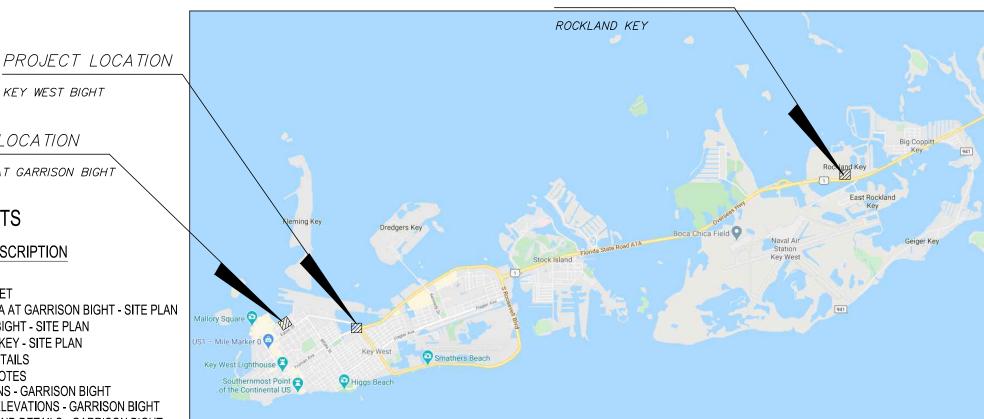
CITY OF KEY WEST **OIL & GAS WASTE STATIONS**

KEY WEST, FLORIDA ITB 21-010

PROJECT LOCATION



LOCATION SKETCH



MAYOR & COUNCIL:

Teri Johnston, Mayor Jimmy Weekley, Commissioner Samuel Kaufman, Commissioner Billy Wardlow, Commissioner Gregory Davila, Commissioner Mary Lou Hoover, Commissioner Clayton Lopez, Commissioner

City Manager: Gregory Veliz

PROJECT No. 215614441 SEPTEMBER 2021

APPROVED BY

CARLOS M HERDOCIA, P.E. REGISTERED ENGINEER NO. 47660 STATE OF FLORIDA

C-01 CITY MARINA AT GARRISON BIGHT - SITE PLAN C-02 **KEY WEST BIGHT - SITE PLAN ROCKLAND KEY - SITE PLAN** C-03 C-04 STATION DETAILS G-001 **GENERAL NOTES** A-101G FLOOR PLANS - GARRISON BIGHT A-200G **EXTERIOR ELEVATIONS - GARRISON BIGHT** A-300G SECTIONS AND DETAILS - GARRISON BIGHT G-001 **GENERAL NOTES** A-101K FLOOR PLANS - KEY WEST **EXTERIOR ELEVATIONS - KEY WEST** A-200K A-300K SECTIONS AND DETAILS - KEY WEST G-001 **GENERAL NOTES** A-101R FLOOR PLANS - ROCKLAND KEY A-200R **EXTERIOR ELEVATIONS - ROCKLAND KEY** A-300R SECTIONS AND DETAILS - ROCKLAND KEY S-100 GENERAL STRUCTURAL NOTES, ABBREVIATION LEGEND S-101 GENERAL STRUCTURAL NOTES, SCHEDULES & TYPICAL DETAILS

FOUNDATION, GROUND AND ROOF PLANS

DESIGN WIND PRESSURES FOR ROOFING SYSTEM

DESIGN WIND PRESSURES FOR DOORS, WINDOWS & CLADDING

KEY WEST BIGHT

PROJECT LOCATION

INDEX OF SHEETS

SHEET NO.

C-00

S-200

S-300 - S-301

S-400

S-401

CITY MARINA AT GARRISON BIGHT

SHEET DESCRIPTION

COVER SHEET

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction

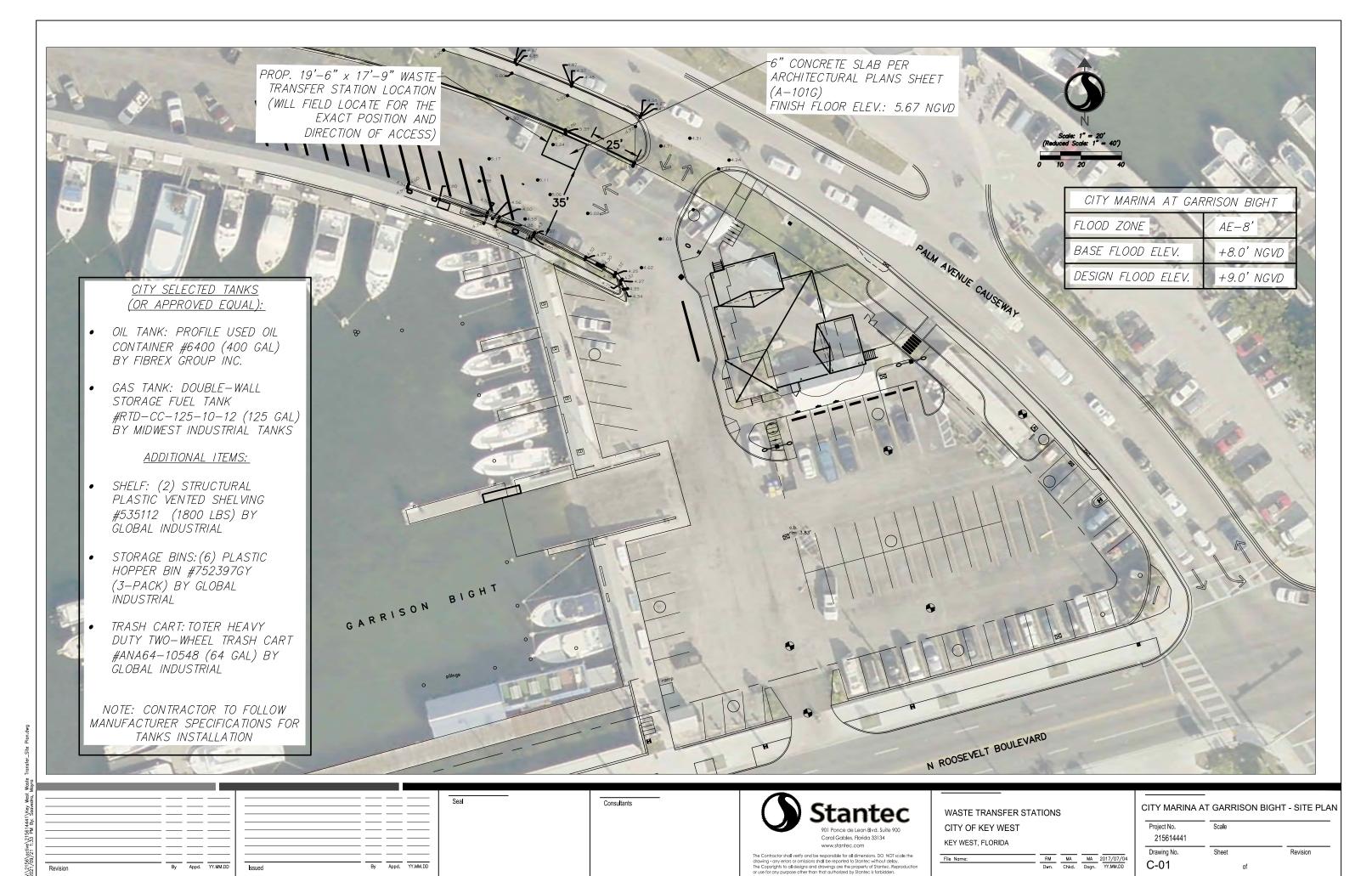
SECTIONS AND DETAILS

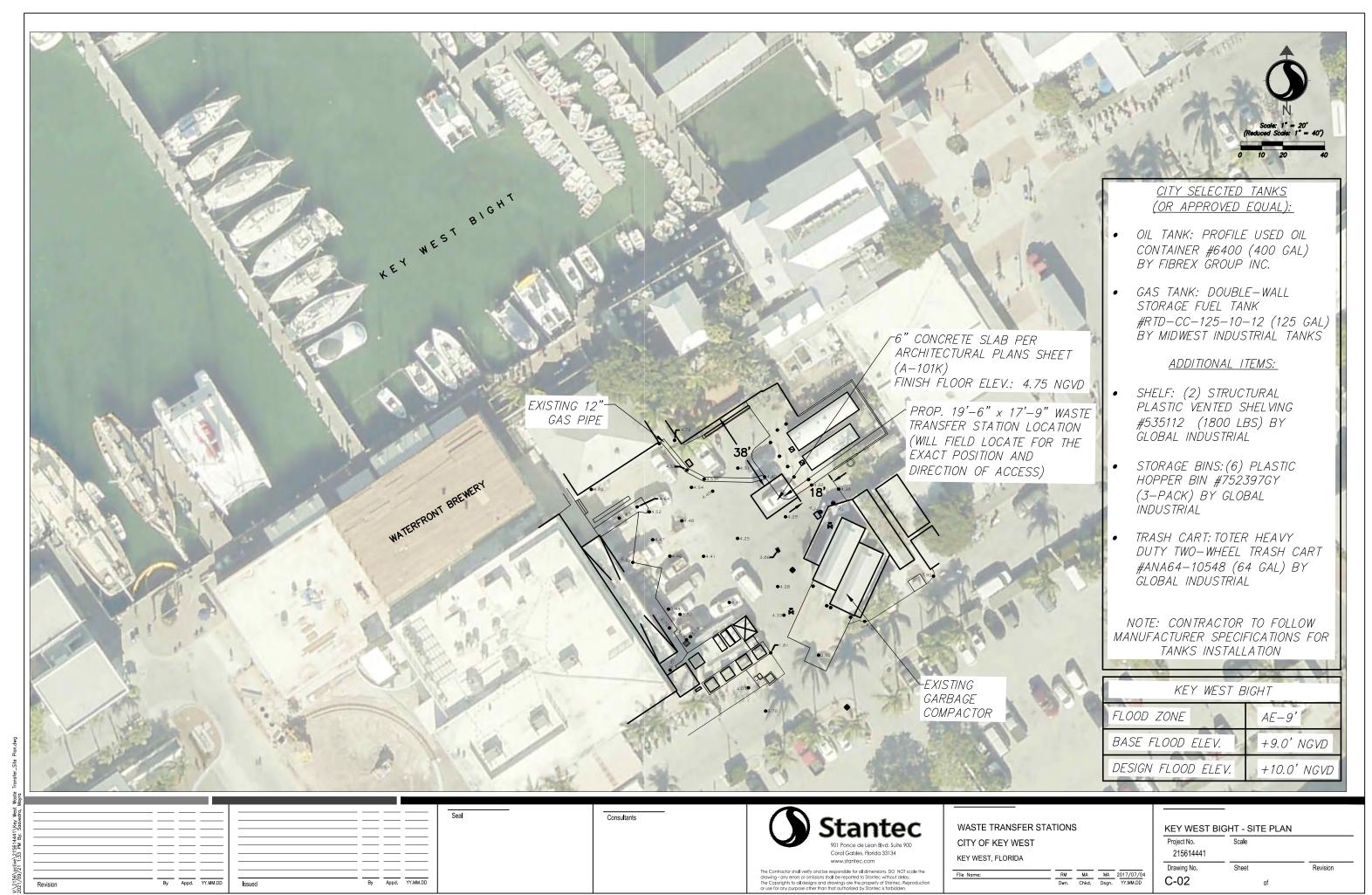
or use for any purpose other man mai authorized by startied is forbidate					
••••••APPROVALS•••••					
AGENCY	SUBMITTAL DATE	APPROVAL DATE	PERMIT NUMBER		

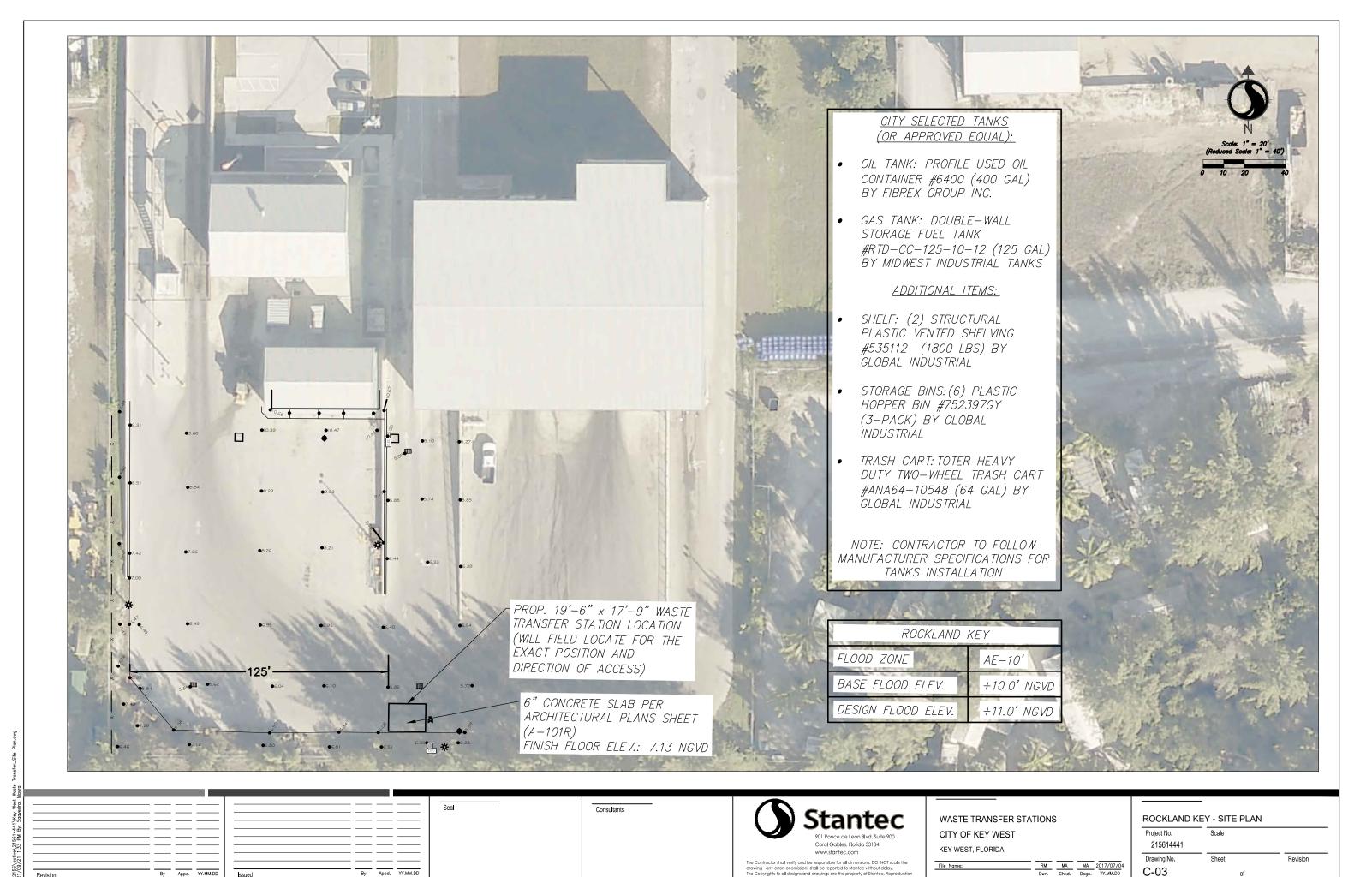


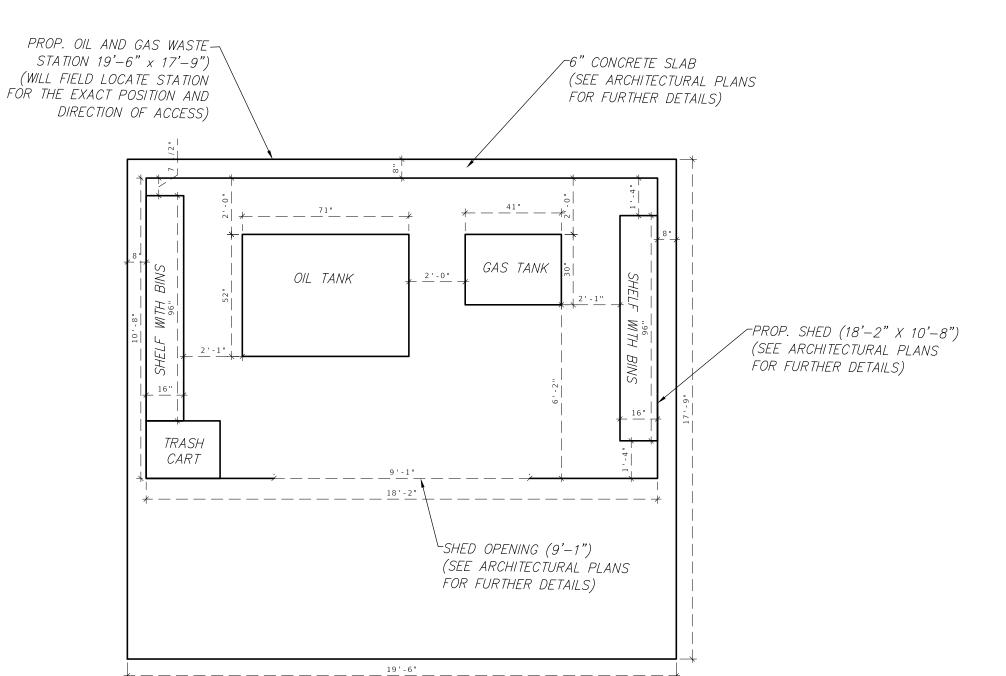


THE SCALE OF THESE DRAWINGS MAY HAVE CHANGED DUE TO REPRODUCTION









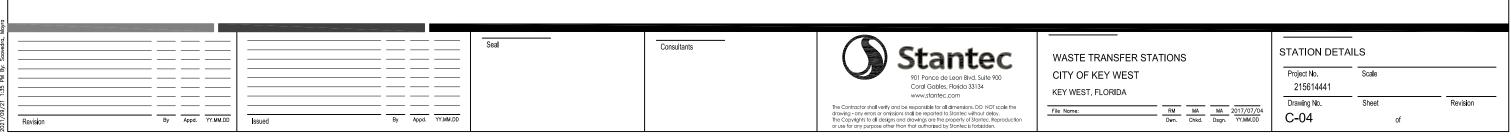
CITY SELECTED TANKS (OR APPROVED EQUAL):

- OIL TANK: PROFILE USED OIL CONTAINER #6400 (400 GAL) BY FIBREX GROUP INC.
- GAS TANK: DOUBLE-WALL STORAGE FUEL TANK #RTD-CC-125-10-12 (125 GAL) BY MIDWEST INDUSTRIAL TANKS

ADDITIONAL ITEMS:

- SHELF: (2) STRUCTURAL PLASTIC VENTED SHELVING #535112 (1800 LBS) BY GLOBAL INDUSTRIAL
- STORAGE BINS: (6) PLASTIC HOPPER BIN #752397GY (3-PACK) BY GLOBAL INDUSTRÍAL
- TRASH CART: TOTER HEAVY DUTY TWO-WHEEL TRASH CART #ANA64-10548 (64 GAL) BY GLOBAL INDUSTRIAL

NOTE: CONTRACTOR TO FOLLOW MANUFACTURER SPECIFICATIONS FOR TANKS INSTALLATION



PROJECT DATA

FBC TYPE OF CONSTRUCTION:

FOOTPRINT SQ FT: BUILDING SQ FT: STORIES: 1

OCCUPANCY CLASSIFICATION: OCCUPANCY LOAD: N/A

ZONING:

SCOPE OF CONSTRUCTION

NEW CONSTRUCTION OF MARINE RECYCLING **ENCLOSURE**

APPLICABLE CODES AND STANDARDS

THE FOLLOWING BUILDING CODES, CURRENT EDITIONS UNLESS OTHERWISE SPECIFIED, WILL BE ADHERED TO:

- FLORIDA BUILDING CODE 6th EDITION (2017).
- FLORIDA BUILDING ACCESSIBILITY CODE 6th **EDITION (2017)**
- FLORIDA FIRE PREVENTION CODE 6th EDITION (2017) INCLUDING, BUT NOT LIMITED TO, LIFE SAFETY CODE HANDBOOK NFPA 101 (2015 EDITION), OTHER STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND OTHER STANDARDS AS LISTED IN THE STATE FIRE MARSHALL'S RULE 69A-3.012 F.A.C.
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- FLORIDA BUILDING CODE MECHANICAL CODE 6th **EDITION (2017)**
- FLORIDA BUILDING CODE PLUMBING CODE 6th **EDITION** (2017)
- FLORIDA BUILDING CODE FUEL GAS CODE 6th **EDITION (2017)**

SEE SPECIFICATIONS FOR EXPANDED LIST OF APPLICABLE CODES.

STATEMENT OF COMPLIANCE

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINDS BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 105.12.4.4 AND 633 FLORIDA STATUTES.

GENERAL NOTES

- ALL WORK TO CONFORM WITH APPLICABLE CODES AND REGULATIONS.
- ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH, AND CONFIRM ALL EXISTING MATERIALS, QUANTITIES, DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING THEIR BID. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
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ACCORDANCE WITH FBC 105.12.4.4 AND 633 FLORIDA STATUTES.

ABOVE FINISH FLOOR

ARCHITECTURAL/ARCHITECT

CLOSED CIRCUIT TELEVISION

COMCRETE MASONRY UNIT

ALUMINUM

AVERAGE

BOTTOM OF

BOTTOM OF BEAM

CEMENT PLASTER

CORNER GUARD

BOTTOM OF CEILING

BOARD

BOTTOM

CEILING

COLUMN

CONCRETE

DIAMETER

DOWN

DOUBLE

DRAWING

ELEVATION

ELECTRICAL

EQUIPMENT

EQUAL

FINISH

FLOOR

FOOT

FOOTING

GALVANIZED

HOLLOW CORE

HOLLOW METAL

HARDWARE

HORIZONTAL

GAUGE

GLASS

EXHAUST

EXISTING

EACH WAY

FLOOR DRAIN

EXPANSION JOINT

ELECTRIC WATER COOLER

GENERAL CONTRACTOR

GYPSUM WALLBOARD

EMERGENCY

DIMENSION

CONTINUOUS

DRINKING FOUNTAIN

APPROXIMATE

ABBREVIATIONS

APPROX.

ARCH.

AVG.

BD.

B.O.

B.O.B.

B.O.C.

BOTT.

CCTV

COL.

CONC

CONT.

D.F.

DIA.

DIM.

DN.

DBL.

DWG.

EA.

ELEV.

ELEC.

EQPT.

