

CITY OF KEY WEST
OIL & GAS WASTE STATIONS
KEY WEST, FLORIDA
ITB 21-010

PROJECT LOCATION
KEY WEST BIGHT

PROJECT LOCATION
CITY MARINA AT GARRISON BIGHT

PROJECT LOCATION
ROCKLAND KEY

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
C-00	COVER SHEET
C-01	CITY MARINA AT GARRISON BIGHT - SITE PLAN
C-02	KEY WEST BIGHT - SITE PLAN
C-03	ROCKLAND KEY - SITE PLAN
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
A-200K	EXTERIOR ELEVATIONS - KEY WEST
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
S-200	FOUNDATION, GROUND AND ROOF PLANS
S-300 - S-301	SECTIONS AND DETAILS
S-400	DESIGN WIND PRESSURES FOR ROOFING SYSTEM
S-401	DESIGN WIND PRESSURES FOR DOORS, WINDOWS & CLADDING

LOCATION SKETCH

N



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

V:\215614441\Drawings\215614441_Cover_Sheet.dwg
2021/09/21 1:53 PM by: stantec, key

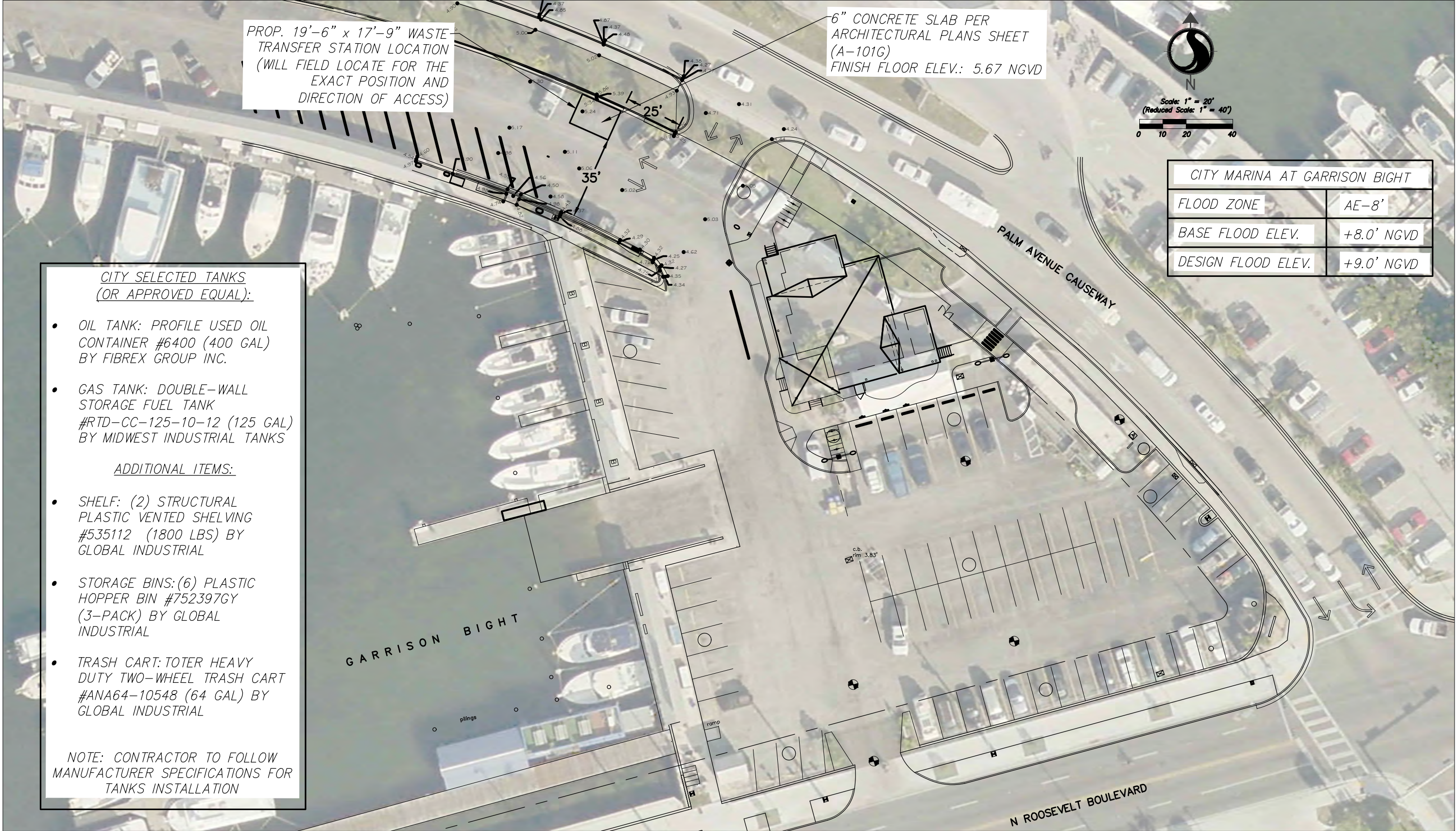
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

