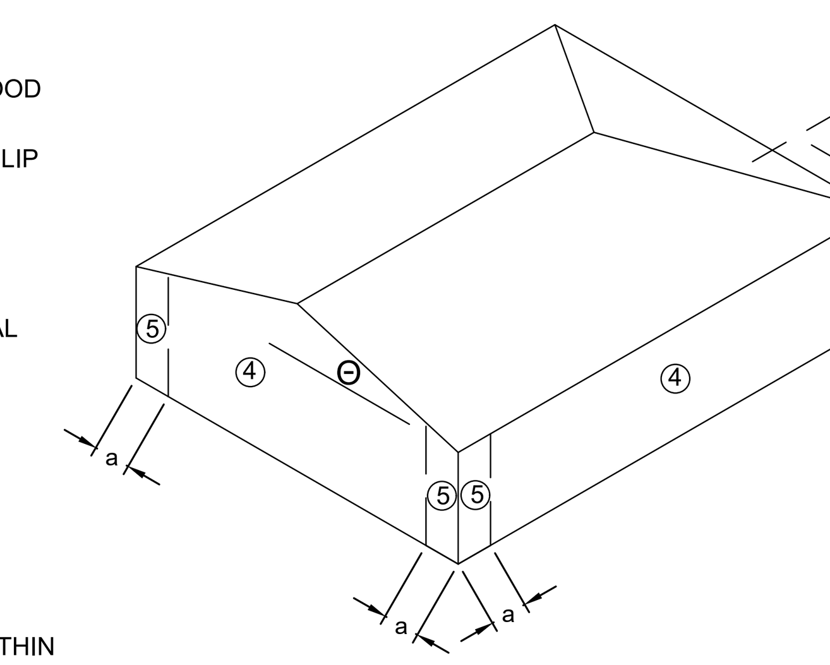
NOTE: ALL PRESSURES SHOWN ARE BASED UPON ASD DESIGN, WITH A LOAD FACTOR OF 0.6.

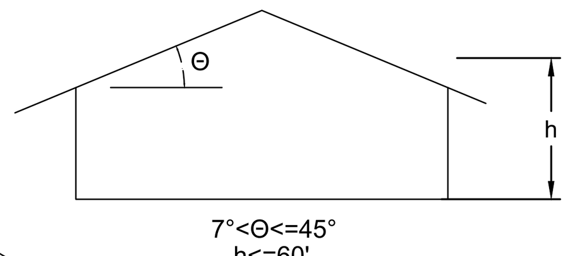


GABLED ROOF



HIPPED ROOF





7°<Θ<=45°
h<=60'

CERTIFICATION

THE STRUCTURE SHOWN ON THESE PLANS IS DESIGNED IN ACCORDANCE WITH FLORIDA BUILDING CODE 7TH EDITION (2020).

ABBREVIATIONS

CONC. = CONCRETE	E.O.R. = ENGINEER OF RECORD
WWM = WELDED WIRE MESH	N.T.S. = NOT TO SCALE
CONT. = CONTINUOUS	BTM. = BOTTOM
CMU = CONCRETE MASONRY UNIT	C.I.P. = CAST IN PLACE
P.T. = PRESSURE TREATED	S.S. = STAINLESS STEEL
N.T.S. = NOT TO SCALE	TYP. = TYPICAL
BTW. = BETWEEN	REQ'D = REQUIRED
SIM. = SIMILAR	U.N.O. = UNLESS NOTED OTHERWISE
LOC. = LOCATION	L.B.W. = LOAD BEARING WALL
H.C.A. = HEADED CONCRETE ANCHOR	MFG. = MANUFACTURER

SHEARWALL/SHEATHING NAIL SCHEDULE (U.N.O.)		
WALLS	8d	3" O.C. EDGE 6" O.C. FIELD
ROOF	8d "RING SHANK"	3" O.C. EDGE 6" O.C. FIELD
TONGUE & GROOVE SHEATHING, IF APPLICABLE (U.N.O.)		
WALLS	(2) 3" #9 DECK SREWS	EACH STUD CONN.
ROOF	(2) 3" #9 DECK SREWS	EACH TRUSS/RAFTER CONN.

SCE
SOUTHEASTERN
CONSULTING ENGINEERS, INC.
P.O. BOX 141
WEWAHITCHKA, FL 32465
(850) 639-3860
LB# 29064

STRUCTURAL GENERAL NOTES

7TH STREET BEACH RESTROOM BUILDING
HWY 98
MEXICO BEACH, FLORIDA 32410

REVISIONS:

DATE	BY	ITEM

PROJECT NUMBER: 21-167-14

DESIGNED BY:	DRAWN BY:	CHECKED BY:
H.BAUMGARDNER	S.CALARESO	J.HUSBAND

FOR: CITY OF MEXICO BEACH
201 PARADISE PATH
MEXICO BEACH, FL 32456

DATE: 09/30/22

SHEET NO.
S3