EQ.

EXH.

E.J.

E.W.

EWC

FLR.

FTG.

GALV.

G.C.

GWB

HDW.

HM.

HORZ.

EXIST.

EMERG.

CEM. PLS

REQUIREMENTS FOR CONSTRUCTION.

- 11. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 12. DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S PROJECT MANAGER.

SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINDS BY THE LOCAL AUTHORITY IN

HIGH POINT

INTERIOR

JOINT

POUND

METAL

MINIMUM

MATERIAL

NUMBER NOT TO SCALE

PLATE

PLYWOOD

RADIUS

SHEET

SYSTEM

TEMPERED

TOP OF BEAM

TOP OF SLAB

TOP OF WALL

TYPICAL

VERTICAL

WITHOUT

WOOD

TOP OF PARAPET

REQUIRED

SOLID CORE SIMILAR

LOW POINT

MAXIMUM

MECHANICAL

MEMBRANE

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

OWNER PROVIDED,

PLASTIC LAMINATE

PREFABRICATED

REINFORCEMENT

SPECIFICATION

STAINLESS STEEL

SUSPEND, SUSPENDED

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE

WIRE WELDED FABRIC

POLYVINYL CHLORIDA

CONTRACTOR INSTALLED

INSULATE, INSULATION

INSUL

MAX.

MECH.

MEMB.

MANUF

O.F.C.I.

PLYWD.

PREFAB.

PVC

REQ.

SC.

SHT.

S.S.

SUSP

SYS.

TEMP.

T&G

T.O.B.

T.O.S.

T.O.P.

T.O.W.

U.N.O.

TYP.

VERT

WD.

W/O

SPEC.

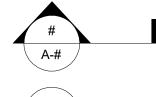
REINF.

MET.

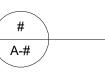
- ALL TRADE CONTRACTORS SHALL VERIFY ALL UTILITIES, AND PLACEMENT LOCATIONS OF PIPE CONDUIT, EQUIPMENT, DUCTWORK, ETC., PRIOR TO SUBMITTING BIDS. COORDINATE TO SCHEDULE WALK-
- WHERE CONFLICTS EXIST AND OR VARIANCES EXIST IN THE DRAWINGS, THE ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, AND HIGHER COST SHALL BE INCLUDED ON THE BID PRICE. THE ARCHITECT WILL HAVE THE FINAL DECISION REGARDING ITEM AND MANNER IN WHICH WORK SHALL BE INSTALLED.
- SUPPORT WIRES FOR CEILINGS, SOFFITS, ETC. SHALL NOT BE CONNECTED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING, ETC.
- ALL DETAILS SECTIONS, DIAGRAMS, ETC. ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE PROJECT.
- THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS BY THE BUILDING AUTHORITIES. COST OF SPECIAL INSPECTORS SHALL BE INCLUDED IN THE PROJECT COST IF NECESSARY.
- THE CONTRACTOR SHALL PROVIDE SAMPLES OF ALL SPECIFIED FINISH MATERIALS (I.E. CERAMIC TILE, VINYL TILE, WALL COVERING, ETC.) PRIOR TO INSTALLATION.
- 19. PENETRATIONS OF FIRE RATED WALL, CEILING OR FLOOR/ CEILING ASSEMBLIES ARE TO BE PROTECTED WITH U.L. LISTED ASSEMBLIES. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF RATED
- SHOP DRAWING SUBMITTALS TO BE REVIEWED AND APPROVED BY THE COUNTY (WHERE APPLICABLE AND REQUIRED BY PERMIT AUTHORITIES) ARE TO BE PROVIDED BY CONTRACTOR.

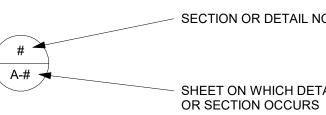
SYMBOL LEGEND

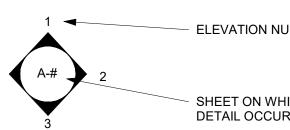
NEW GWB/STUD PARTITION **EXISTING WALLS/STRUCTURE** TO REMAIN ITEMS TO BE REMOVED (DEMOLITION PLAN)



WALL SECTION



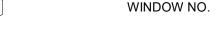












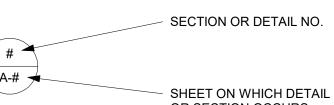
STOREFRONT TYPE/NO.

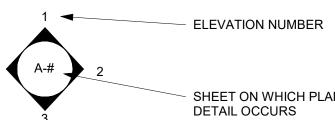
ROOM NAME/NO.





DETAIL OR SECTION





SHEET ON WHICH PLAN

5

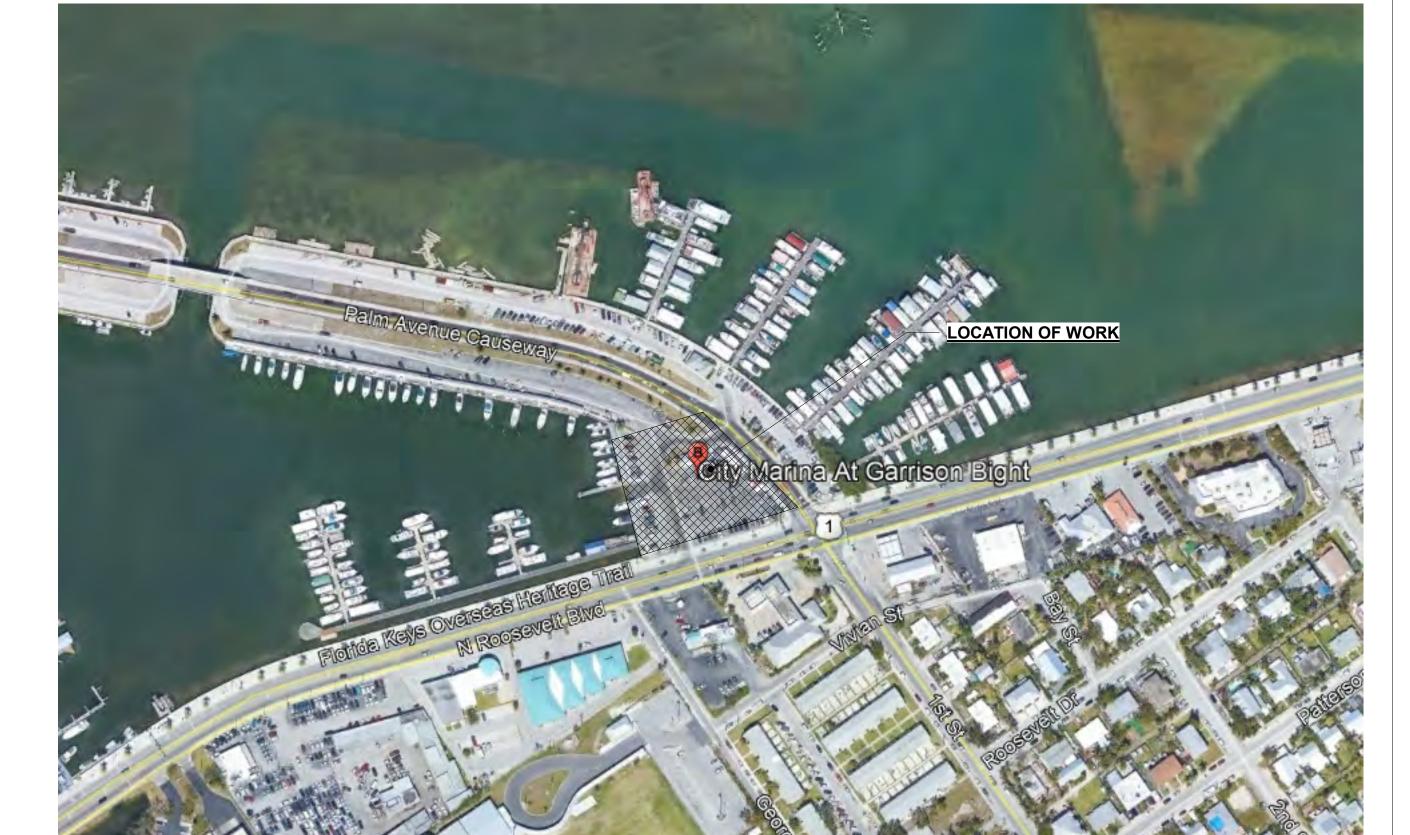
DOOR NO.











SHEET

NO.

GENERAL NOTES

FLOOR PLANS - GARRISON BIGHT

EXTERIOR ELEVATIONS - GARRISON BIGHT

SECTIONS AND DETAILS - GARRISON BIGHT

SHEET INDEX ARCH.

SHEET NAME

X

X

 $X \mid X \mid X$

X X X

X

X



	REVISION	
Ο.	DATE	REVISION DESCRIPTION
	07/29/2021	BUILDING DEPT. COMMENTS

By Appd. YY.MM.DD Issued

Consultants -ERGUSON **S**CHUSTER **5**010, INC. Architecture Planning Interior Design 901 ponce de leon blvd. ste. 304 coral gables, florida 33134

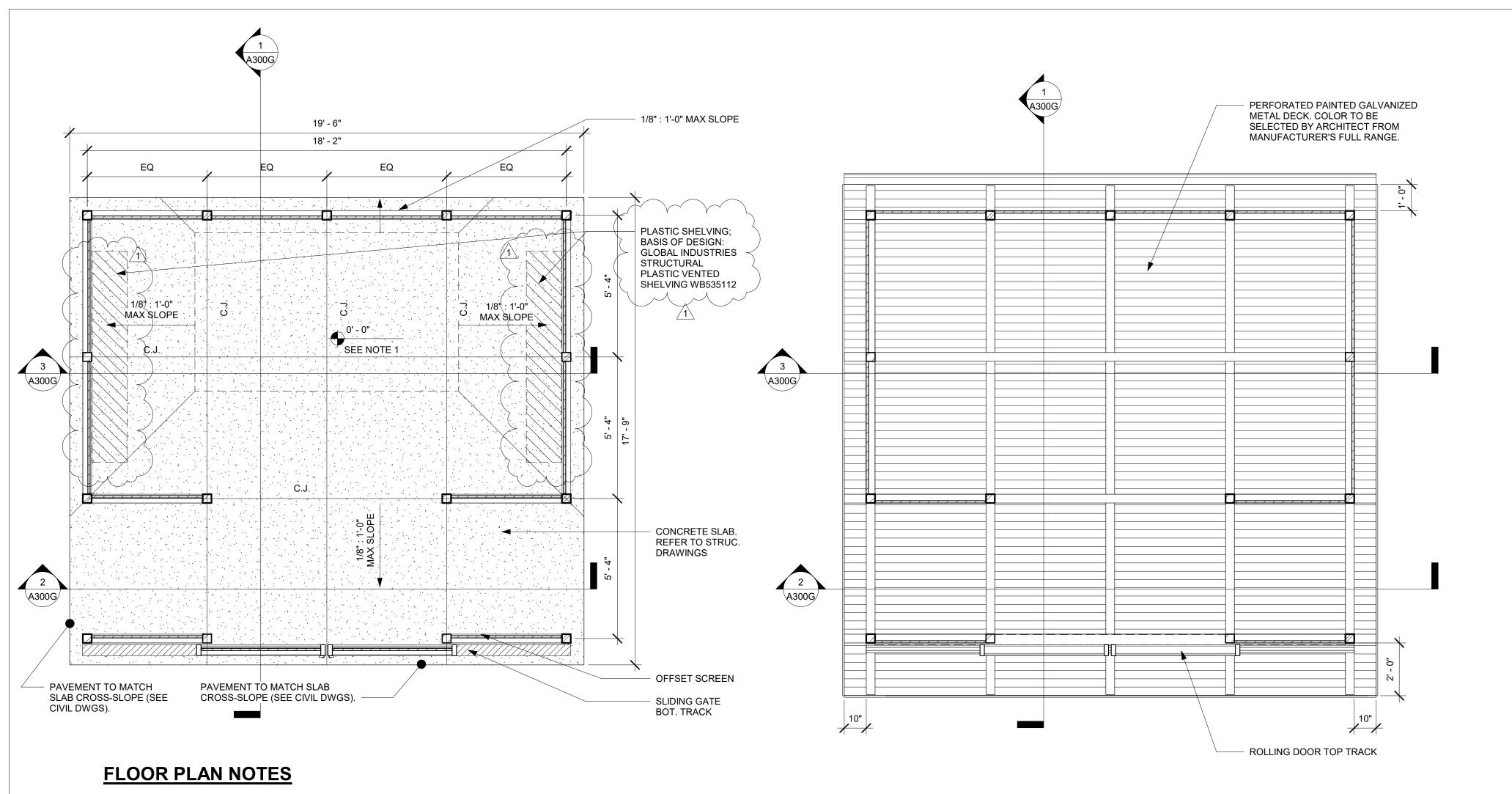


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Client/Project WASTE TRANSFER STATIONS CITY OF KEY WEST KEY WEST, FLORIDA

Dwn. Chkd. Dsgn. YY.MM.DD

GENERAL NOTES Project No. Scale 215614441 Drawing No. Revision G001 of 4



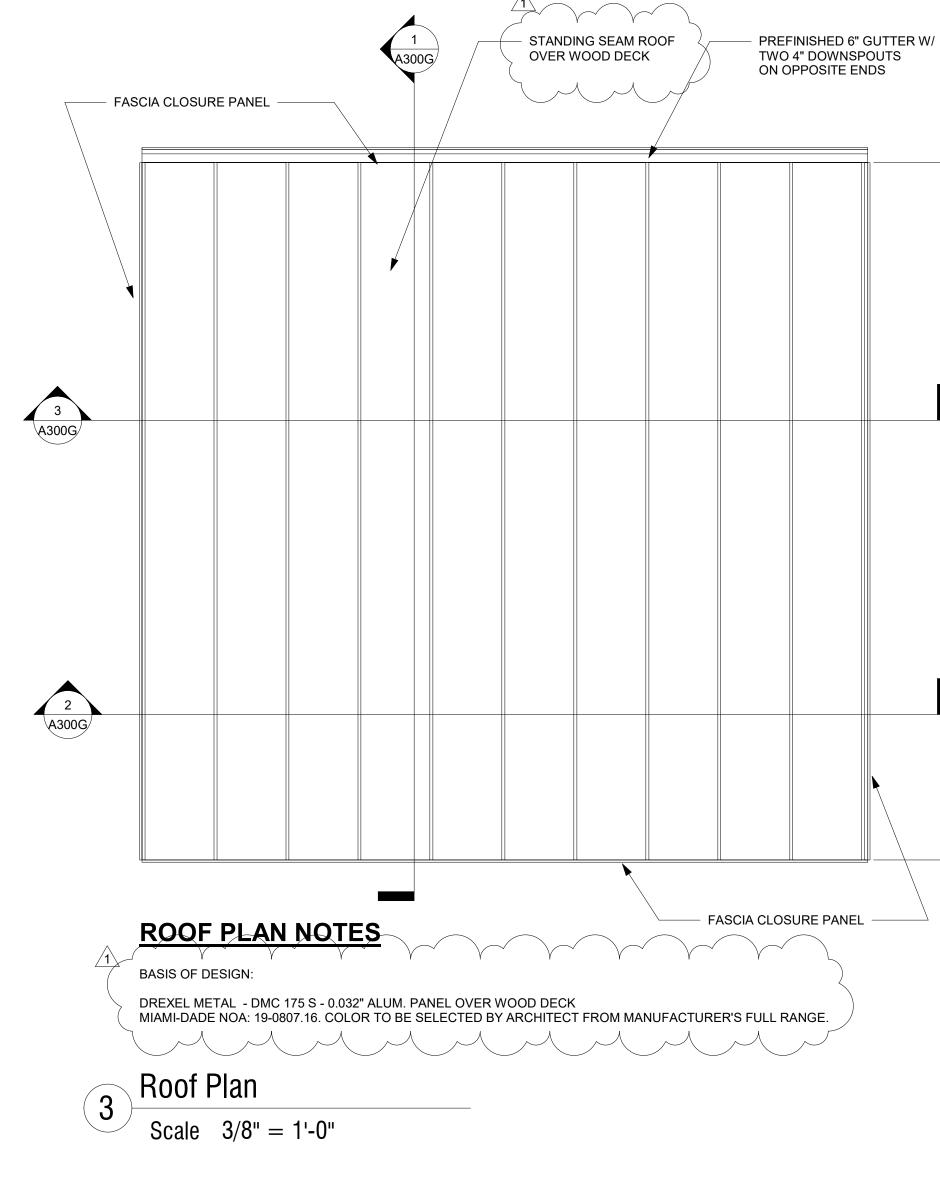
By Appd. YY.MM.DD

1. REFER TO CIVIL SITE PLANS FOR N.G.V.D. FINISHED FLOOR ELEVATIONS

Floor Plan

Reflected Ceiling Plan

Scale 3/8" = 1'-0"



NO. REVISION DATE REVISION DESCRIPTION

1 07/29/2021 BUILDING DEPT. COMMENTS

ORIGINAL SHEET - ANSI D HORIZ

Issued

Consultants

Consu

Stantec
901 Ponce de Leon Blvd. Suite 900
Coral Gables, Florida 33134
www.stantec.com

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Client/Project
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

Title
FLOOR PLANS - GARRISON BIGHT

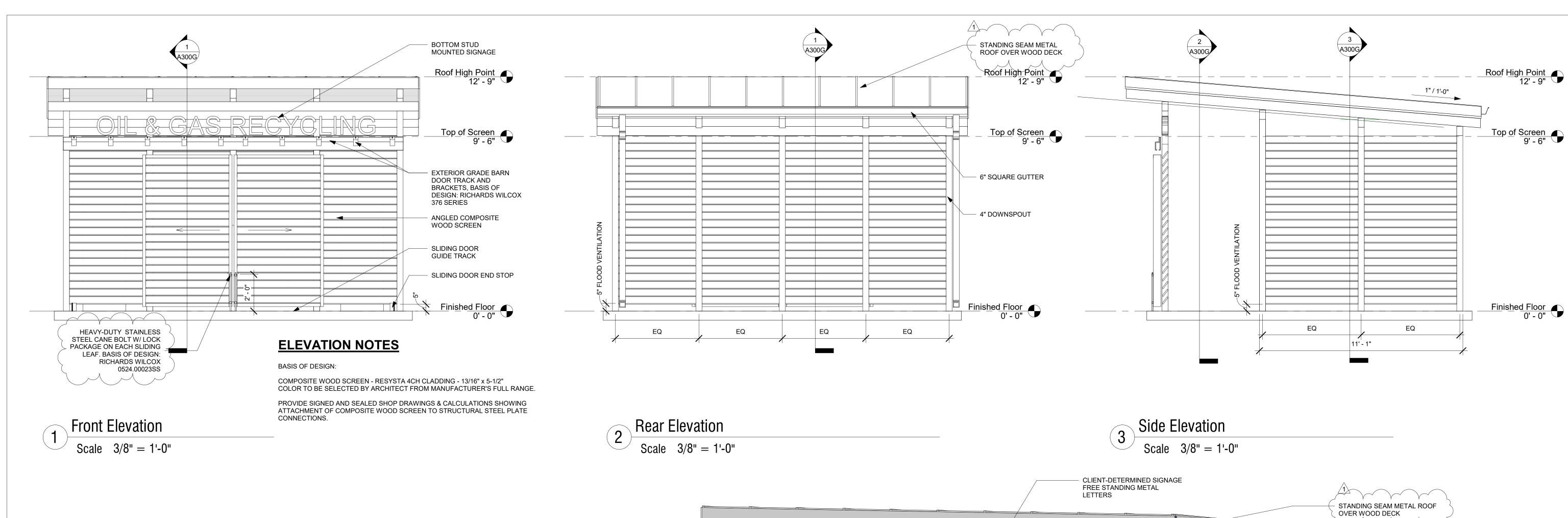
Project No. Scale
215614441

Drawing No. Sheet Revisi

File Name: 2020/03/03

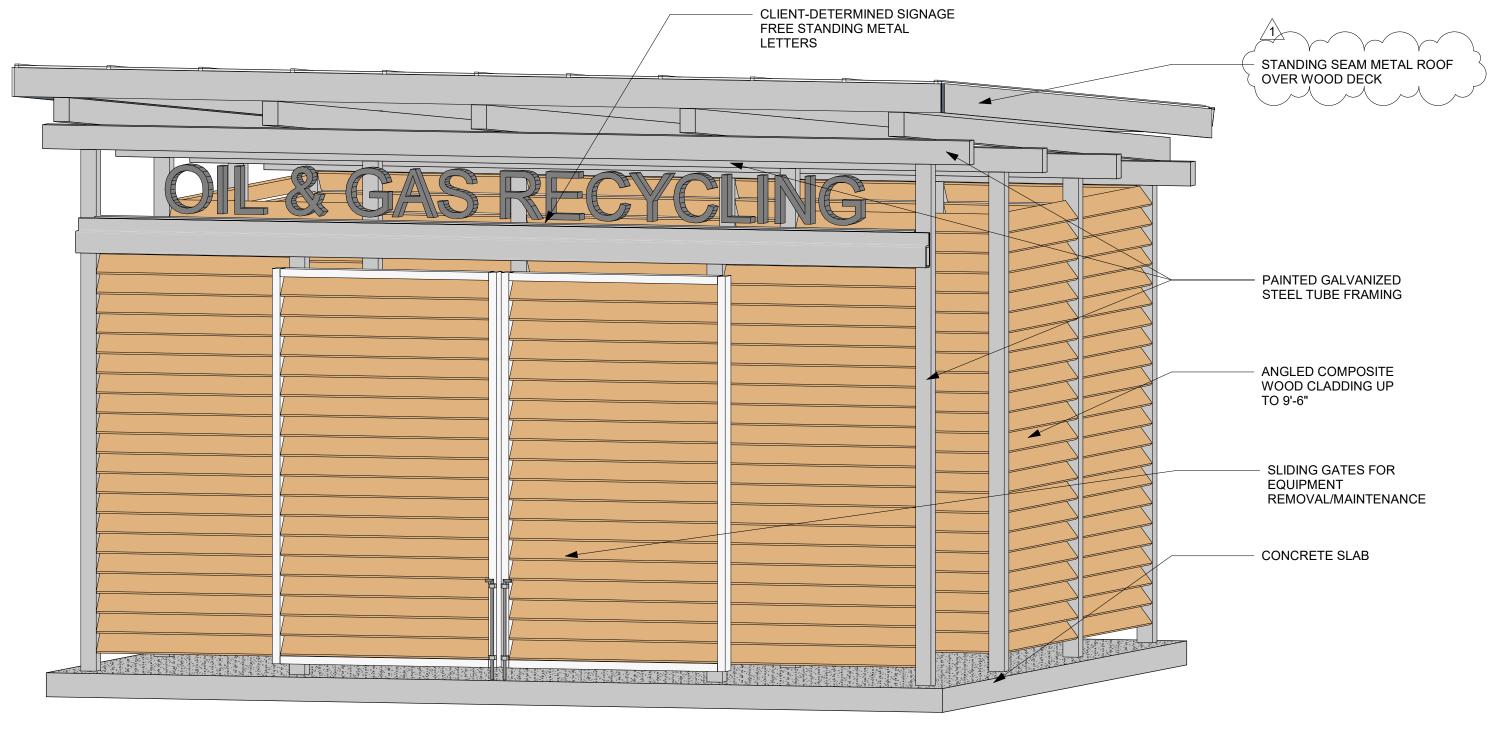
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Sheet Revision A101G 4