APPROVALS			
AGENCY	SUBMITTAL DATE	APPROVAL DATE	PERMIT NUMBER



901 Ponce de Leon Blvd. Suite 900
Coral Gables, Florida 33134
Tel. 305-445-2900
Fax. 305-445-3344
www.stantec.com

THE SCALE OF THESE DRAWINGS MAY HAVE CHANGED
DUE TO REPRODUCTION



V:\2156\active\21561444\Key West Waste Transfer_Site Plan.dwg
2021/09/21 1:33 PM By: Soaveiro, Mayra

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

Seal

Consultants



Stantec

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

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 or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

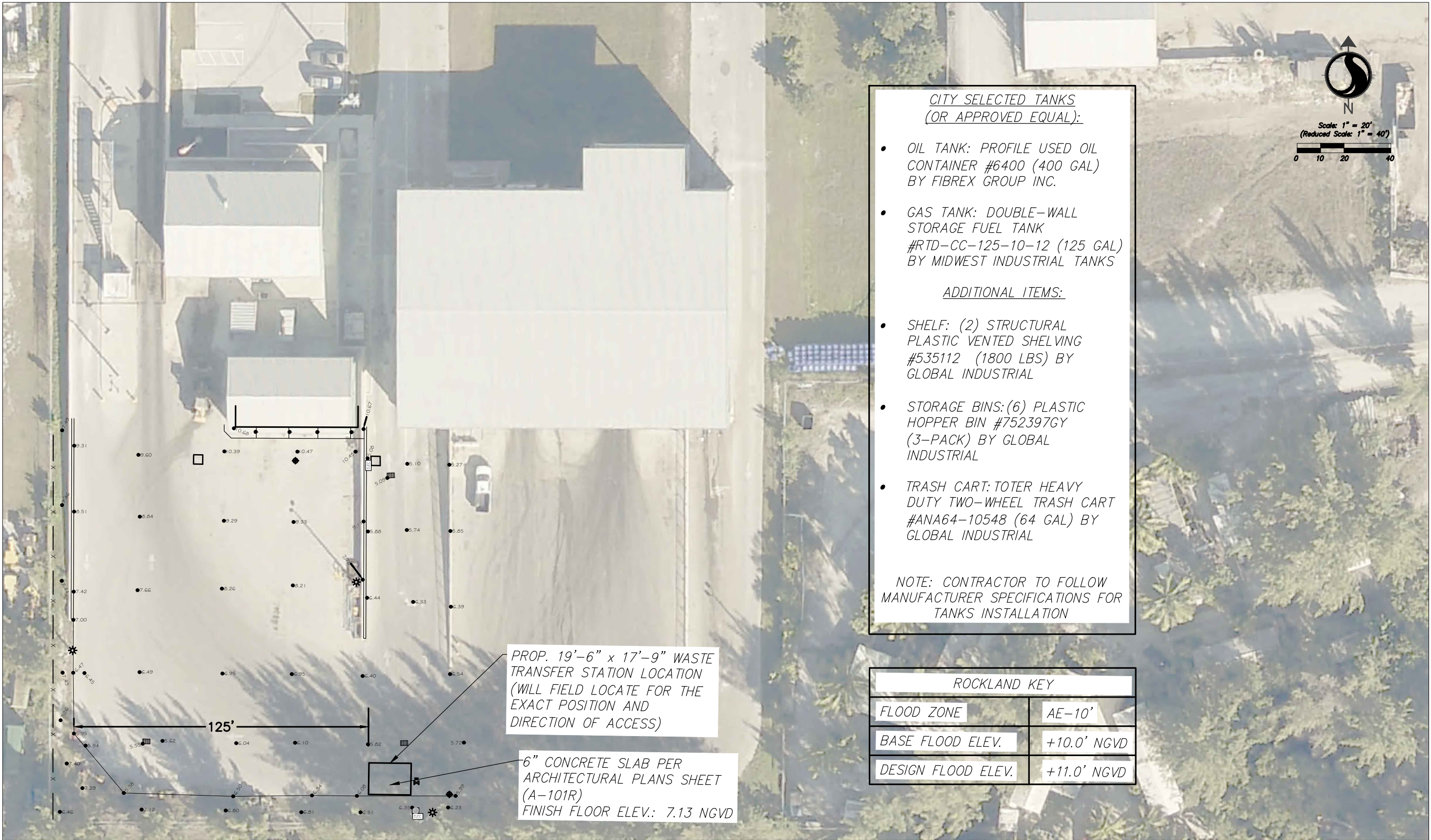
File Name: RM MA MA 2017/07/04
Dwn. Chkd. Dsgn. YY.MM.DD