ORIGINAL SHEET - ANSI D HORIZ





REVISION NO. DATE REVISION DESCRIPTION		Seal	Consultants
07/29/2021 BUILDING DEPT. COMMENTS			CERGUSO CO
			Architecture Planning Interior D
			901 ponce de leon blvd. ste. 304 305 coral gables, florida 33134
	Issued By Appd.	YY.MM.DD	

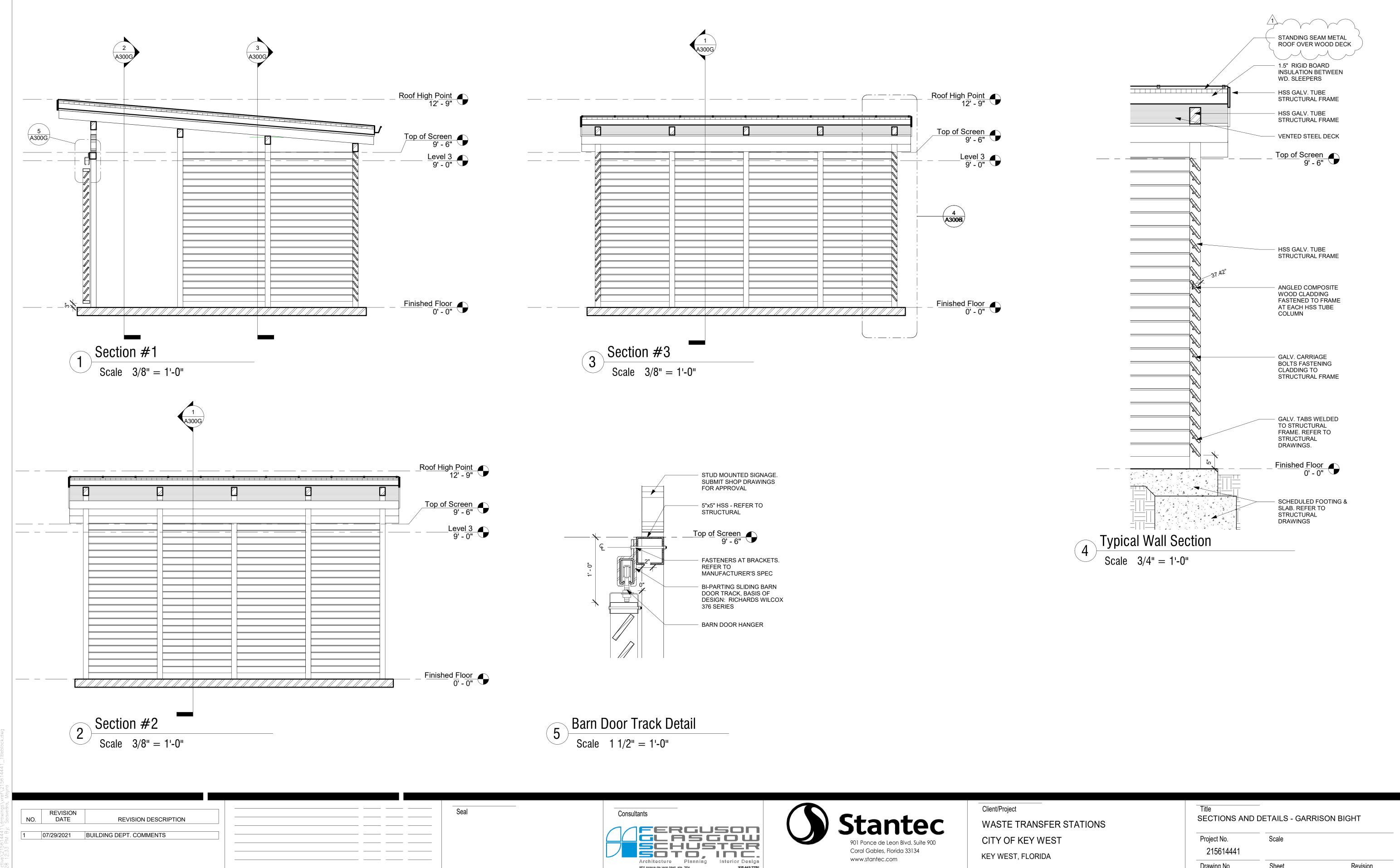




	Coral Gables, Florida 33134
	www.stantec.com
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Client/Project
•
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

Title	_	
EXTERIOR ELE	VATIONS - GARR	ISON BIGHT
Project No.	Scale	
215614441		
Drawing No.	Sheet	Revision
	A200G	4



901 ponce de leon blvd. sts. 304 coral gables, florida 33134

By Appd. YY.MM.DD

Issued

www.stantec.com

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Revision

A300G 4

Drawing No.

 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD

PROJECT DATA

FBC TYPE OF CONSTRUCTION:

FOOTPRINT SQ FT: BUILDING SQ FT: STORIES: 1

OCCUPANCY CLASSIFICATION: OCCUPANCY LOAD: N/A

ZONING:

SCOPE OF CONSTRUCTION

NEW CONSTRUCTION OF MARINE RECYCLING **ENCLOSURE**

APPLICABLE CODES AND STANDARDS

THE FOLLOWING BUILDING CODES, CURRENT EDITIONS UNLESS OTHERWISE SPECIFIED, WILL BE ADHERED TO:

- FLORIDA BUILDING CODE 6th EDITION (2017).
- FLORIDA BUILDING ACCESSIBILITY CODE 6th **EDITION (2017)**
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- FLORIDA BUILDING CODE MECHANICAL CODE 6th
- FLORIDA BUILDING CODE PLUMBING CODE 6th
- FLORIDA BUILDING CODE FUEL GAS CODE 6th

SEE SPECIFICATIONS FOR EXPANDED LIST OF APPLICABLE CODES.

STATEMENT OF COMPLIANCE

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ARCHITECTURAL/ARCHITECT

CLOSED CIRCUIT TELEVISION

COMCRETE MASONRY UNIT

ALUMINUM

AVERAGE

BOTTOM OF

BOTTOM OF BEAM

CEMENT PLASTER

CORNER GUARD

BOTTOM OF CEILING

BOARD

BOTTOM

CEILING

COLUMN

CONCRETE

DIAMETER

DIMENSION

DOWN

DOUBLE

DRAWING

ELEVATION

ELECTRICAL

EQUIPMENT

EQUAL

FINISH

FLOOR

FOOT

FOOTING

GALVANIZED

HOLLOW CORE

HOLLOW METAL

HARDWARE

HORIZONTAL

GAUGE

GLASS

EXHAUST

EXISTING

EACH WAY

FLOOR DRAIN

EXPANSION JOINT

ELECTRIC WATER COOLER

GENERAL CONTRACTOR

GYPSUM WALLBOARD

EMERGENCY

CONTINUOUS

DRINKING FOUNTAIN

APPROXIMATE

ABBREVIATIONS

APPROX.

ARCH.

AVG.

BD.

B.O.

B.O.B.

B.O.C.

BOTT.

CCTV

COL.

CONC

CONT.

D.F.

DIA.

DIM.

DN.

DBL.

DWG.

EA.

ELEV. ELEC.

EMERG.

EQPT.

EQ.

EXH.

E.J.

E.W.

EWC

FLR.

FTG.

GALV.

G.C.

GWB

HC.

HDW.

HM.

Issued

HORZ.

EXIST.

CEM. PLS

REQUIREMENTS FOR CONSTRUCTION.

- 11. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 12. DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S PROJECT MANAGER.

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HIGH POINT

INTERIOR

POUND

METAL

MINIMUM

MATERIAL

NUMBER NOT TO SCALE

PLATE

PLYWOOD

RADIUS

SIMILAR

SYSTEM

TEMPERED

TOP OF BEAM

TOP OF SLAB

TOP OF WALL

TYPICAL

VERTICAL

WITHOUT

WOOD

TOP OF PARAPET

SHEET

REQUIRED

SOLID CORE

LOW POINT

MAXIMUM

MECHANICAL

MEMBRANE

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

OWNER PROVIDED,

PLASTIC LAMINATE

PREFABRICATED

REINFORCEMENT

SPECIFICATION

STAINLESS STEEL

SUSPEND, SUSPENDED

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE

WIRE WELDED FABRIC

POLYVINYL CHLORIDA

CONTRACTOR INSTALLED

INSULATE, INSULATION

INSUL

MECH.

MET.

MANUF

O.F.C.I.

P. LAM

PLYWD.

PREFAB.

PVC

REQ.

SC.

SIM.

SHT.

S.S.

SUSP

SYS.

TEMP.

T&G

T.O.B.

T.O.S.

T.O.P.

TYP.

T.O.W.

U.N.O.

VERT.

WD.

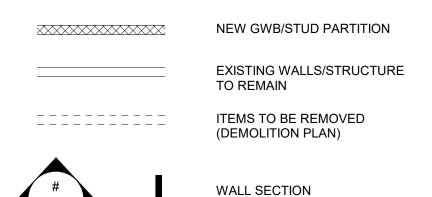
W/O WWF

SPEC.

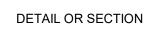
REINF.

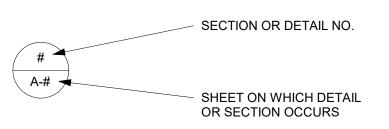
- 13. ALL TRADE CONTRACTORS SHALL VERIFY ALL UTILITIES, AND PLACEMENT LOCATIONS OF PIPE CONDUIT, EQUIPMENT, DUCTWORK, ETC., PRIOR TO SUBMITTING BIDS. COORDINATE TO SCHEDULE WALK-
- WHERE CONFLICTS EXIST AND OR VARIANCES EXIST IN THE DRAWINGS, THE ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, AND HIGHER COST SHALL BE INCLUDED ON THE BID PRICE. THE ARCHITECT WILL HAVE THE FINAL DECISION REGARDING ITEM AND MANNER IN WHICH WORK SHALL BE INSTALLED.
- SUPPORT WIRES FOR CEILINGS, SOFFITS, ETC. SHALL NOT BE CONNECTED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING, ETC.
- ALL DETAILS SECTIONS, DIAGRAMS, ETC. ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE PROJECT.
- THE CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS BY THE BUILDING AUTHORITIES. COST OF SPECIAL INSPECTORS SHALL BE INCLUDED IN THE PROJECT COST IF NECESSARY.
- THE CONTRACTOR SHALL PROVIDE SAMPLES OF ALL SPECIFIED FINISH MATERIALS (I.E. CERAMIC TILE, VINYL TILE, WALL COVERING, ETC.) PRIOR TO INSTALLATION.
- 19. PENETRATIONS OF FIRE RATED WALL, CEILING OR FLOOR/ CEILING ASSEMBLIES ARE TO BE PROTECTED WITH U.L. LISTED ASSEMBLIES. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF RATED
- SHOP DRAWING SUBMITTALS TO BE REVIEWED AND APPROVED BY THE COUNTY (WHERE APPLICABLE AND REQUIRED BY PERMIT AUTHORITIES) ARE TO BE PROVIDED BY CONTRACTOR.

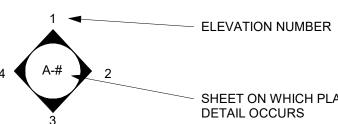
SYMBOL LEGEND











SHEET ON WHICH PLAN



WINDOW NO.



BREAK OR CUT LINE

WALL TYPE DOOR NO.

(SF1) STOREFRONT TYPE/NO.

LOCATION PLAN

REVISION DATE	REVISION DESCRIPTION		 Seal	Consultants
7/29/2021	BUILDING DEPT. COMMENTS			
		~ ——————————————————————————————————		SCHUSTER
				SOTO. INC.
				Architecture Planning Interior Design
				and course do loss blad six and

By Appd. YY.MM.DD



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Client/Project WASTE TRANSFER STATIONS CITY OF KEY WEST KEY WEST, FLORIDA

SHEET

NO.

A300K

GENERAL NOTES

FLOOR PLANS - KEY WEST

EXTERIOR ELEVATIONS - KEY WEST

SECTIONS AND DETAILS - KEY WEST

Dwn. Chkd. Dsgn. YY.MM.DD

GENERAL NOTES Project No. Scale 215614441 Drawing No. Revision G001 of 4

SHEET INDEX ARCH.

SHEET NAME

LOCATION OF WORK

X

Χ

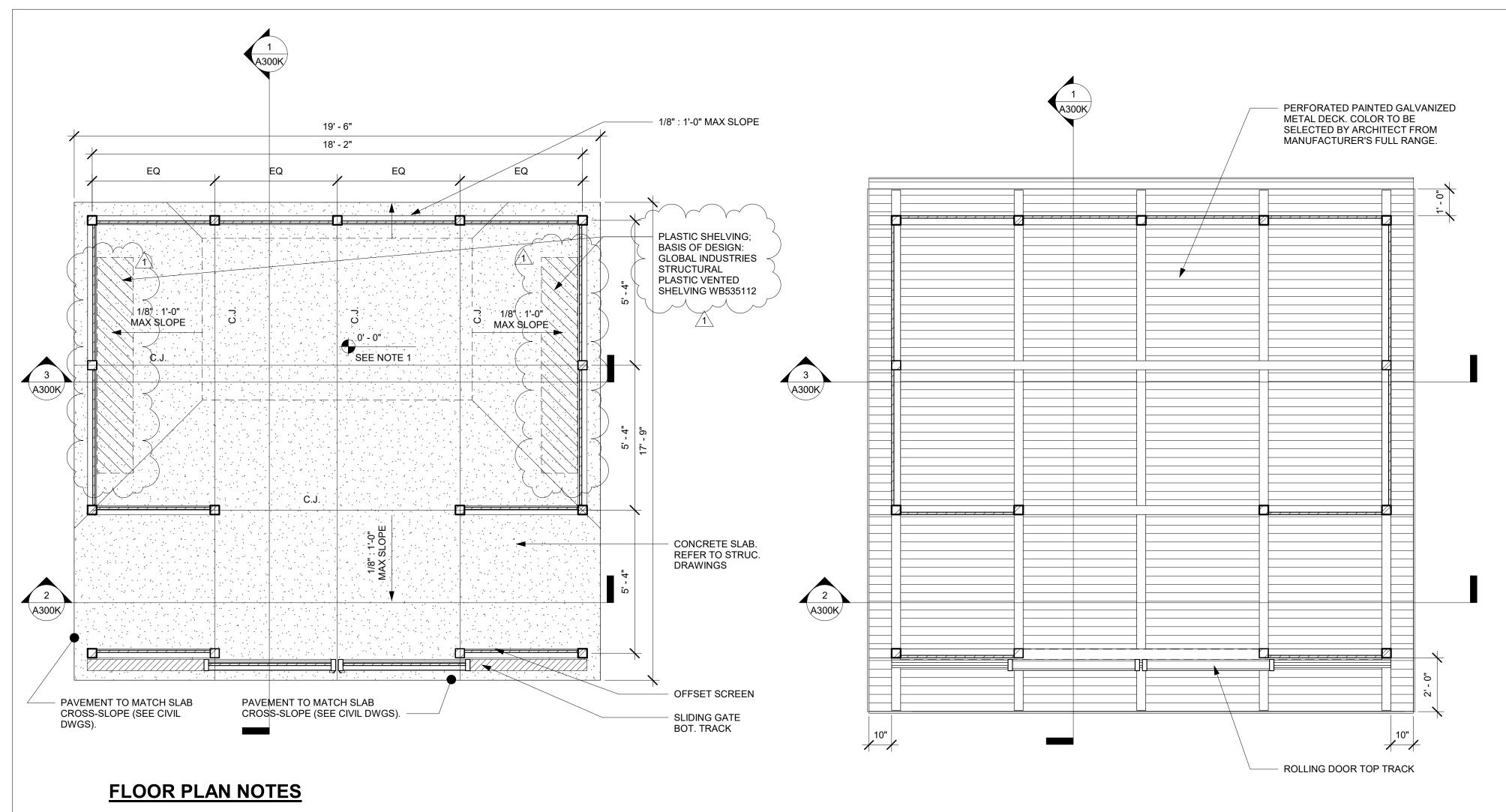
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X

ORIGINAL SHEET - ANSI D HORIZ

NO. DATE

1 07/29/2021

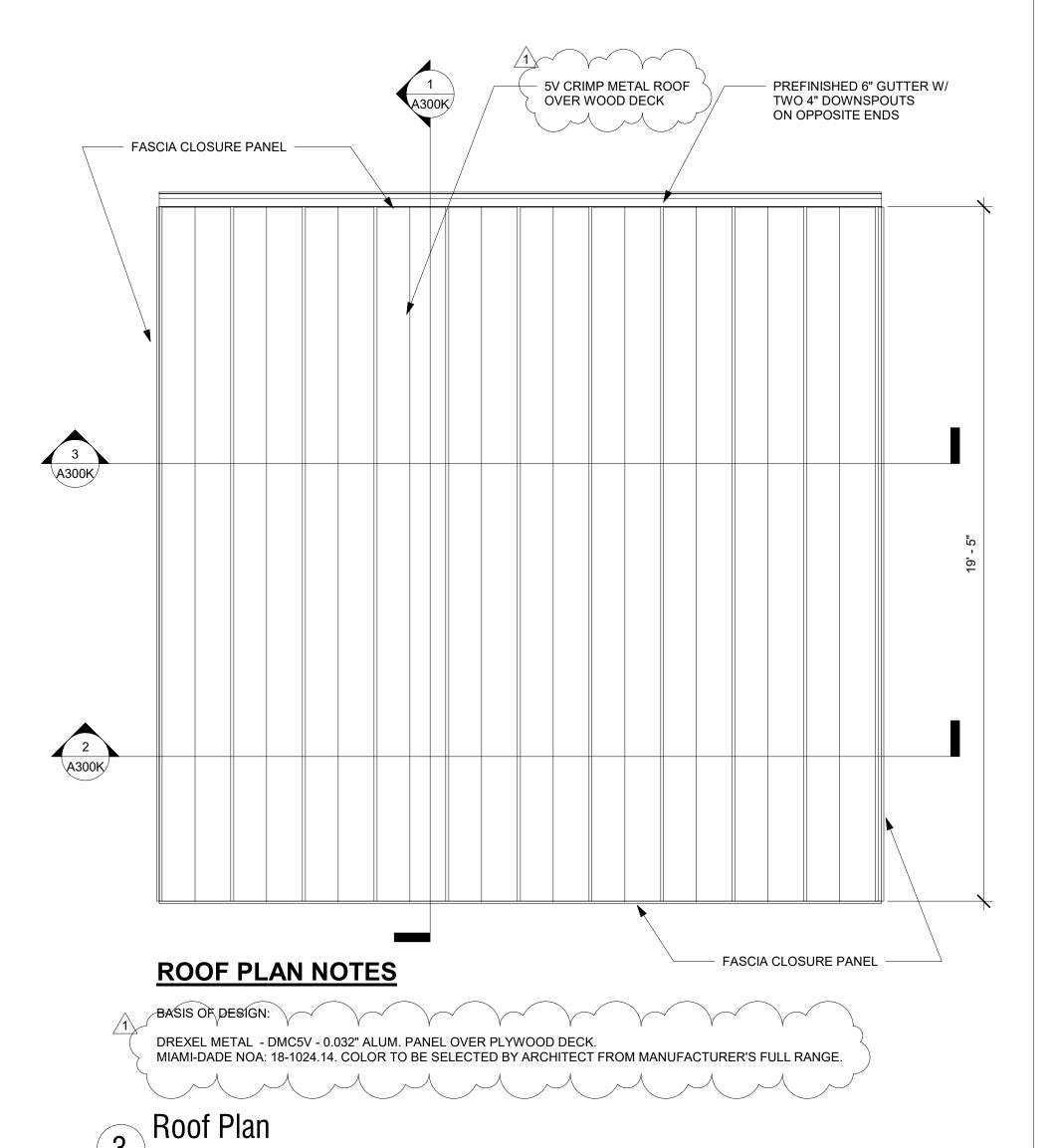


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REFER TO CIVIL SITE PLANS FOR N.G.V.D. FINISHED FLOOR ELEVATIONS

Floor Plan

Reflected Ceiling Plan



NO. REVISION DATE REVISION DESCRIPTION 1 07/29/2021 BUILDING DEPT. COMMENTS

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Consultants FERGUSON
GLASGOW
SCHUSTER
SOTO, INC.
Architecture Planning Interior Design
901 nonce de leon blvd. sits. 304
305.443.7758 901 ponce de leon blvd. sts. 304 coral gables, florida 33134

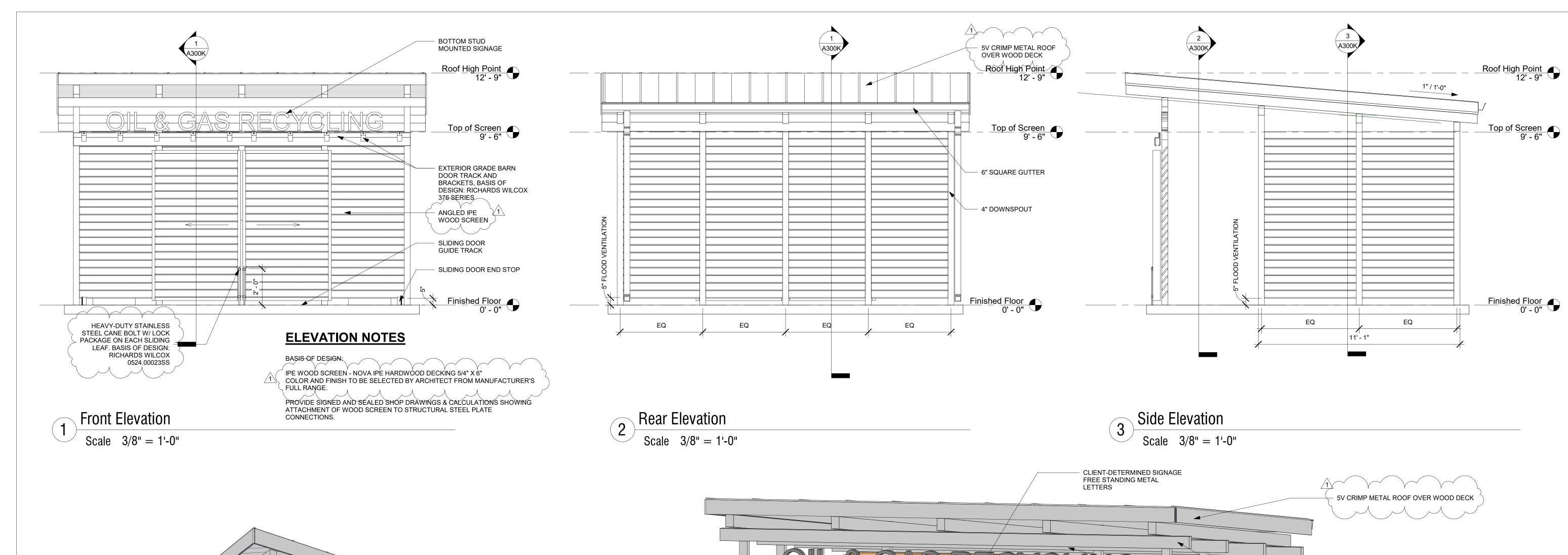
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Client/Project WASTE TRANSFER STATIONS CITY OF KEY WEST KEY WEST, FLORIDA

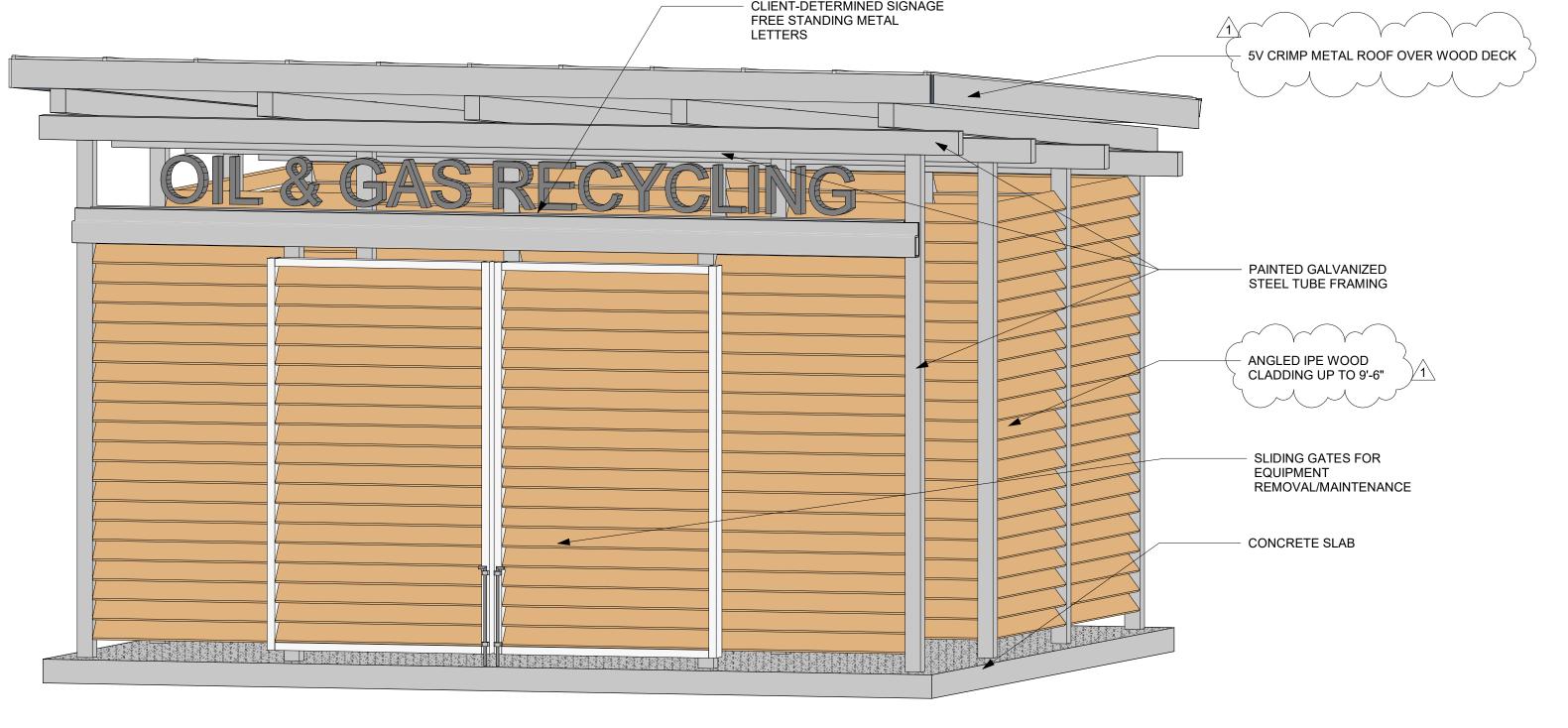
2020/03/03 Dwn. Chkd. Dsgn. YY.MM.DD

FLOOR PLANS - KEY WEST Scale Project No. 215614441 Drawing No. Revision A101K 4





ORIGINAL SHEET - ANSI D HORIZ



File Name:

Perspective View 2

REVISION DATE Consultants REVISION DESCRIPTION 1 07/29/2021 BUILDING DEPT. COMMENTS 901 ponce de leon blvd. sts. 304 coral gables, florida 33134 By Appd. YY.MM.DD Issued



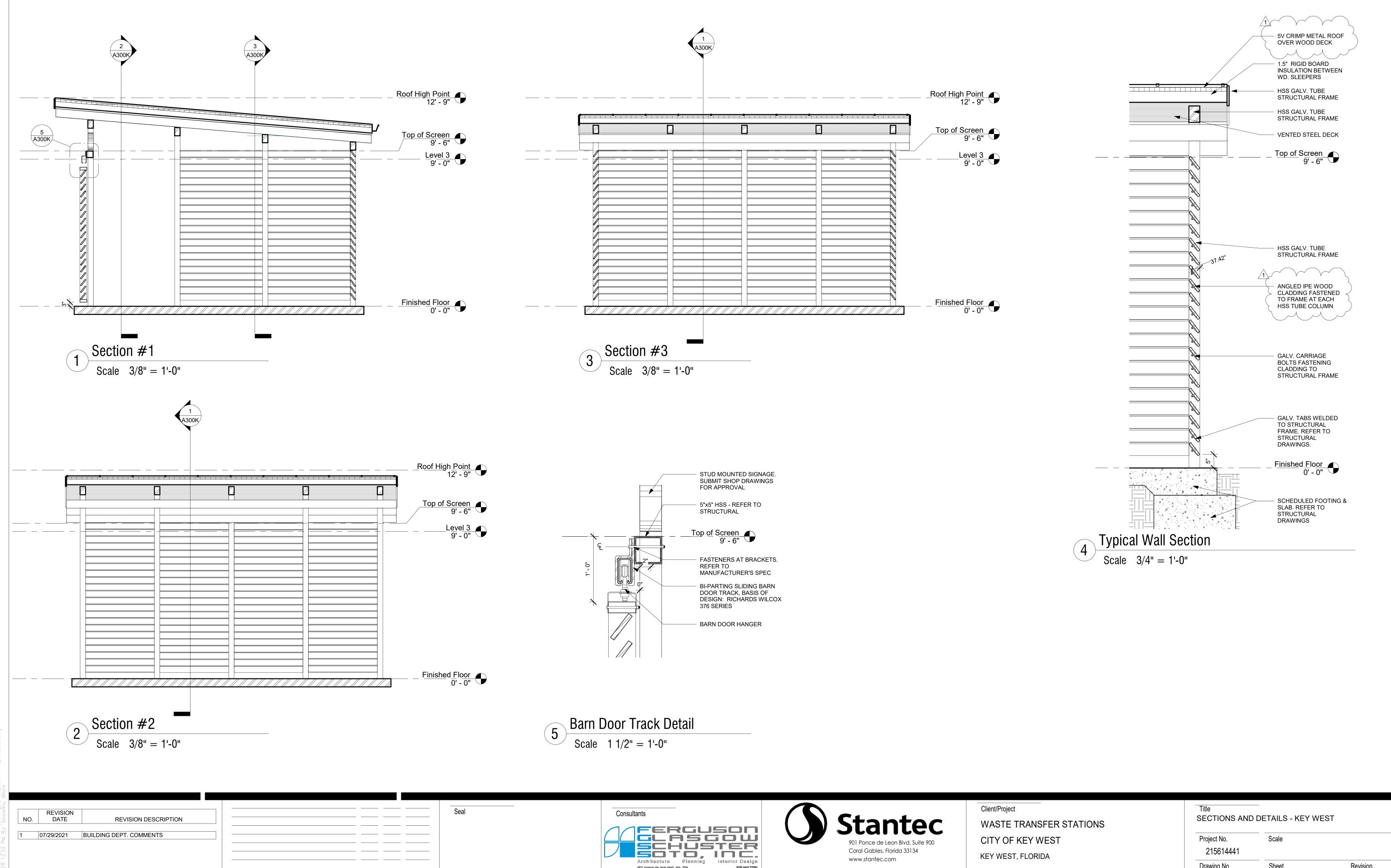


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2020/03/0.

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Title	_		
EXTERIOR ELE	VATIONS - KEY V	VEST	
Project No.	Scale		
215614441			
Drawing No.	Sheet		Revision
	A200K	4	



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Revision

A300K 4

Drawing No.

 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD

PROJECT DATA

FBC TYPE OF CONSTRUCTION:

FOOTPRINT SQ FT: BUILDING SQ FT: STORIES: 1

OCCUPANCY CLASSIFICATION: OCCUPANCY LOAD: N/A

ZONING:

SCOPE OF CONSTRUCTION

NEW CONSTRUCTION OF MARINE RECYCLING **ENCLOSURE**

APPLICABLE CODES AND STANDARDS

THE FOLLOWING BUILDING CODES, CURRENT EDITIONS UNLESS OTHERWISE SPECIFIED, WILL BE ADHERED TO:

- FLORIDA BUILDING CODE 6th EDITION (2017).
- FLORIDA BUILDING ACCESSIBILITY CODE 6th **EDITION (2017)**
- FLORIDA FIRE PREVENTION CODE 6th EDITION (2017) INCLUDING, BUT NOT LIMITED TO, LIFE SAFETY CODE HANDBOOK NFPA 101 (2015 EDITION), OTHER STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND OTHER STANDARDS AS LISTED IN THE STATE FIRE MARSHALL'S RULE 69A-3.012 F.A.C.
- NFPA 241 FIRE CODE REQUIREMENTS DURING CONSTRUCTION
- OSHA GUIDELINES
- FLORIDA BUILDING CODE TEST PROTOCOLS (HIGH VELOCITY HURRICANE ZONES 6th EDITION
- FLORIDA BUILDING CODE MECHANICAL CODE 6th **EDITION (2017)**
- FLORIDA BUILDING CODE PLUMBING CODE 6th **EDITION** (2017)
- FLORIDA BUILDING CODE FUEL GAS CODE 6th **EDITION (2017)**

SEE SPECIFICATIONS FOR EXPANDED LIST OF APPLICABLE CODES.

STATEMENT OF COMPLIANCE

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINDS BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 105.12.4.4 AND 633 FLORIDA STATUTES.

GENERAL NOTES

- ALL WORK TO CONFORM WITH APPLICABLE CODES AND REGULATIONS.
- ALL CONTRACTORS ARE TO FAMILIARIZE THEMSELVES WITH, AND CONFIRM ALL EXISTING MATERIALS, QUANTITIES, DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING THEIR BID. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- NO SUBSTITUTIONS UNLESS AUTHORIZED BY ARCHITECT, IN WRITING PRIOR TO THE BID OPENING.
- ALL MATERIALS FURNISHED ON THE JOB SITE SHALL BE NEW AND STORED IN SUCH A MANNER AS TO PROTECT THEM FROM THE
- ALL CONTRACTORS ARE TO KEEP THE JOB SITE CLEAN AND FREE OF ALL DEBRIS AT ALL TIMES.
- CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING MATERIALS, FINISHES AND EQUIPMENT THAT ARE SCHEDULED TO
- ALL PUBLIC AREAS OF THE BUILDING ARE TO BE PROTECTED DURING CONSTRUCTION AND DELIVERIES. CLEAN CARPET MATS ARE TO BE
- LOCATED AT EACH ENTRANCE / EXIT TO ALL WORK AREAS AT ALL TIMES. CONTRACTOR IS TO ABIDE BY ALL MANAGEMENT AND OWNER
- DO NOT SCALE DRAWINGS. DIMENSION AND/OR EXISTING CONDITIONS GOVERN. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE BEST PRACTICES OF THE CONSTRUCTION TRADE.

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, THESE PLANS AND

ACCORDANCE WITH FBC 105.12.4.4 AND 633 FLORIDA STATUTES.

ABOVE FINISH FLOOR

ARCHITECTURAL/ARCHITECT

CLOSED CIRCUIT TELEVISION

COMCRETE MASONRY UNIT

ALUMINUM

AVERAGE

BOTTOM OF

BOTTOM OF BEAM

CEMENT PLASTER

CORNER GUARD

BOTTOM OF CEILING

BOARD

BOTTOM

CEILING

COLUMN

CONCRETE

DIAMETER

DOWN

DOUBLE

DRAWING

ELEVATION

ELECTRICAL

EQUIPMENT

EQUAL

FINISH

FLOOR

FOOT

FOOTING

GALVANIZED

HOLLOW CORE

HOLLOW METAL

HARDWARE

HORIZONTAL

GAUGE

GLASS

EXHAUST

EXISTING

EACH WAY

FLOOR DRAIN

EXPANSION JOINT

ELECTRIC WATER COOLER

GENERAL CONTRACTOR

GYPSUM WALLBOARD

EMERGENCY

DIMENSION

CONTINUOUS

DRINKING FOUNTAIN

APPROXIMATE

ABBREVIATIONS

APPROX.

ARCH.

AVG.

BD.

B.O.

B.O.B.

B.O.C.

BOTT.

CCTV

COL.

CONC

CONT.

D.F.

DIA.

DIM.

DN.

DBL.

DWG.

EA.

ELEV. ELEC.

EMERG.

EQPT.

EQ.

EXH.

E.J.

E.W.

EWC

FLR.

FTG.

GALV.

G.C.

GWB

HDW.

HM.

HORZ.

EXIST.

CEM. PLS

REQUIREMENTS FOR CONSTRUCTION.

- 11. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 12. DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S PROJECT MANAGER.

SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINDS BY THE LOCAL AUTHORITY IN

HIGH POINT

INTERIOR

JOINT

METAL

MINIMUM

MATERIAL

NUMBER NOT TO SCALE

PLATE

PLYWOOD

RADIUS

SIMILAR

SYSTEM

TEMPERED

TOP OF BEAM

TOP OF SLAB

TOP OF WALL

TYPICAL

VERTICAL

WITHOUT

WOOD

TOP OF PARAPET

SHEET

REQUIRED

SOLID CORE

POUND

LOW POINT

MAXIMUM

MECHANICAL

MEMBRANE

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

OWNER PROVIDED,

PLASTIC LAMINATE

PREFABRICATED

REINFORCEMENT

SPECIFICATION

STAINLESS STEEL

SUSPEND, SUSPENDED

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE

WIRE WELDED FABRIC

POLYVINYL CHLORIDA

CONTRACTOR INSTALLED

INSULATE, INSULATION

INSUL

MAX.

MECH.

MEMB.

MANUF

O.F.C.I.

PLYWD.

PREFAB.

PVC

REQ.

SC.

SIM.

SHT.

S.S.

SUSP

SYS.

TEMP.

T&G

T.O.B.

T.O.S.

T.O.P.

T.O.W.

U.N.O.

TYP.

VERT

WD.

W/O

WWF

SPEC.

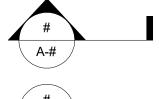
REINF.

MET.

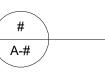
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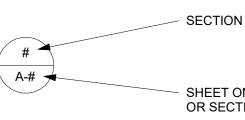
SYMBOL LEGEND

NEW GWB/STUD PARTITION **EXISTING WALLS/STRUCTURE** TO REMAIN ITEMS TO BE REMOVED (DEMOLITION PLAN)



WALL SECTION







SHEET ON WHICH PLAN



WALL TYPE





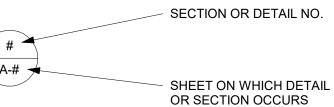
EXIST. DOOR

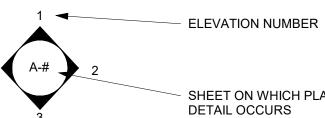






DETAIL OR SECTION





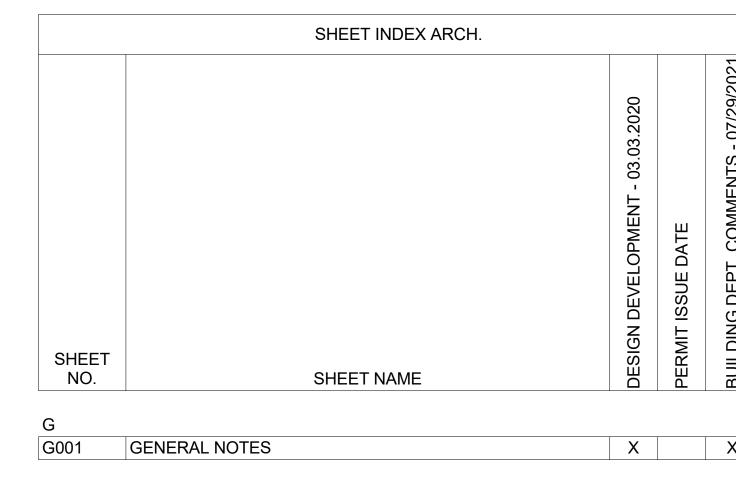
STOREFRONT TYPE/NO.

ROOM NAME

BREAK OR CUT LINE

ROOM NAME/NO.





ı			
001	GENERAL NOTES	Χ	Χ
101R	FLOOR PLANS - ROCKLAND		Χ
200R	EXTERIOR ELEVATIONS - ROCKLAND		Χ
300R	SECTIONS AND DETAILS - ROCKLAND		Χ



REVISION REVISION DESCRIPTION DATE 1 07/29/2021 BUILDING DEPT. COMMENTS

By Appd. YY.MM.DD Issued

Consultants FERGUSON GLASGOW **S**CHUSTER **5**010, INC. Architecture Planning Interior Design 901 ponce de leon blvd. ste. 304 coral gables, florida 33134