CITY MARINA AT GARRISON BIGHT - SITE PLAN

Project No. 215614441 Scale

Drawing No. Sheet Revision

C-01 of



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 INDUSTRIAL
- TRASH CART: TOTE HEAVY DUTY TWO-WHEEL TRASH CART #ANA64-10548 (64 GAL) BY GLOBAL INDUSTRIAL

NOTE: CONTRACTOR TO FOLLOW MANUFACTURER SPECIFICATIONS FOR TANKS INSTALLATION

ROCKLAND KEY

FLOOD ZONE	AE-10'
BASE FLOOD ELEV.	+10.0' NGVD
DESIGN FLOOD ELEV.	+11.0' NGVD

PROP. 19'-6" x 17'-9" WASTE TRANSFER STATION LOCATION (WILL FIELD LOCATE FOR THE EXACT POSITION AND DIRECTION OF ACCESS)

6" CONCRETE SLAB PER ARCHITECTURAL PLANS SHEET (A-101R) FINISH FLOOR ELEV.: 7.13 NGVD


V:\2156\active\215614441\Key West Waste Transfer_Site Plan.dwg
2021/09/21 1:33 PM By: Soaveiro, Myra

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

Seal

Consultants

**Stantec**

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

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 or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS			
CITY OF KEY WEST			
KEY WEST, FLORIDA			
File Name:	RM	MA	2017/07/04
	Dwn.	Chkd.	Dsgn.

ROCKLAND KEY - SITE PLAN		
Project No.	Scale	
215614441		
Drawing No.	Sheet	Revision
C-03	of	

PROP. OIL AND GAS WASTE
STATION 19'-6" x 17'-9")
(WILL FIELD LOCATE STATION
FOR THE EXACT POSITION AND
DIRECTION OF ACCESS)

-6" CONCRETE SLAB
(SEE ARCHITECTURAL PLANS
FOR FURTHER DETAILS)