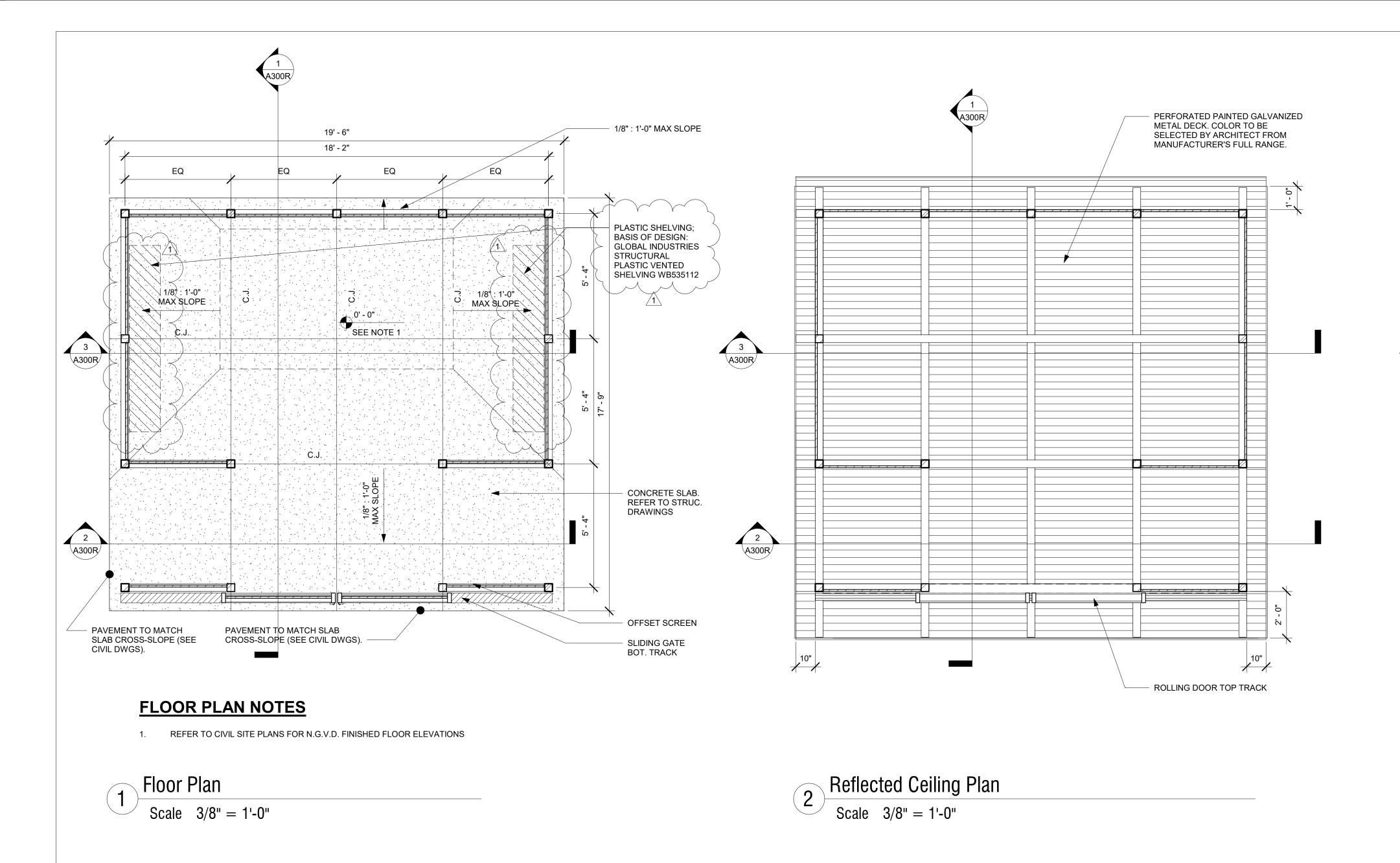


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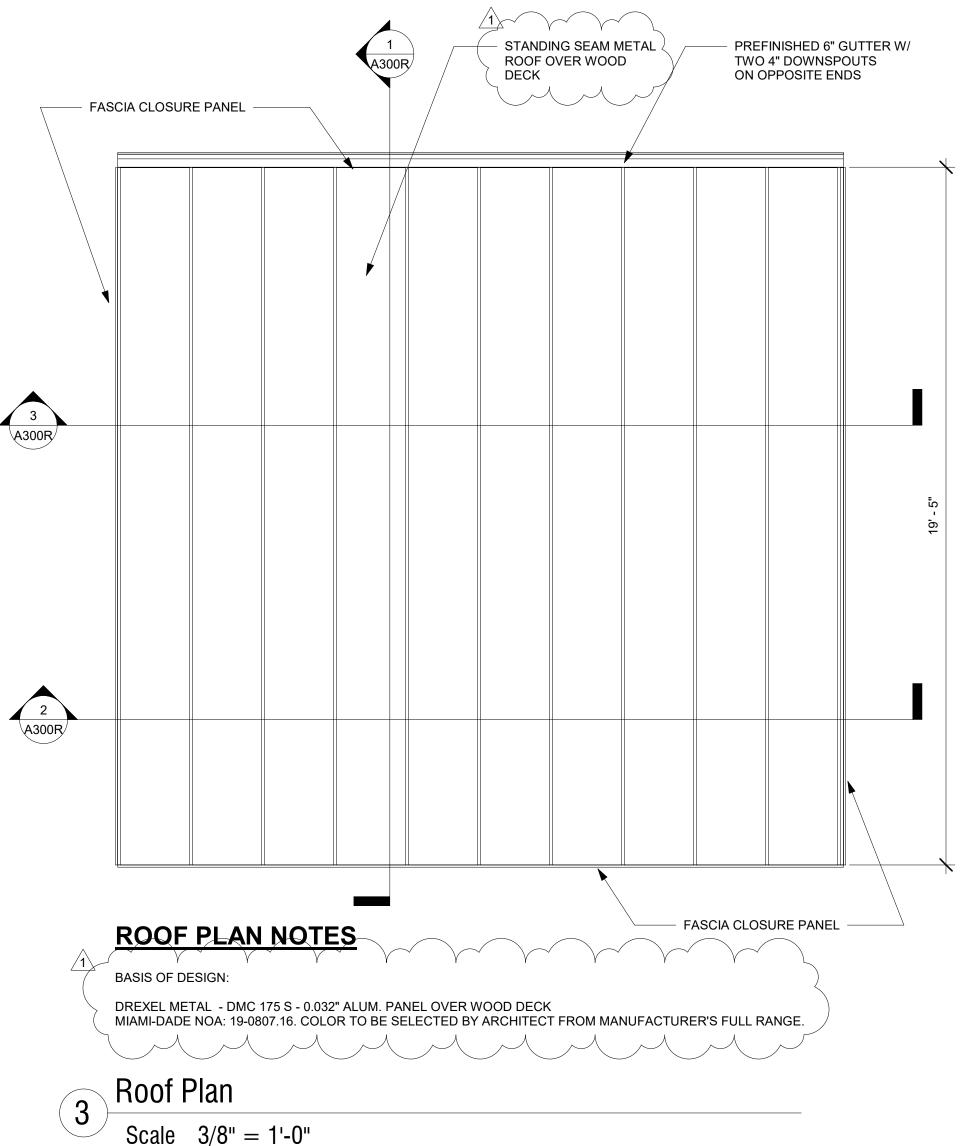
Client/Project WASTE TRANSFER STATIONS CITY OF KEY WEST KEY WEST, FLORIDA

Dwn. Chkd. Dsgn. YY.MM.DD

GENERAL NOTES Project No. Scale 215614441 Drawing No. Revision G001 of 4



By Appd. YY.MM.DD



NO. REVISION DATE REVISION DESCRIPTION 1 07/29/2021 BUILDING DEPT. COMMENTS

Issued

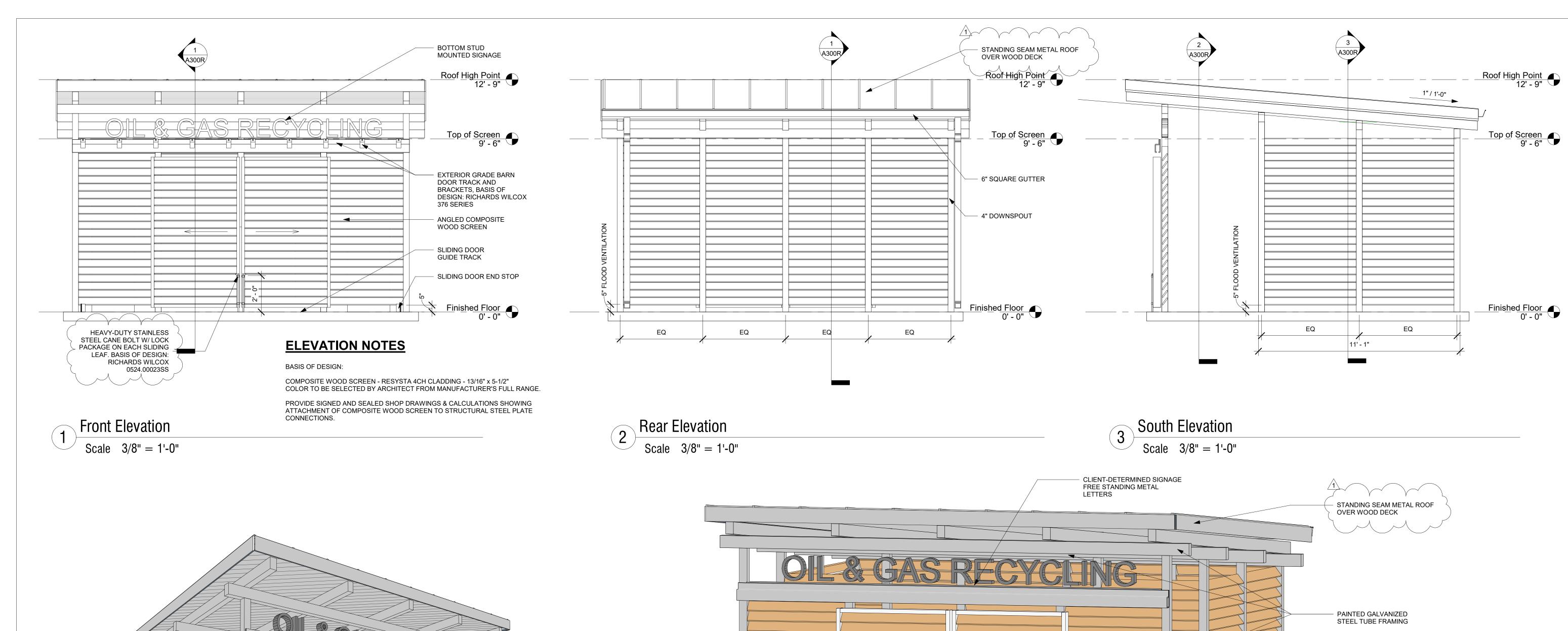
Consultants FERGUSON
GLASGOW
SCHUSTER
SOTO, INC.
Architecture Planning Interior Design
901 nonce de leon blvd. sits. 304
305.443.7758 901 ponce de leon blvd. sts. 304 coral gables, florida 33134

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Client/Project WASTE TRANSFER STATIONS

CITY OF KEY WEST KEY WEST, FLORIDA 2020/03/03 Dwn. Chkd. Dsgn. YY.MM.DD FLOOR PLANS - ROCKLAND Scale Project No. 215614441 Drawing No. Revision A101R 4

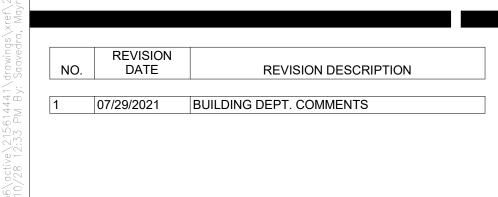


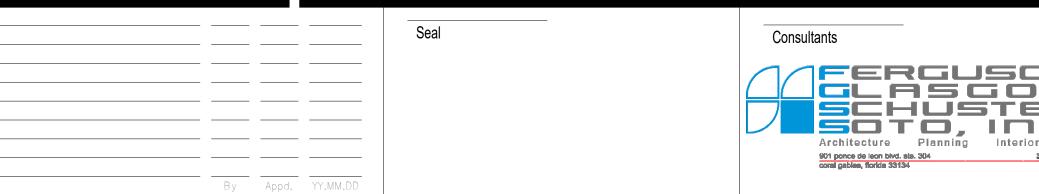


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Perspective View 2







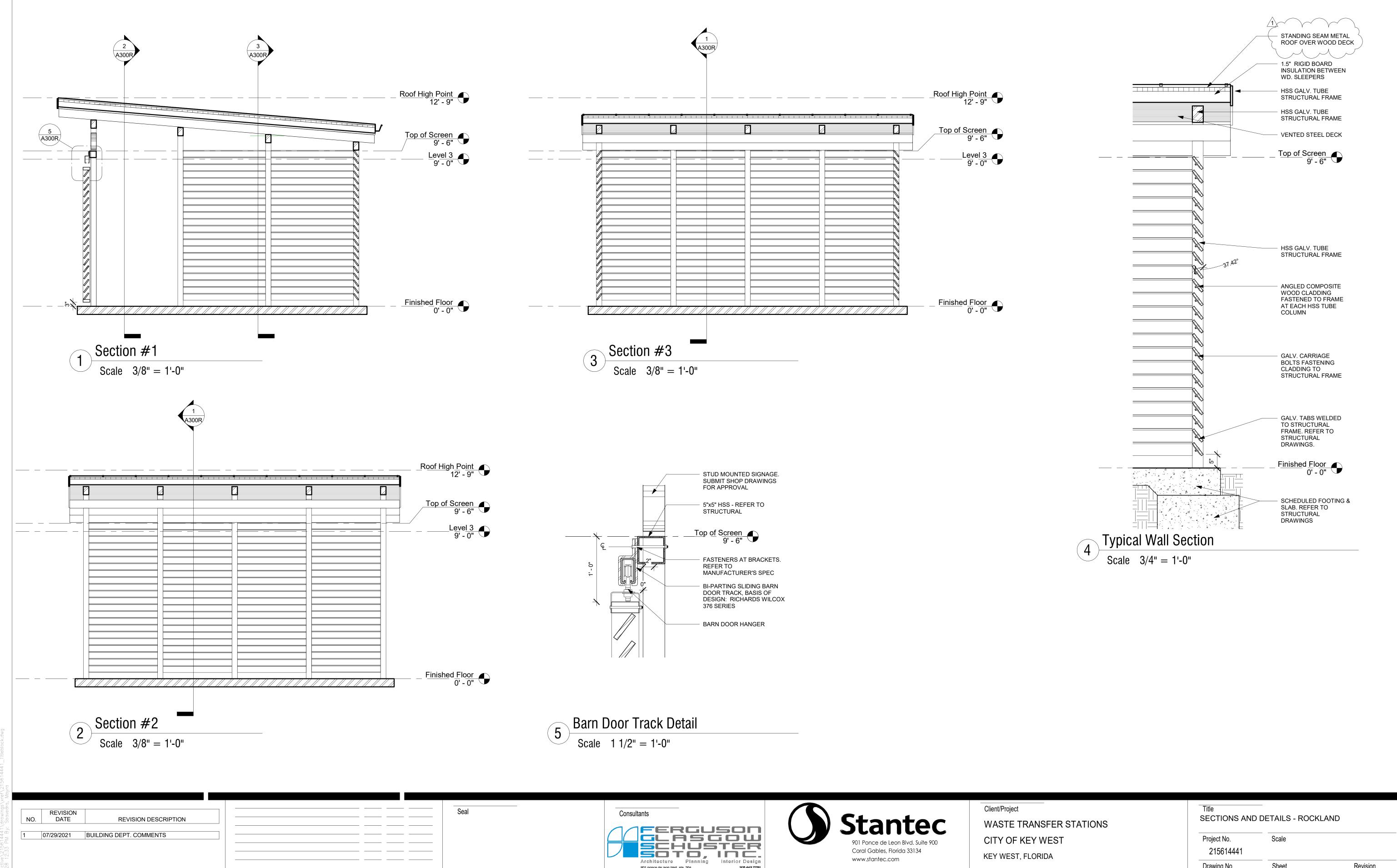


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Client/Project
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

Dwn. Chkd. Dsgn. YY.MM.DD

Title		
:XTERIOR ELE	VATIONS - ROCK	LAND
Project No.	Scale	
215614441		
Drawing No.	Sheet	Revision
	A200R	4



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Revision

A300R 4

Drawing No.

 Dwn.
 Chkd.
 Dsgn.
 YY.MM.DD

- A. ALL WORK SHALL CONFORM TO THE FLORIDA BUILDING CODE, 2020 EDITION AND ALL OTHER APPLICABLE LOCAL
- B. ALL STANDARDS REFERENCED IN THESE DRAWINGS SHALL REFER TO THE EDITIONS OF SUCH STANDARDS AS LISTED IN FBC 2020, CHAPTER 35, "REFERENCED STANDARDS", UNLESS OTHERWISE NOTED.

2. DESIGN CRITERIA: A. ROOF LOADS (GRAVITY):

LIVE LOAD: 20 PSF

SUPERIMPOSED DEAD LOAD: 15 PSF (@ ROOF) B. FLOOR LOADS (GRAVITY):

LIVE LOAD: 100 PSF SUPERIMPOSED DEAD LOAD: 15 PSF

- C. WIND LOADS: IN ACCORDANCE WITH ASCE 7-16 IRISK CATEGORY II: 190 MPH ULTIMATE DESIGN WIND SPEED: EXPOSURE D; INTERNAL PRESSURE COEFFICIENTS, ± 0.]. SEE CALCULATIONS FOR ADDITIONAL INFORMATION.
- D. FLOOD DESIGN CRITERIA: 1. FLOOD ZONE: GARRISON BIGHT= AE-8, KEY WEST BIGHT= AE-9 AND ROCKLAND KEY= AE-10
- 2. FLOOD ELEVATIONS: a. BASE FLOOD ELEVATION (B.F.E.) = GARRISON BIGHT= +8.00 N.G.V.D., KEY WEST BIGHT= +9.00 N.G.V.D. AND
- ROCKLAND KEY= +10.00 N.G.V.D. DESIGN FLOOD ELEVATION (D.F.E.) = B.F.E.+ 1.00 FT. = GARRISON BIGHT= +9.00 N.G.V.D, KEY WEST BIGHT=
- +10.00 N.G.V.D. AND ROCKLAND KEY= +11.00 N.G.V.D. DESIGN STANDARD:
- a. ASCE 24 (WITH MODIFICATIONS INDICATED IN FBC 1612.4.1).
- 4. FLOOD DESIGN APPROACH:
- a. AE FLOOD ZONES:
- WET FLOODPROOFING: WET FLOODPROOFING IS DESIGNED IN ACCORDANCE WITH ASCE 24.

3. BUILDING PERMIT:

- A. OBTAIN BUILDING PERMIT. B. COMPLY WITH THE REQUIREMENTS OF THE BUILDING PERMIT AND WITH OTHER REQUIREMENTS OF THE
- C. IF CHANGES TO STRUCTURAL DESIGN ARE ISSUED BY THE ENGINEER, SUBMIT CHANGES TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL. MAINTAIN PERMIT APPROVALS CONCURRENT WITH CONSTRUCTION. 4. CONSTRUCTION DOCUMENTS:
- A. EXAMINE AND STUDY ALL CONSTRUCTION DOCUMENTS PRIOR TO COMMENCEMENT OF WORK. DIRECT ANY QUESTIONS TO THE ENGINEER.

5. ELEVATION DATUM:

ALL ELEVATIONS ON THESE STRUCTURAL DRAWINGS REFER TO TOP OF GROUND FLOOR SLAB = +0'-0".

6. COORDINATION AND DIMENSIONS:

- A. COORDINATE ALL DIMENSIONS AND ELEVATIONS BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK. VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION. BRING ANY DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE ENGINEER. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE. SCALE IS FOR GUIDELINE PURPOSES ONLY. IF DIMENSIONS ARE UNCLEAR, DO NOT SCALE. REQUEST CLARIFICATION FROM THE ENGINEER.
- B. COORDINATE THE STRUCTURAL WORK WITH THE WORK OF ALL OTHER TRADES. C. COORDINATE THE STRUCTURAL WORK WITH SLAB DEPRESSIONS, PIPING AND CONDUITS AS SHOWN ON OTHER

DRAWINGS. 7. CONFLICTS IN DOCUMENTS:

IF CONFLICTS OCCUR IN OR BETWEEN ARCHITECTURAL AND ENGINEERING DOCUMENTS, BETWEEN DOCUMENTS AND FIELD CONDITIONS OR OTHERWISE, IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND DIRECTION BEFORE PROCEEDING. COORDINATE ALL DIMENSIONS BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.

8. METHODS & SAFETY:

- A. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION. PROVIDE APPROPRIATE SUPERVISION THROUGHOUT THE PROJECT. CONSTRUCTION SITE SAFETY, INCLUDING ALL ADEQUATE TEMPORARY BRACING AND SHORING, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EMPLOY THE NECESSARY PROFESSIONAL SERVICES TO DETERMINE THE NECESSARY METHODS AND SUPPORTS REGARDING FORMING AND CONSTRUCTION LOADS. TEMPORARY BRACING AND SHORING SHALL BE DESIGNED TO RESIST ALL CONSTRUCTION LOADS INCLUDING THE WEIGHTS OF ALL SUPPORTED MATERIALS PLUS A LIVE LOAD OF 50 PSF ON HORIZONTAL SURFACES. MAINTAIN TEMPORARY BRACING AND RETAIN IN PLACE UNTIL PERMANENT STRUCTURAL SYSTEMS ARE CAPABLE OF RESISTING ALL CONSTRUCTION PHASE LOADS.
- B. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE AND APPROPRIATE USE OF ALL PRODUCTS AND MATERIALS. STRICTLY CONFORM TO ALL OF THE MANUFACTURERS', PROVIDERS' OR INDUSTRY'S RESTRICTIONS, RECOMMENDATIONS, PRECAUTIONS AND PROTECTIONS (INCLUDING AS INDICATED IN THE MATERIAL/PRODUCT SAFETY DATA SHEET) FOR EACH PRODUCT'S OR MATERIAL'S STORAGE, HANDLING, USE, APPLICATION, CLEAN-UP AND DISPOSAL.

9. PROTECTION OF EXISTING CONSTRUCTION:

A. DO NOT DAMAGE EXISTING CONSTRUCTION WHICH IS TO REMAIN. LOCATE AND PROTECT CONCEALED PIPES, CONDUITS AND OTHER EXISTING CONSTRUCTION PRIOR TO DEMOLITION AND TAKE APPROPRIATE ACTION TO PROTECT THEM AND TO PROVIDE FOR SAFETY.

10. CONSTRUCTION INSPECTIONS:

- A. NOTIFY THE BUILDING INSPECTOR FOR INSPECTION OF ALL STRUCTURAL ELEMENTS. VERIFY THAT EACH AND EVERY STRUCTURAL ITEM HAS BEEN ACCEPTED BY THE INSPECTOR PRIOR TO PROCEEDING WITH SUBSEQUENT WORK AND/OR CONCEALING ANY STRUCTURAL ITEM. ANY STRUCTURAL ITEM WHICH HAS NOT BEEN SPECIFICALLY ACCEPTED BY THE INSPECTOR AND/OR ANY CONCEALING CONSTRUCTION WILL BE SUBJECT TO REMOVAL AND RECONSTRUCTION.
- B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL REQUIRED STRUCTURAL INSPECTIONS HAVE BEEN PERFORMED AND THAT THEY INDICATE ACCEPTANCE.

11. SHOP DRAWINGS:

- A. SUBMIT TO THE ENGINEER COMPLETE SHOP DRAWINGS AS REQUIRED BY THESE CONTRACT DOCUMENTS. B. CHECK ALL SHOP DRAWINGS FOR COMPLIANCE AND COMPLETENESS PRIOR TO SUBMITTAL. ALL SHOP
- DRAWINGS SHALL BEAR EVIDENCE OF CONTRACTOR'S REVIEW AND APPROVAL. C. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR CONFORMANCE WITH DESIGN CONCEPT AND INFORMATION INDICATED IN CONTRACT DOCUMENTS. ACCURACY, COMPLETENESS, DIMENSIONS, QUANTITIES, SAFETY PRECAUTIONS, CONSTRUCTION MEANS AND METHODS, SEQUENCE OF CONSTRUCTION, COORDINATION WITH OTHER TRADES AND PERFORMANCE OF SYSTEMS REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

D. REVIEW BY THE ENGINEER IS NOT FOR THE PURPOSE OF APPROVING CHANGES OR SUBSTITUTIONS. 12. SOILS STATEMENT:

THE EXISTING SURFACE SOILS AT EACH SITE ARE ASSUMED TO CONSIST OF A THIN LAYER OF TOP SOIL OR EXISTING CONSTRUCTION OVER SAND AND ROCK FRAGMENTS OVER LIMEROCK.

- 13. SOILS GENERAL: A. PRIOR TO COMMENCING WORK, VERIFY THAT METHODS AND PROCEDURES WILL NOT CAUSE DAMAGE TO NEARBY EXISTING STRUCTURES.
 - PRIOR TO START OF WORK, THOROUGHLY PHOTOGRAPH AND/OR VIDEO RECORD EXISTING NEARBY CONSTRUCTION AND SITE CONDITIONS ALL AROUND THE BUILDING SITE (INCLUDING AN APPROPRIATE DISTANCE BEYOND THE PROPOSED CONSTRUCTION). MAKE SPECIFIC NOTE OF CRACKS, SETTLEMENTS OR OTHER DEFECTS IN EXISTING CONSTRUCTION. SUBMIT RECORD TO ENGINEER PRIOR TO THE START OF

- 1. COMPLY WITH ALL EXCAVATION SAFETY REGULATIONS AND STANDARDS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ASSURE EXCAVATION SAFETY AND STABILITY AT ALL TIMES. CONTRACTOR SHALL HIRE A FLORIDA REGISTERED ENGINEER FOR CONSULTATION, DESIGN AND INSPECTION AS MAY BE APPROPRIATE FOR LATERAL SUPPORT OF SIDES OF EXCAVATIONS. ASSURE THAT CONSTANT ADEQUATE SOIL SUPPORT IS PROVIDED TO ALL NEARBY EXISTING CONSTRUCTION AND SITE GRADES AT ALL TIMES. DO NOT ALLOW ANY SOIL SETTLEMENT OR LATERAL MOVEMENT THAT COULD CAUSE DAMAGE TO NEARBY EXISTING CONSTRUCTION OR SITE GRADES.
- 2. WHERE EXCAVATION MAY REDUCE LATERAL SUPPORT FOR EXISTING SOILS ON WHICH EXISTING FOUNDATIONS OF NEARBY STRUCTURES RELY AND WHERE OTHER OPERATIONS, SUCH AS DEWATERING SOIL COMPACTION AND PILE DRIVING, MAY NEGATIVELY AFFECT THE PERFORMANCE OF EXISTING SOILS ON WHICH EXISTING FOUNDATIONS AND NEARBY STRUCTURES RELY, CONTRACTOR SHALL HIRE A REGISTERED ENGINEER TO ASSESS EXISTING SOILS AND EXISTING STRUCTURES. CONTRACTOR'S ENGINEER SHALL DETERMINE THE REQUIREMENTS FOR PROTECTION OF THE EXISTING STRUCTURES AND GRADES, SUCH PROTECTION MAY INCLUDE MODIFICATION OF PROPOSED PROCEDURES. UNDERPINNING, SOIL IMPROVEMENT, BRACING, SHEETING, OR OTHER APPROPRIATE MEANS AS DETERMINED BY CONTRACTOR'S ENGINEER AND AS ACCEPTABLE TO THE BUILDING OFFICIAL.

14. SOILS PREPARATION & ALLOWABLE BEARING:

- A. STRIP ALL AREAS OF NEW CONSTRUCTION PLUS A THREE FOOT PERIMETER OF EXISTING CONSTRUCTION TO BE REMOVED, PLANT, TOP SOIL AND OTHER DELETERIOUS MATERIAL. WHERE REQUIRED, EXCAVATE THE EXISTING SOIL TO THE BOTTOM OF PROPOSED SLAB OR FOOTING ELEVATION. VISUALLY INSPECT THE ENTIRE BUILDING AREA. IF SOILS DIFFERENT FROM THOSE INDICATED ABOVE ARE ENCOUNTERED, NOTIFY THE ENGINEER FOR DIRECTION. THOROUGHLY COMPACT ENTIRE AREA, INCLUDING THE THREE FOOT PERIMETER BY AT LEAST EIGHT PASSES IN EACH OF TWO PERPENDICULAR DIRECTIONS OF A VIBRATING COMPACTOR TO ACHIEVE A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D1557. WHERE REQUIRED, PLACE CRUSHED LIMEROCK FILL (NO ROCKS GREATER THAN 2 INCHES). EXCAVATED MATERIAL MAY BE USED FOR BACKFILL IF FREE OF ORGANIC, MUCK OR OTHER DELETERIOUS MATERIALS AND IF DEEMED TO BE ACCEPTABLE BY THE GEOTECHNICAL ENGINEER. PLACE FILL IN MAXIMUM EIGHT INCH LIFTS. COMPACT EACH LIFT TO A MINIMUM OF 95% OF MAXIMUM DENSITY. PRIOR TO COMPACTION, MOISTEN OR DRY SOIL TO ACHIEVE A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D1557.
- B. DRAINAGE COURSE: PLACE A MINIMUM 6 INCH THICK DRAINAGE COURSE BELOW ALL CONCRETE SLABS CAST ON UNDER-SLAB VAPOR-GAS RETARDER. DRAINAGE COURSE MATERIAL SHALL CONSIST OF A NARROWLY GRADED MIXTURE OF CRUSHED OR UNCRUSHED STONE OR GRAVEL, ASTM D448, WITH 100% PASSING A 1-1/2" SIEVE AND LESS THAN 5% PASSING A No. 8 SIEVE (OR OTHER MATERIAL APPROVED BY THE ENGINEER WHICH MINIMIZES UPWARD CAPILLARY FLOW)
- C. TEST ALL LAYERS OF SOILS, INCLUDING EXPOSED EXISTING SOILS, FILL, BACKFILL AND DRAINAGE COURSE FOR DENSITY. SUBMIT TEST REPORTS TO THE ENGINEER. CONDUCT A MINIMUM OF ONE TEST IN EACH ISOLATED FOOTING, FOR EACH 2,000 SQUARE FEET OF FLOOR OR PAVEMENT AREA, FOR EACH 50 LINEAR FEET OF WALL FOOTING AND AS OTHERWISE DIRECTED BY THE ENGINEER.
- D. ALL SOIL PREPARATION OPERATIONS SHALL BE MONITORED BY A GEOTECHNICAL ENGINEER, WHO SHALL ISSUE A STATEMENT OF COMPLIANCE.
- E. WITH THE SOILS PREPARATION DESCRIBED ABOVE, THE ALLOWABLE SOIL BEARING CAPACITY IS EXPECTED TO BE AT LEAST 2,000 PSF.
- PRIOR TO PLACING VAPOR-GAS RETARDER SHEET ON COMPACTED SOIL FOR CONCRETE SLABS-ON-GROUND, TREAT THE SOIL UNDER ENTIRE INTERIOR AREA OF THE BUILDING PLUS MINIMUM 1'-0" ALL AROUND EXTERIOR PERIMETER FOR TERMITES IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1816 OF THE FLORIDA BUILDING CODE 2020. UPON COMPLETION OF TERMITE PROTECTIVE TREATMENT, SUBMIT CERTIFICATE OF COMPLIANCE TO THE BUILDING DEPARTMENT IN ACCORDANCE WITH FLORIDA BUILDING CODE 2020, PARAGRAPH 1816.1.

15. UNDER-SLAB VAPOR-GAS RETARDER:

- A. PLACE VAPOR-GAS RETARDER SHEET CONTINUOUSLY UNDER ALL CONCRETE SLABS PLACED ON GROUND. B. COMPLY WITH ASTM E1745 (LATEST EDITION), CLASS C OR BETTER, WITH MAXIMUM WATER VAPOR PERMEANCE OF 0.1 PERMS (AS DETERMINED IN ACCORDANCE WITH ASTM E96 OR ASTM E154). COORDINATE WITH PROPOSED FLOOR FINISH PRODUCTS, AND PROVIDE A VAPOR-GAS RETARDER SYSTEM WITH A PERMEANCE OF LESS THAN 0.1 PERMS IF RECOMMENDED OR REQUIRED BY THE FLOOR FINISH PRODUCT MANUFACTURER.
- C. SUBMIT PRODUCT DATA SHEETS FOR VAPOR-GAS RETARDER SHEET AND ALL ACCESSORIES, TAPE, ADHESIVES, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
- D. COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, APPENDICES B, C AND/OR E AS APPLICABLE TO THE PROJECT.
- E. LAP SPLICE ALL JOINTS A MINIMUM OF 12-INCHES (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER). SEAL ALL LAP JOINTS CONTINUOUSLY W/ PRESSURE-SENSITIVE. MINIMUM 2-INCH WIDE VINYL TAPE (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER). SEAL AROUND ALL PENETRATIONS OF VAPOR-GAS RETARDER SHEET BY EXTENDING SHEET TO WITHIN 1/2-INCH OF PENETRATING OBJECT AND SEALING TO OBJECT ALL AROUND WITH MINIMUM 2-INCH WIDE PRESSURE-SENSITIVE VINYL TAPE (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER). EXTEND VAPOR-GAS RETARDER SHEET MINIMUM 1-INCH ON TO STEM WALL, GRADE BEAM OR FOOTING (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER). IF THIS IS NOT POSSIBLE, ASSURE SHEET CONTACT WITH VERTICAL STRUCTURAL MEMBER AND EXTEND VERTICALLY MINIMUM 1-INCH UP VERTICAL STRUCTURAL MEMBER (BUT NOT MORE THAN ONE HALF OF SLAB THICKNESS AND SEAL WITH MINIMUM 2-INCH WIDE PRESSURE-SENSITIVE VINYL TAPE) (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER).
- F. DO NOT DAMAGE SHEET. SUPPORT REINFORCEMENT ON CONCRETE BRICKS OR 6"x6" ASPHALTIC HARDBOARD PADS OR OTHER DEVICES RECOMMENDED BY SHEET MANUFACTURER. EXAMINE VAPOR-GAS RETARDER SHEET PRIOR TO PLACING CONCRETE, AND REPAIR ANY HOLES OR TEARS IN SHEET BY INSTALLING AN OVERLAY SHEET EXTENDING MINIMUM 12-INCHES BEYOND DAMAGED AREA AND SEALED TO LOWER SHEET WITH PRESSURE-SENSITIVE, MINIMUM 2-INCH WIDE VINYL TAPE (OR OTHERWISE AS REQUIRED BY SHEET MANUFACTURER). DO NOT DAMAGE VAPOR-GAS RETARDER SHEET AFTER REPAIRS AND WHILE CASTING CONCRETE.
- G. AFTER SLAB-ON-GROUND HAS CURED, EXAMINE SLAB FOR CRACKS. ALL CRACKS GREATER THAN 1/32" WIDE AND ALL SLAB JOINTS (CONTROL JOINTS AND EXPANSION JOINTS) AND ALL PENETRATIONS SHALL BE SEALED USING A POLYURETHANE, POLYSULFIDE OR EPOXY SEALANT CONFORMING TO ASTM C920. INSTALL SEALANT IN ACCORDANCE WITH ASTM C1193.

CONTINUED ON S101

ABBREVIATIONS LEGEND

ABBREVIATION

DESCRIPTION

DESCRIPTION

<u>ABBREVIATION</u>

ABBREVIATION	DESCRIPTION	ABBREVIATION	<u>DESCRIPTION</u>
#5	REBAR SIZE	INFO.	INFORMATION
ADD.	ADDITIONAL	INT.	INTERMEDIATE
ADJ.	ADJACENT	K	KIP (1000 LBS)
A.F.F.	ABOVE FINISHED FLOOR	LB. (S)	POUNDS (S)
AHU.	AIR HANDLING UNIT	L.P.	LOW POINT
ALUM.	ALUMINUM	LWC.	LIGHTWEIGHT CONCRETE
ANCH.	ANCHOR	MAX.	MAXIMUM
APPROX.	APPROXIMATE	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	MFR.	MANUFACTURER
B.E.	BOTH ENDS	MIN.	MINIMUM
B.F.	BOTH FACES	MISC.	MISCELLANEOUS
B.W.	BOTH WAYS (PERPENDICULAR)	MW- X	C.M.U. WALL MARK
BLDG.	BUILDING	N/A	NOT APPLICABLE
BLK.	BLOCKING	N.I.C.	NOT IN CONTRACT
BM.	BEAM	N.T.S.	NOT TO SCALE
BOTT.	BOTTOM	NWC	NORMAL WEIGHT CONCRETE
BRDG	BRIDGING	O.C.	ON CENTER
BRG.	BEARING	OPNG (S)	OPENING (S)
		OPP. HAND	OPPOSITE HAND
BTWN.	BETWEEN		
CANT.	CANTI LEVER	PCF	POUNDS PER CUBIC FOOT
C.I.P.	CAST IN PLACE CONCRETE	P/C	PRECAST
C.J.	CONSTRUCTION JOINT OR CONTROL JOINT	P.C.J.	PRECAST JOIST
C.M.U.	CONCRETE MASONRY UNIT	PC	PILECAP
C/C	CENTER TO CENTER	PL	PLATE
Q	DIMENSION CENTERLINE OF ELEMENTS	PLF	POUNDS PER LINEAR FOOT
CLR.	CLEAR DISTANCE BETWEEN ELEMENTS	P.P.T.	PRESSURE PRESERVATIVE TREATED
COL.	COLUMN	PRELIM.	PRELIMINARY
CONC.	CONCRETE	PROP.	PROPERTY
CONN.	CONNECTION	PSF	POUNDS PER SQUARE FOOT
CONST.	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
CONT.	CONTINUOUS CONDITION	QTY.	QUANTITY
COORD	COORDINATE	REINF.	REINFORCING OR REINFORCEMEN
CORR.	CORRUGATED	REQD.	REQUIRED
CTR.	CENTER	REV.	REVISION
	BAR DIAMETER	RTU.	ROOF TOP UNIT
db			
DIA.	DIAMETER	SCHED.	SCHEDULE
DIAG.	DIAGONAL	SECT.	SECTION
DIM.	DIMENSION	S.H.	SHEAR HEAD
DIST.	DISTANCE	SHT.	SHEET
DN.	DOWN	SIM.	SIMILAR
DTL.	DETAIL	SPECS.	SPECIFICATIONS
DWG.	DRAWING	SQ.	SQUARE
EA.	EACH	STAGG.	STAGGERED
E.J.	EXPANSION JOINT	STD.	STANDARD
EL.	ELEVATION	STIFF.	STIFFENER
EMBED.	EMBEDMENT	STL.	STEEL
ENGR.	ENGINEER	STIR.	STIRRUP
E.O.R.	ENGINEER-OF-RECORD	STRUCT.	STRUCTURE OR STRUCTURAL
EQ.	EQUAL	SW -X	SHEARWALL MARK
EQUIP.	EQUIPMENT	SYM.	SYMMETRICAL CONDITION
E.W.	EACH WAY	T.O.	TOP OF
	EXISTING	T.O.B	TOP OF BEAM
EXIST.			
EXT.	EXTERIOR	T.O.C.	TOP OF CONCRETE
FAB.	FABRICATE	T.O.S.	TOP OF SLAB
FDN.	FOUNDATION	T.O.W.	TOP OF WALL
FIN.	FINISH(ED)	TYP.	TYPICAL
FLR.	FLOOR	U.N.O.	UNLESS NOTED OTHERWISE
FTG.	FOOTING	U.O.N.	UNLESS OTHERWISE NOTED
FUT.	FUTURE	VERT.	VERTICAL
GEN.	GENERAL	V.I.F.	VERIFY IN FIELD
G.L.	GRID LINE	W/P	WATER PROOFING
GALV.	GALVANIZED	WD.	WOOD
OALV.			
	HIGH POINT	VVI.	WEIGHT
H.P. HORIZ.	HIGH POINT HORIZONTAL	WT. W.W.F	WEIGHT WELDED WIRE FABRIC

	STRUCTURAL DRAWING INDEX
SHEET#	SHEET TITLE
S100	GENERAL STRUCTURAL NOTES, ABBREVIATION LEGEND & STRUCTURAL DRAWING INDEX
S101	CONT. GENERAL STRUCTURAL NOTES, SCHEDULES AND TYPICAL DETAILS
S200	FOUNDATION, GROUND FLOOR AND ROOF FRAMING PLAN
S300	SECTIONS AND DETAILS
S301	SECTIONS AND DETAILS
S400	DESIGN WIND PRESSURES FOR ROOFING SYSTEM
S401	DESIGN WIND PRESSURES FOR DOORS, & CLADDING

				Seal			\$ <u>\</u>		Stantec 901 Ponce de Leon Blvd. Suite 900	WASTE TRANSFER ST	TATIONS
						STRUCTURAL ENGINEERS 5040 NW 7th Street, Suite 820	ATES,		Coral Gables, Florida 33134 www.stantec.com	KEY WEST, FLORIDA	
on	By Appd. YY.MM.DD	DESIGN DEVELOPMENT Issued	03.02.2020 By Appd. YY.MM.DD		DOUGLAS WOOD, P.E. FL P.E. #32092	Miami, Florida 33126 PH. 305 461-3450 inbox@douglaswood.biz		drawing - any errors or d	fy and be responsible for all dimensions. DO NOT scale the missions shall be reported to Stantec without delay, signs and drawings are the property of Stantec. Reproduction	File Name:	RB HG

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GENERAL STRUCTURAL NOTES, ABBREVIATION LEGEND AND STRUCTURAL DRAWING INDEX Project No. AS SHOWN Revision Drawing No. S100 1 of 7

Dwn. Chkd. Dsgn. YY.MM.DD

Revision

- A. STANDARDS: ACI 301, ACI 347, ACI 207, ACI 117, ACI 308.1 & ACI 318 (EXCEPT AS MODIFIED BY FBC 2020,
- SECTION 1905). B. CONCRETE MIXES
- 1. SUBMIT CONCRETE MIX DESIGNS TO ENGINEER FOR REVIEW PRIOR TO USE.
- 2. PROPORTION ALL NORMAL-WEIGHT CONCRETE IN ACCORDANCE WITH ACI 301 TO ATTAIN THE FOLLOWING

CONCRETE LOCATION	COMPRESSIVE STRENGTH	MAXIMUM WATER / CEMENT RATIO	NOTES
ALL CONCRETE	5,000 PSI @ 28 DAYS	0.40	

- 3. SLUMP SHALL BE 4" (±1") FOR REGULAR MIXES AND NOT GREATER THAN 9" FOR MIXES WITH WATER-REDUCING ADMIXTURES. ADD NO WATER TO THE CONCRETE AT THE SITE, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN ADVANCE AND ONLY IF TEST SAMPLES ARE TAKEN AFTER ADDITION OF THE APPROVED WATER.
- 4. CEMENTITIOUS MATERIALS:
- a. CEMENT: ASTM C150, TYPE I, UNLESS OTHERWISE NOTED. BLENDED HYDRAULIC CEMENTS (ASTM C595) MAY BE USED WITH PRIOR APPROVAL BY THE ENGINEER.
- b. FLY ASH: ASTM C618, CLASS F.
- c. GROUND GRANULATED BLAST-FURNACE SLAG: ASTM C989 GRADE 100 OR 120
- LIMIT PERCENTAGE OF FLY ASH, SLAG OR COMBINATION FLY ASH AND SLAG TO 25% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIALS, UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
- 5. LARGE-AGGREGATE PUMP MIXES WITH WATER-REDUCING ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. PEA ROCK PUMP MIXES WILL NOT BE APPROVED.
- COARSE AGGREGATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-33.
- 7 WATER ASTM C-1602
- 8. READY-MIX CONCRETE: ASTM C-94.
- 9. LIMIT WATER SOLUBLE CHLORIDE IONS TO MAXIMUM PERCENTAGE BY WEIGHT OF CEMENT PERMITTED BY
- C. CONTRACT AN INDEPENDENT TESTING LABORATORY TO PERFORM THE CONCRETE CYLINDER SAMPLING AND TESTING AS REQUIRED BY SECTION 26.12 OF ACI 318-14. SUBMIT TEST REPORTS TO THE ENGINEER TIMELY. D. PROVIDE ALL FORMING AND TEMPORARY SHORING.
- E. DO NOT EMBED PIPES OR CONDUITS EXCEEDING 1/3 THE SLAB THICKNESS IN OUTSIDE DIAMETER IN THE CONCRETE FLOOR WITHOUT THE WRITTEN APPROVAL FROM THE ENGINEER. WHERE PIPES OR CONDUITS ARE PERMITTED, PLACE NO CLOSER THAN THREE DIAMETERS O.C. AND LOCATE SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE.
- F. REINFORCEMENT:
- 1. STANDARD: ASTM A-615, GRADE 60.
- 2. REINFORCEMENT PLACEMENT TOLERANCES: COMPLY WITH SECTION 2.2 OF ACI 117-10
- G. CONCRETE COVER OVER REINFORCEMENT: UNLESS OTHERWISE INDICATED IN THESE DRAWINGS, PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS:
- 1. 3 INCHES FOR FOOTINGS
- 2. 2 INCHES MINIMUM FOR SLAB
- H. STEEL REINFORCEMENT SHOP DRAWINGS:
- SUBMIT REINFORCEMENT PLACING DRAWINGS TO ENGINEER THAT DETAIL BENDING AND PLACEMENT INCLUDE BAR SIZES, LENGTHS, MATERIAL AND GRADE. INCLUDE DRAWINGS, SCHEDULES AND DIAGRAMS AS NECESSARY TO CLEARLY INDICATE ALL BARS, ARRANGEMENT, SPLICES, SPACING AND SUPPORTS.
- CASTING TOLERANCES: THESE TOLERANCES ARE A MINIMUM STANDARD FOR GENERAL STRUCTURAL PERFORMANCE. PROVIDE MORE STRINGENT TOLERANCES WHERE REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS FOR AESTHETICS, FINISH SYSTEMS, EQUIPMENT OR OTHER CONSTRUCTION.
- 1. COMPLY WITH ALL REQUIREMENTS OF ACI 117-10
- 2. FLOOR FLATNESS: "FLAT" AS DEFINED IN 4.5.7 OF ACI 117-10, WITH MAXIMUM 3/16 INCH GAP UNDER A 10 ft. STRAIGHTEDGE PLACED ANYWHERE ON THE SLAB AND ALLOWING IT TO REST UPON ANY TWO HIGH SPOTS. PROVIDE STRICTER STANDARD OF FLATNESS IF RECOMMENDED BY FLOOR FINISH MANUFACTURER OR OTHER NON-STRUCTURAL ITEMS.
- J. MAKE CONSTRUCTION JOINTS IN THE MANNER AND LOCATIONS INDICATED IN THESE DRAWINGS OR AS APPROVED BY THE ENGINEER IN ADVANCE.
- K. EMBEDMENT OF REINFORCEMENT: UNLESS OTHERWISE INDICATED IN THESE DRAWINGS, EMBED ALL REINFORCING BARS TO THE FAR SIDE (LESS APPROPRIATE COVERAGE) OF CONNECTING FOOTING.
- L. REINFORCING LAP SPLICES
- 1. UNLESS OTHERWISE INDICATED OR APPROVED BY THE ENGINEER IN ADVANCE, MAKE SPLICES FOR REINFORCING BARS BY LAPPING BARS. UNLESS OTHERWISE NOTED FOR FOOTINGS AND SLABS, PLACE LAP SPLICES FOR TOP AND BOTTOM BARS WITHIN THE MIDDLE THIRD OF THE SPANS BETWEEN COLUMNS. FOR LENGTHS OF TENSION LAP SPLICES SHALL BE IN ACCORDANCE WITH "TENSION DEVELOPMENT AND LAP SPLICE LENGTHS FOR REINFORCING BARS" ON DRAWING No. S101.
- M. SAWCUT CONTROL JOINTS AS SOON AS THE CONCRETE SURFACE WILL NOT BE DAMAGED BY SAWCUTTING, AND NO MORE THAN TWELVE HOURS AFTER CONCRETE PLACEMENT. MAKE SAW-CUT JOINTS WHERE
- N. FINISH ALL CONCRETE IN ACCORDANCE WITH ACI 117-10 AND ACI 301-05, AS INDICATED IN THESE DRAWINGS AND AS APPROPRIATE FOR THE ARCHITECTURAL FINISHES INDICATED IN THE ARCHITECTURAL DRAWINGS.
- GIVE A LIGHT BROOM FINISH TO ALL EXTERIOR CONCRETE WALKING SURFACES. O. CURE ALL CONCRETE FOR A MINIMUM OF SEVEN DAYS. COMPLY WITH ACI 308.1. THE CURING SHALL ENTAIL MAINTENANCE OF THE MOISTURE IN THE CONCRETE, APPLY A CURING AND SEALING COMPOUND TO EXPOSED CONCRETE SURFACES IMMEDIATELY AFTER FINISHING. COMPOUND SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-309. USE CHEMMASTERS SILENCURE (OR APPROVED EQUAL BY ENGINEER).