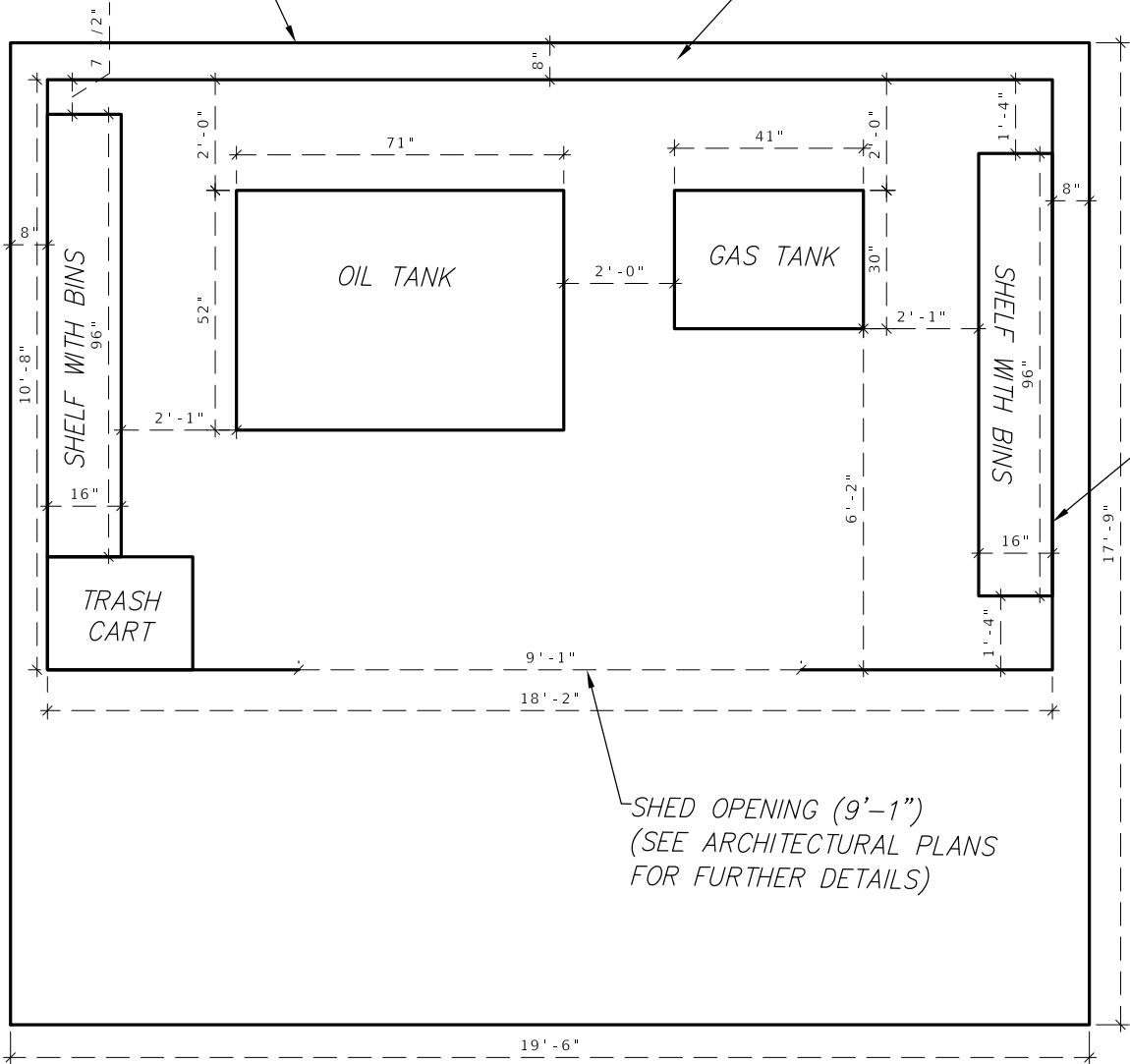
CITY SELECTED TANKS
(OR APPROVED EQUAL):