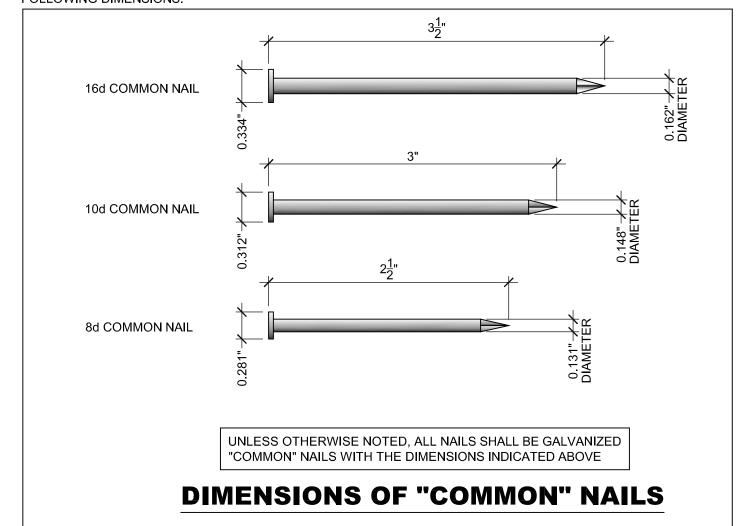
17. STRUCTURAL STEEL:

- A. MATERIALS: 1. STRUCTURAL TUBING: ASTM A500, GRADE B
- ALL OTHER STRUCTURAL STEEL: ASTM A36 (U.O.N.)
- THREADED RODS: ASTM A36
- BOLTS: ASTM A325-09 (GALVANIZED)
- NUTS: ASTM A563, GRADE C (GALVANIZED)
- 6. WASHERS: ASTM F436, TYPE I (GALVANIZED) B. INSTALL STEEL BEAMS WITH NATURAL CAMBER UP.
- C. SHOP DRAWINGS: SUBMIT COMPLETE SHOP DRAWINGS FOR STRUCTURAL STEEL FOR REVIEW BY
- ENGINEER PRIOR TO FABRICATION. D. STANDARDS:
- 1. AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL
- **BUILDINGS."** 2. AWS D1-1, E-70 SERIES ELECTRODES. ALL WELDERS SHALL BE CERTIFIED BY AWS FOR THE MATERIALS
- CERTIFICATIONS TO ENGINEER. E. CORROSION CONTROL: HOT DIP GALVANIZE ALL STRUCTURAL STEEL (AND ALL ADJOINING CLIPS AND BRACKETS) AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 AND A653. WELDED JOINTS SHALL BE MADE WITH LOW-SILICON ELECTRODES (<0.30%) AND ALL SLAG AND FLUX FROM WELDS MUST BE REMOVED PRIOR TO GALVANIZING. FOR WELDING OF GALVANIZED MEMBERS, REMOVE THE ZINC COATING AT LEAST ONE TO FOUR INCHES FROM BOTH SIDES OF THE INTENDED WELD ZONE ON BOTH PIECES PRIOR TO WELDING ACCORDING TO AWS D-19.0. TOUCH-UP AND REPAIR ALL DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS AFTER ERECTION AND/OR WELDING WITH ZINC-RICH PAINT IN ACCORDANCE WITH ASTM A-780.

AND FOR THE WELD TYPES, SIZES AND ORIENTATIONS INDICATED IN THESE DRAWINGS. SUBMIT WELDER

F. QUALITY CONTROL (QC) AND QUALITY ASSURANCE (QA) OF WELDED AND BOLTED CONNECTIONS SHALL BE AS REQUIRED BY AISC 360, CHAPTER N, AND ITS REFERENCED STANDARDS. CONTRACTOR SHALL INCLUDE IN BASE BID ALL ASSOCIATED COSTS OF QC INSPECTION TASKS. OWNER SHALL COVER THE ASSOCIATED COSTS OF QA INSPECTION TASKS AND NON-DESTRUCTIVE TESTING. WHICH SHALL INCLUDE 10% OF CJP GROOVE WELDS BY ULTRASONIC OR RADIOGRAPHIC METHOD, AND 10% OF FILLET WELDS BY MAGNETIC PARTICLE OR DYE PENETRANT METHOD. REPAIR OF NON-CONFORMANCES SHALL BE AT CONTRACTOR'S EXPENSE.

- A. STRUCTURAL LUMBER: SOUTHERN PINE, MINIMUM GRADE NO. 2, UNLESS OTHERWISE NOTED.
- B. MINIMUM ALLOWABLE BENDING STRESS (FB): 1. 2x4: 1100 psi
- 2x6: 1000 psi
- 3. 2x8: 925 psi
- 4. 2x10: 800 psi 5. 2x12: 750 psi
- C. ALL LUMBER INDICATED IN THESE DRAWINGS SHALL BE PRESSURE PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA U1 USING A PRESERVATIVE LISTED IN TABLE 1 OF SECTION 4 OF AWPA U1. SUBMIT PRODUCT DATA
- 1. LUMBER SHALL BE CERTIFIED FOR USE CATEGORY UC4A (UNLESS OTHERWISE INDICATED). 2. COMPLY WITH AWPA M4, STANDARD FOR THE CARE OF PRESERVATIVE - TREATED WOOD PRODUCT. AT ALL WOOD SURFACES EXPOSED AFTER PRESSURE TREATMENT (CUTS, NOTCHES, HOLES, ETC.), APPLY FIELD TREATMENT. APPLY BY BRUSH OR SPRAY, MINIMUM TWO COATS OF 2% COPPER NAPHTHENATE OR 0.675%
- OXINE COPPER SOLUTION. ALLOW FIRST COAT TO ABSORB AND DRY BEFORE APPLYING SECOND COAT. D. MAXIMUM MOISTURE CONTENT AT TIME OF DELIVERY SHALL BE 19%. SUBMIT TEST RESULTS FROM PROVIDER.
- PROTECT WOOD FROM WEATHER UNTIL INSTALLED AND ENCLOSED. E. COMPLY WITH REQUIREMENTS OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
- F. UNLESS OTHERWISE NOTED, ALL NAILS SHALL BE COMMON, GALVANIZED (ASTM A-153) STEEL NAILS WITH THE FOLLOWING DIMENSIONS:



19. STEEL ROOF DECK:

- A. TORIS (NON-ACOUSTICAL) BY EPIC METALS OR APPROVED EQUAL WITH PRIOR APPROVAL OF ENGINEER
- GALVANIZED, ASTM A924, G90 2. 20 GAGE
- 3. 2-1/2 IN. DEEP WITH CORRUGATIONS AT 6 IN. O.C. MINIMUM. 4. $I_D = 0.73 \text{ IN}$
- MINIMUM $S_P = 0.47 \text{ IN}^3$ MINIMUM $S_N = 0.42 \text{ IN}^3$
- CONFORM TO SDI "DESIGN MANUAL FOR FLOOR AND ROOF DECKS"
- 8. STEEL SHEET: ASTM A653, GRADE 40 ($F_Y = 40 \text{ KSI}$)
- 9. PAINT: EPISHEILD OR APPROVED EQUAL (SEE ARCH. DWGS. FOR COLOR) B. SHOP DRAWINGS: SUBMIT COMPLETE SHOP DRAWINGS FOR METAL DECK FOR REVIEW BY ENGINEER PRIOR TO
- FABRICATION.
- 1. ANCHOR DECK USING HILTI S-MD 14-20 x 1-1/2" HWH #3 BI-METAL KWIK-FLEX SELF DRILLING SCREWS IN EVERY
- CORRUGATION VALLEY. 2. SIDE STITCH DECK PANELS USING HILITI S-MD 1/4-14 x 7/8" HWH STITCH KWIK-SEAL SELF DRILLING SCREWS AT 12"

O.C. BETWEEN SUPPORT MEMBERS. 20. PLYWOOD ROOF SHEATHING:

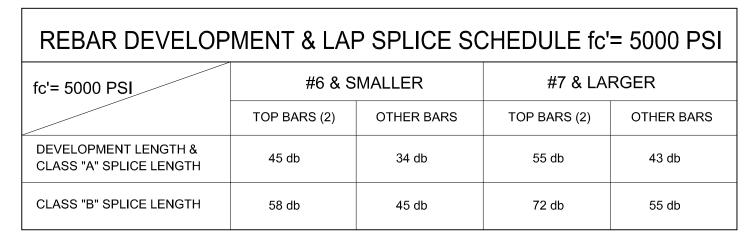
- A. 5/8", EXPOSURE I, APA RATED, PLYWOOD SHEATHING OR STRUCTURAL I PLYWOOD SHEATHING SHALL BE PRESSURE PRESERVATIVE TREATED IN ACCORDANCE WITH AWPA U1 AND CERTIFIED FOR UC3B USE
- B. CONTINUOUSLY SUPPORT EDGES OF PLYWOOD PANELS AND JOINTS BETWEEN PLYWOOD PANELS
- BETWEEN SLEEPERS WITH 2x4 WOOD BLOCKING SPANNING BETWEEN EACH MEMBERS. FASTEN BLOCKING TO SLEEPERS WITH (2) 10d TOE NAILS AT BOTH ENDS. C. LAY PANELS CONTINUOUS OVER TWO OR MORE SPANS AND WITH FACE GRAIN PERPENDICULAR TO
- PRIMARY FRAMING MEMBERS. PLACE END JOINTS AT CENTER OF PRIMARY FRAMING MEMBER WITH BOTH PANELS FASTENED TO IT. STAGGER END JOINTS. PROVIDE 1/8" GAP AT ALL PANEL JOINTS.
- D. FASTEN PLYWOOD ROOF SHEATHING PANELS TO ALL SUPPORTING MEMBERS INCLUDING BLOCKING USING #8 x 2" LONG WOOD SCREWS. SCREWS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153. SCREW SPACING SHALL BE 4" O.C. AT PERIMETER AND 6 " O.C. THROUGHOUT.

21. FASTENERS AND ANCHORS:

- A. FASTENERS AND ANCHORS SHALL BE OF THE TYPE AND SIZE INDICATED IN THESE DRAWINGS. USE THE SPECIFIC MANUFACTURER AND MODEL WHERE INDICATED. STRICTLY FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
- B. ALL FASTENERS, INCLUDING EXPANSION ANCHORS, SLEEVE ANCHORS, STRAPS, NAILS, SCREWS, ETC. SHALL BE GALVANIZED, OR OTHERWISE COATED FOR CORROSION CONTROL BY A METHOD APPROVED BY

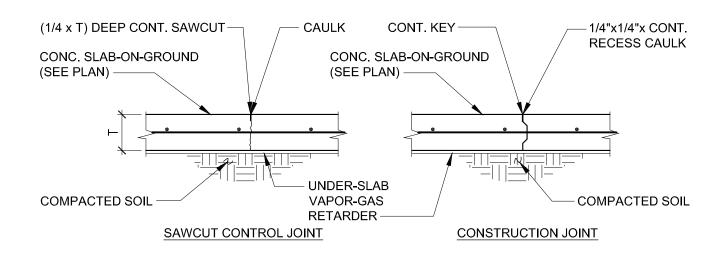
FOOTING SCHEDULE											
MARK	SIZE	(INI) (INI)	BOTT. REINFORCEMENT		TOP REINFO	RCEMENT	DEMARKS	REMARKS			
IVIARK	WxD (IN.)		SHORT WAY	LONG WAY	SHORT WAY	LONG WAY		KLIVIAKKS			
WF-24	24" x CONT.	14	#4 @ 18" O.C.	3 #5		3 #5	_				

AT ALL FOOTING CORNERS AND INTERSECTIONS, PROVIDE L-SHAPED CORNER BARS (T&B) WITH 30-INCH LONG LEGS TO MATCH FOOTING REINFORCEMENT.



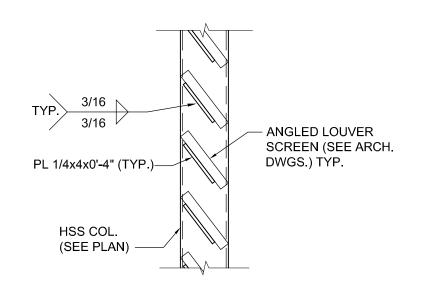
"db" DENOTES BAR DIAMETER.

- TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12 IN. OF CONCRETE CAST IN THE
- MEMBER BELOW THE SPLICE.
- ALL SPLICES SHALL BE CLASS "B" SPLICE U.O.N.
- DEVELOPMENT AND LAP SPLICE LENGTHS SHOWN IN SCHEDULE ABOVE ARE BASED ON CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN db, CLEAR COVER NOT LESS THAN db, AND STIRRUPS OR TIES THROUGHOUT THE DEVELOPMENT OR SPLICE LENGTH NOT LESS THAN THE CODE MINIMUM, OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db. FOR OTHER CASES, INCREASE LENGTHS GIVEN IN SCHEDULE ABOVE BY 50%.

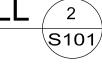


C.J. ON PLAN MAY BE CONTROL JOINT OR CONSTRUCTION JOINT

TYPICAL SLAB-ON-GROUND C.J. DETAIL \S101/ N.T.S.



TYPICAL DETAIL STEEL PLATE CONN. FOR ANGLED LOUVER SCREEN WALL 2 1-1/2" = 1'-0"



Dwn. Chkd. Dsgn. YY.MM.DD

DESIGN DEVELOPMEN By Appd. YY.MM.DD By Appd. YY.MM.DD Issued

Consultants

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KEY WEST, FLORIDA

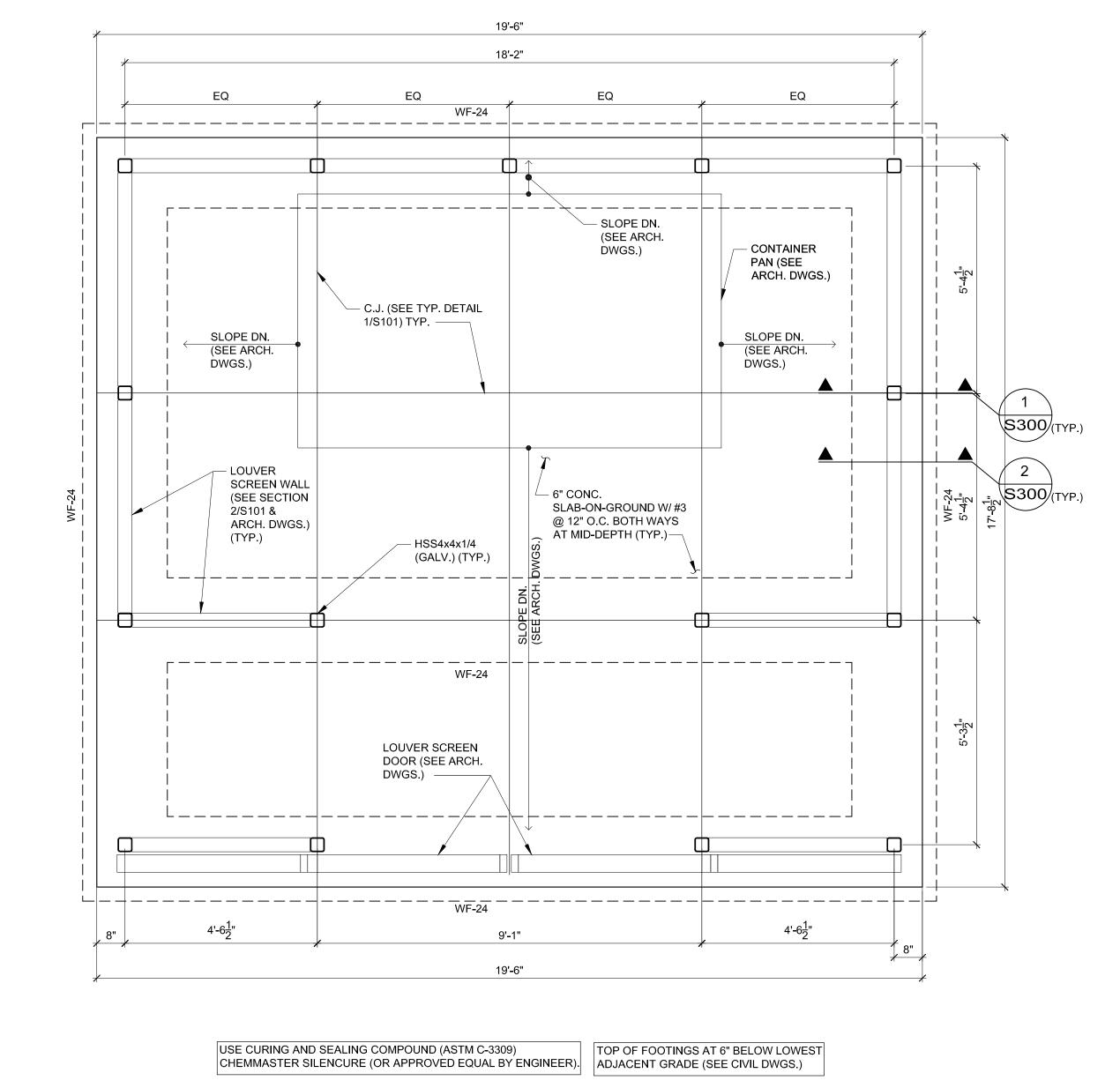
CITY OF KEY WEST

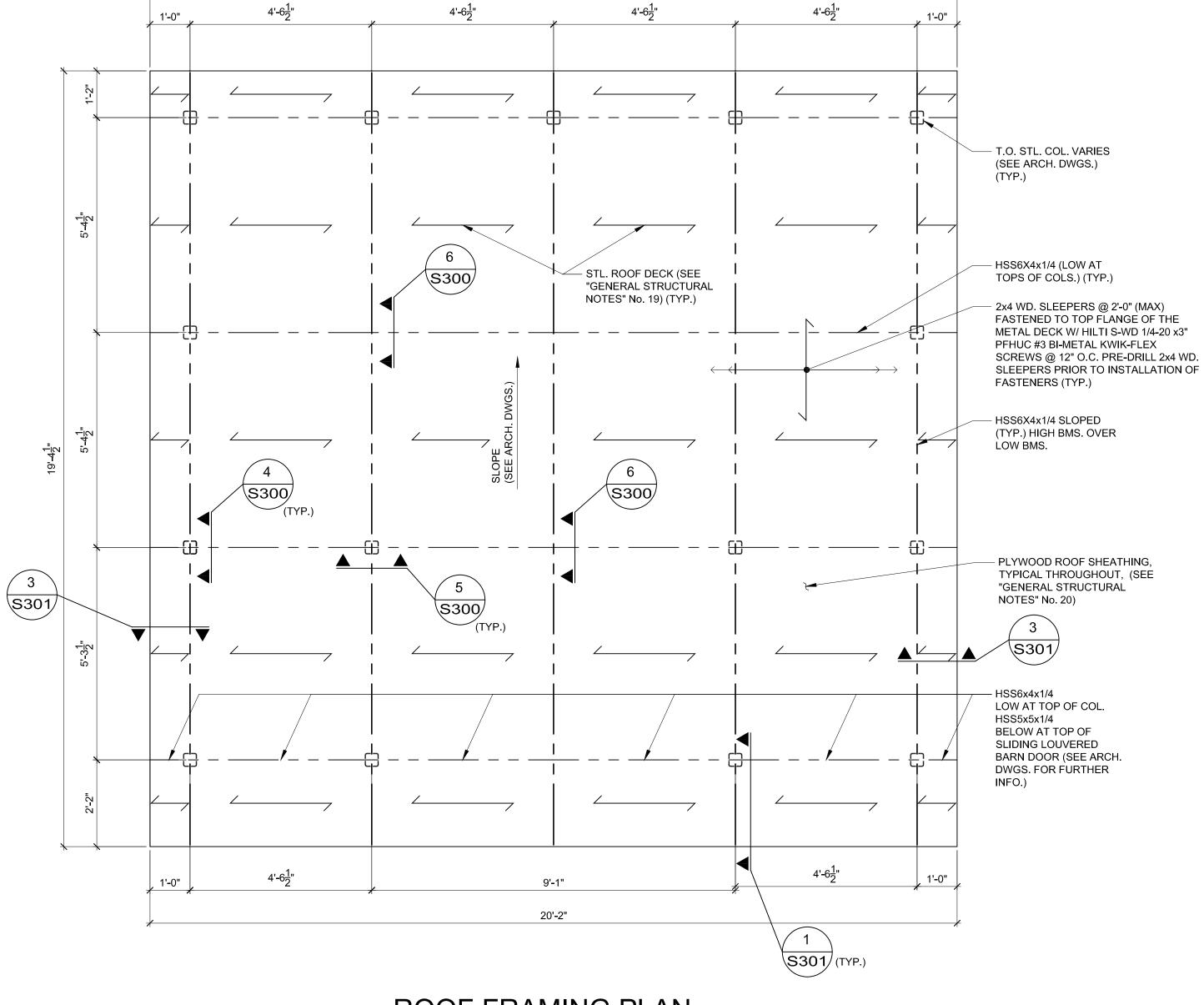
WASTE TRANSFER STATIONS

CONT. GENERAL STRUCTURAL NOTES, SCHEDULES AND TYPICAL DETAILS Project No. Scale

AS SHOWN Revision Drawing No. S101 2 of 7

Revision





ROOF FRAMING PLAN

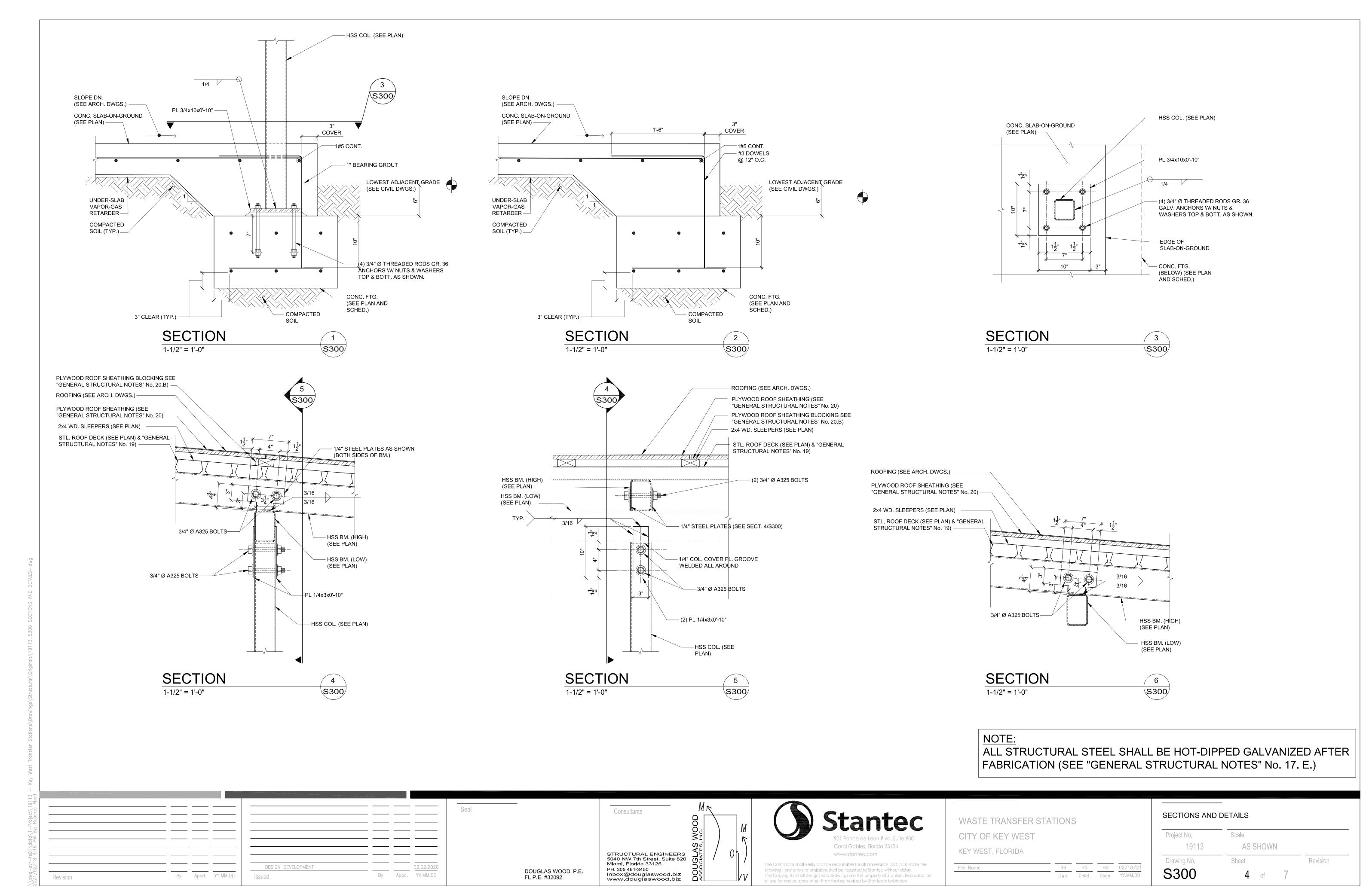
FOUNDATION AND GROUND FLOOR PLAN 1/2" = 1'-0"

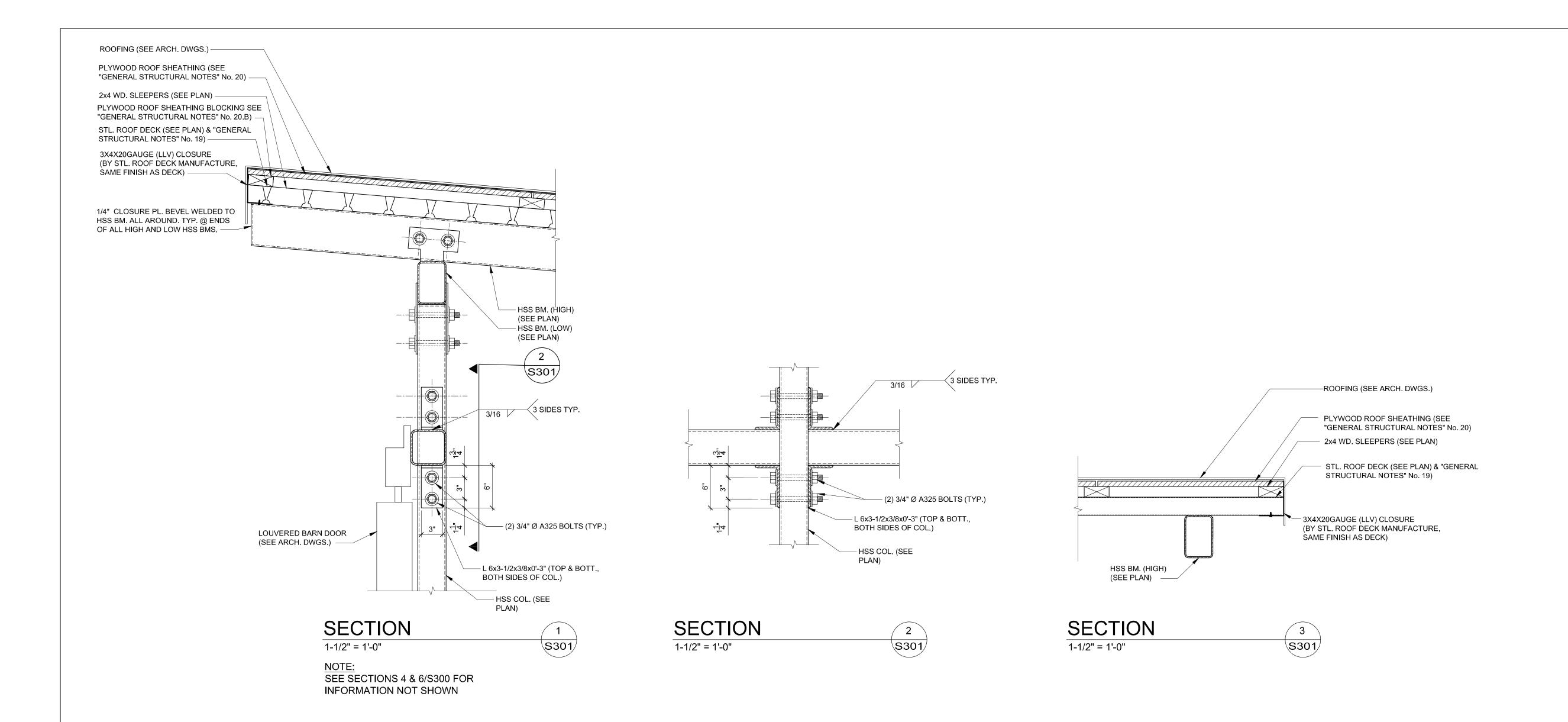
NOTE:

ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION (SEE "GENERAL STRUCTURAL NOTES" No. 17. E.)

Consultants FOUNDATION, GROUND WASTE TRANSFER STATIONS AND ROOF PLANS CITY OF KEY WEST Project No. AS SHOWN KEY WEST, FLORIDA STRUCTURAL ENGINEERS 5040 NW 7th Street, Suite 820 www.stantec.com Drawing No. Revision Miami, Florida 33126 PH. 305 461-3450 DOUGLAS WOOD, P.E. FL P.E. #32092 S200 3 of 7 inbox@douglaswood.biz By Appd. YY.MM.DD By Appd. YY.MM.DD Dwn. Chkd. Dsgn. YY.MM.DD Issued www.douglaswood.biz

ect\19113 — Key West Transfer Stations\Drawings\Structural\Originals\19113_S200 GROUND AND ROOF PLANS.dwg oerto Abad





ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION (SEE "GENERAL STRUCTURAL NOTES" No. 17. E.)

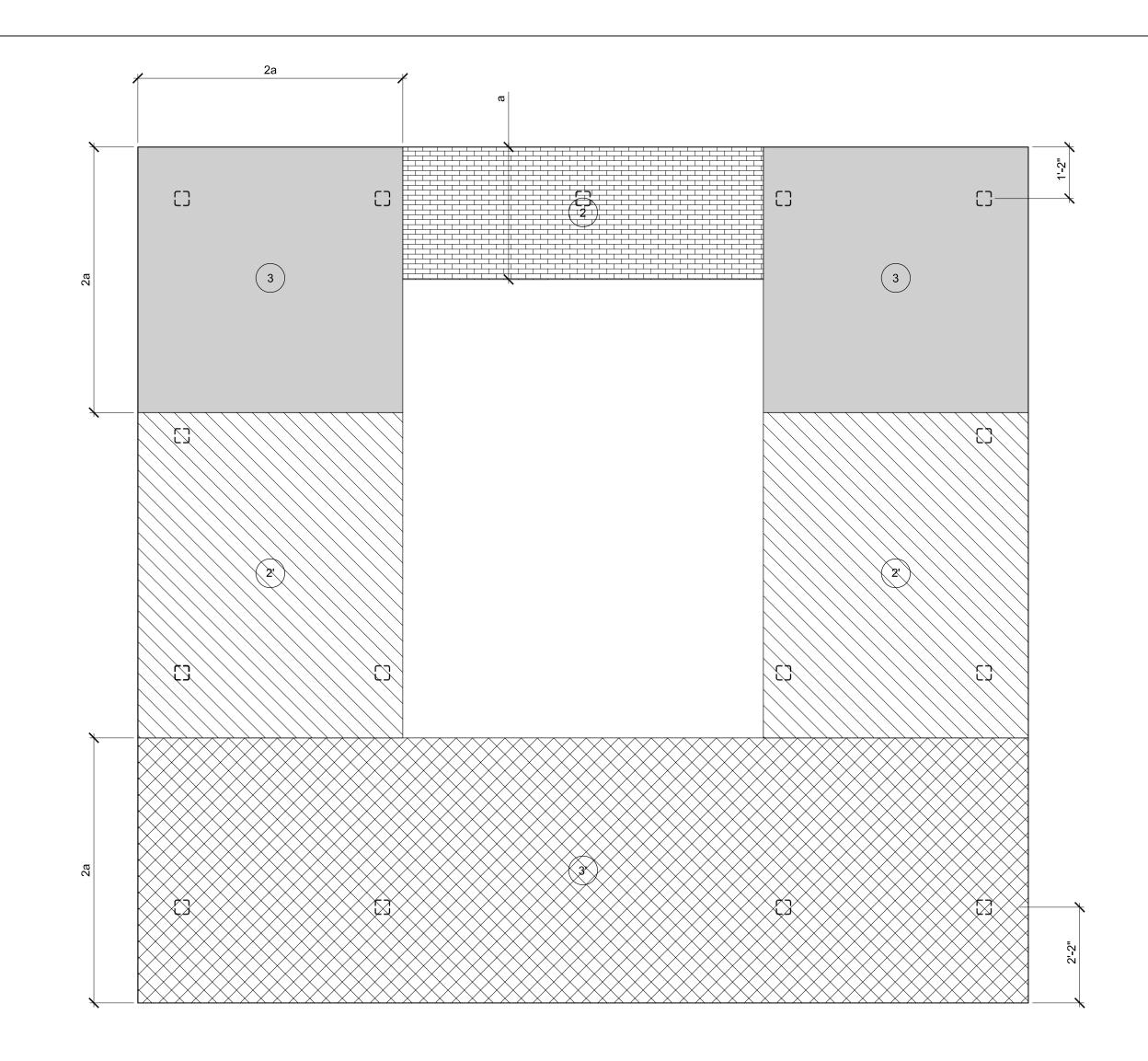
Scale

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5 of 7

Revision

Consultants SECTIONS AND DETAILS WASTE TRANSFER STATIONS CITY OF KEY WEST Project No. Coral Gables, Florida 33134 KEY WEST, FLORIDA STRUCTURAL ENGINEERS 5040 NW 7th Street, Suite 820 www.stantec.com Drawing No. Miami, Florida 33126 The Contractor shall verify and be responsible for all dimensions. DO NOT scale the DESIGN DEVELOPMENT PH. 305 461-3450 DOUGLAS WOOD, P.E. FL P.E. #32092 S301 Dwn. Chkd. Dsgn. YY.MM.DD drawing - any errors or omissions shall be reported to Stantec without delay. inbox@douglaswood.biz By Appd. YY.MM.DD By Appd. YY.MM.DD The Copyrights to all designs and drawings are the property of Stantec. Reproduction Issued www.douglaswood.biz



DESIGN WIND PRESSURES FOR ROOFING SYSTEM - ROOF PLAN

By Appd. YY.MM.DD

DESIGN DEVELOPMENT

Issued

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SCHEDULE OF DESIGN WIND F	PRESSUR	ES FOR R	OOFING S	YSTEM
DESIGN WIND LOAD	NEGATI	/E (PSF)	POSIT	IVE (PSF)
	Рицт.	P _{ASD}	Рицт.	P _{ASD}
ZONE 1	-89.0	-53.4	24.3	14.6
ZONE 2	-105.2	-63.1	24.3	14.6
ZONE 2'	-129.5	-77.7	24.3	14.6
ZONE 3	-145.7	-87.4	24.3	14.6
ZONE 3'	-210.4	-126.2	24.3	14.6

a=3.0ft

SCHEDULE ABOVE.

Consultants

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ROOFING NOTES:
FOR DESIGN WIND PRESSURES (PERPENDICULAR TO SURFACE), NEGATIVE VALUES = WIND PRESSURE AWAY FROM SURFACE IN ACCORDANCE WITH ASCE 7-16 COMPONENTS & CLADDING [RISK CATEGORY II, 190 MPH ULTIMATE WIND SPEED; DIRECTIONALITY FACTOR Kd = 0.85. EXPOSURE D; INTERNAL PRESSURE COEFFICIENTS = ± 0.00]. BOTH ULTIMATE PRESSURES AND ALLOWABLE PRESSURES (0.6 x PULT) ARE INDICATED ON

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WASTE TRANSFER STATIONS CITY OF KEY WEST KEY WEST, FLORIDA

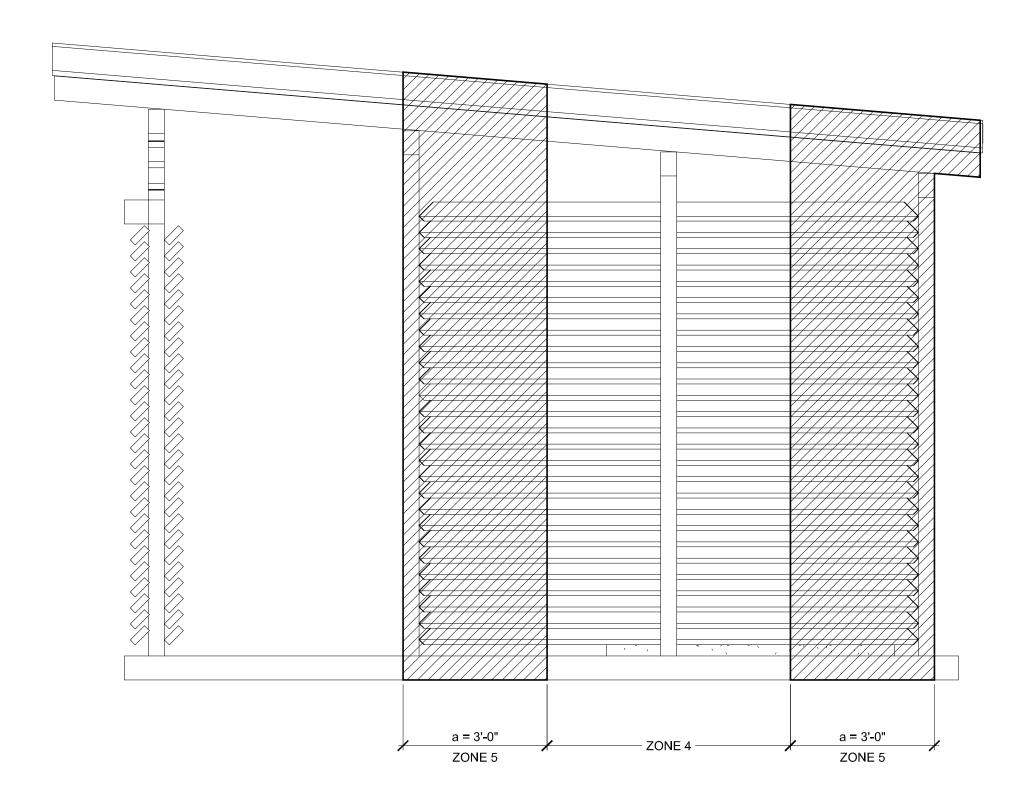
RB HG HG 02/18/21 Dwn. Chkd. Dsgn. YY.MM.DD

DESIGN WIND PRESSURES FOR ROOFING SYSTEM Project No. AS SHOWN Drawing No. Revision S400 6 of 7

ORIGINAL SHEET - ANSI D HORIZ

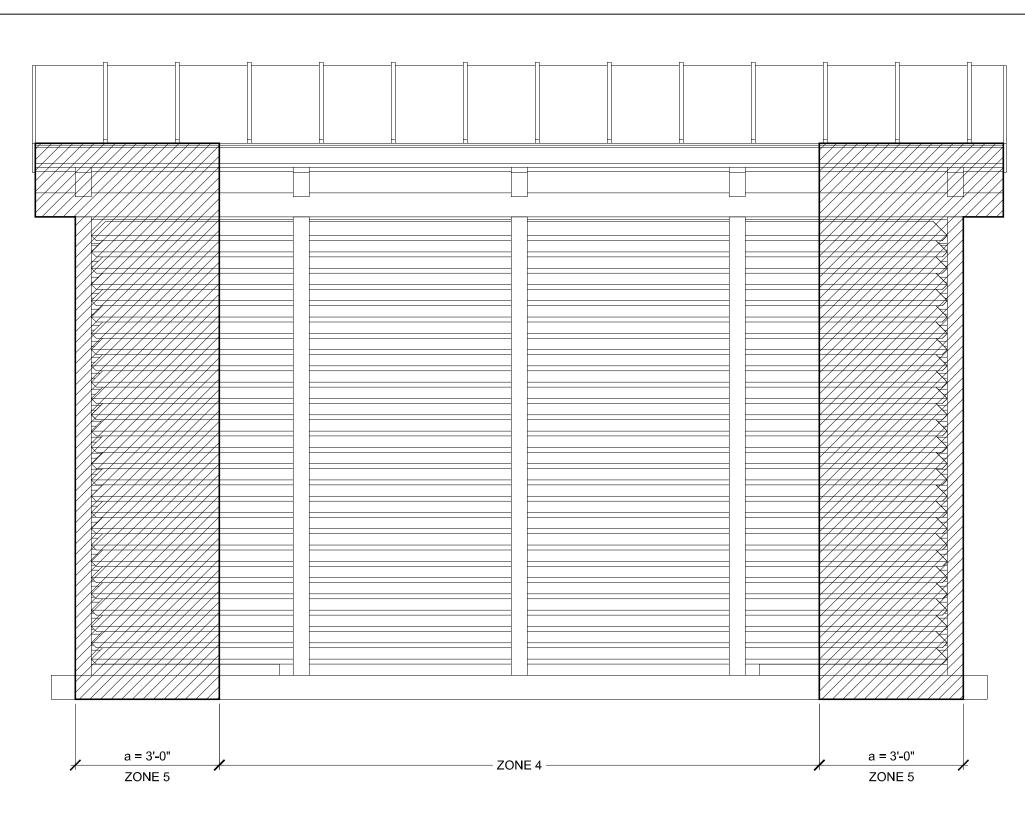
Revision

FRONT ELEVATION 1/2" = 1'-0"



SIDE ELEVATION

1/2" = 1'-0"



REAR ELEVATION

1/2" = 1'-0"

DESIGN WIND PRESSURES FOR CLADDING														
				ZONE 4				ZONE 5						
AREA(SQFT) DESIGN WIND PRESSURES	10	20	30	40	50	60	>70	10	20	30	40	50	60	>70
ULTIMATE (PSF)	-103.6	- 99.3	- 96.8	- 95.0	- 93.6	- 92.5	-91.5	-127.9	-119.3	-114.2	-110.7	-107.9	-105.6	-103.7
021	95.5	91.2	88.7	86.9	85.5	84.4	93.4	95.5	91.2	88.7	86.9	85.5	84.4	83.4
ALLOWABLE(PSF)	-62.2	-59.6	-58.1	-57.0	-56.2	-55.5	-54.9	-76.7	-71.6	-68.5	-66.4	-64.7	-63.4	-62.2
	57.3	54.7	53.2	52.1	51.3	50.6	56.0	57.3	54.7	53.2	52.1	51.3	50.6	50.0

EXTERIOR DOOR AND CLADDING NOTES:

DESIGN WIND PRESSURES (PERPENDICULAR TO SURFACE) FOR ALL EXTERIOR DOOR AND CLADDING ARE INDICATED ON ELEVATIONS (NEGATIVE VALUES = WIND PRESSURE AWAY FROM SURFACE & POSITIVE VALUES = WIND PRESSURE TOWARDS SURFACE) IN ACCORDANCE WITH ASCE 7-16 COMPONENTS & CLADDING [RISK CATEGORY II; 190 mph ULTIMATE WIND SPEED; DIRECTIONALITY FACTOR Kd = 0.85; EXPOSURE D; INTERNAL PRESSURE COEFFICIENTS = ± 0.18]. BOTH ULTIMATE PRESSURES AND ALLOWABLE PRESSURES (0.6 x Pult) ARE INDICATED ON ELEVATIONS AND SCHEDULE ABOVE.

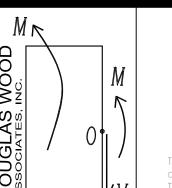
Revision Revision

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Seal

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Y WEST, FLORIDA

| Name: | RB | HG | HG | 02/18/21 |
| Dwn. | Chkd. | Dsgn. | YY.MM.DD

DESIGN WIND PRESSURES FOR DOORS, WINDOWS & CLADDING

Project No. Scale

19113 AS SHOWN

Drawing No. Sheet Revision

7 of **7**

S401

ORIGINAL SHEET — ANSI D HORIZ

ings\Structural\Originals\19113_S401 WIND PRESSURES FOR DOORS & CLADDING.dwg