- 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 INDUSTRIAL*
- *TRASH CART: TOTE HEAVY DUTY TWO-WHEEL TRASH CART #ANA64-10548 (64 GAL) BY GLOBAL INDUSTRIAL*

NOTE: CONTRACTOR TO FOLLOW
MANUFACTURER SPECIFICATIONS FOR
TANKS INSTALLATION



PROP. SHED (18'-2" X 10'-8")
(SEE ARCHITECTURAL PLANS
FOR FURTHER DETAILS)

SHED OPENING (9'-1")
(SEE ARCHITECTURAL PLANS
FOR FURTHER DETAILS)

[illegible]

Sea

Consultants



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 or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:	RM	MA	MA	2017/07/0
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

STATION DETAILS

Project No.
215614441

Drawing No.

Scale

Sheet

evision

C-04

of

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 (2017)
- 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 ELEMENTS.
- 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 REMAIN.
- 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 REQUIREMENTS FOR CONSTRUCTION.
- DO NOT SCALE DRAWINGS. DIMENSION AND/OR EXISTING CONDITIONS GOVERN. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE BEST PRACTICES OF THE CONSTRUCTION TRADE.
- ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER'S PROJECT MANAGER.
- ALL TRADE CONTRACTORS SHALL VERIFY ALL UTILITIES, AND PLACEMENT LOCATIONS OF PIPE CONDUIT, EQUIPMENT, DUCTWORK, ETC., PRIOR TO SUBMITTING BIDS. COORDINATE TO SCHEDULE WALK-THRU.
- 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.
- 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 PARTITIONS.
- 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

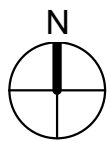
- XXXXXX NEW GWB/STUD PARTITION
- ===== EXISTING WALLS/STRUCTURE TO REMAIN
- ITEMS TO BE REMOVED (DEMOLITION PLAN)
- #
A-# WALL SECTION
- #
A-# DETAIL OR SECTION
- #
A-# SECTION OR DETAIL NO.
- #
A-# SHEET ON WHICH DETAIL OR SECTION OCCURS
- 1
A-# ELEVATION NUMBER
- 4
A-# SHEET ON WHICH PLAN DETAIL OCCURS
- X WALL TYPE
- 5 DOOR NO.
- E EXIST. DOOR
- B WINDOW NO.
- SF1 STOREFRONT TYPE/NO.
- ROOM NAME
145 ROOM NAME/NO.
- BREAK OR CUT LINE

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	HP	HIGH POINT
AL	ALUMINUM	INSUL.	INSULATE, INSULATION
APPROX.	APPROXIMATE	INT.	INTERIOR
ARCH.	ARCHITECTURAL/ARCHITECT	JT.	JOINT
AVG.	AVERAGE	LB.	POUND
BD.	BOARD	LP	LOW POINT
B.O.B.	BOTTOM OF BEAM	MAX.	MAXIMUM
B.O.C.	BOTTOM OF CEILING	MECH.	MECHANICAL
BOTT.	BOTTOM	MEMB.	MEMBRANE
CEM. PLS.	CEMENT PLASTER	MET.	METAL
CCTV	CLOSED CIRCUIT TELEVISION	MANUF.	MANUFACTURER
CG	CORNER GUARD	MIN.	MINIMUM
CLG.	CEILING	MISC.	MISCELLANEOUS
CMU	CONCRETE MASONRY UNIT	MAT.	MATERIAL
COL.	COLUMN	NIC	NOT IN CONTRACT
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	N.T.S.	NOT TO SCALE
D.F.	DRINKING FOUNTAIN	O.F.C.I.	OWNER PROVIDED, CONTRACTOR INSTALLED
DIA.	DIAMETER	P. LAM.	PLASTIC LAMINATE
DIM.	DIMENSION	PL	PLATE
DN.	DOWN	PLYWD.	PLYWOOD
DBL.	DOUBLE	PREFAB.	PREFABRICATED
DWG.	DRAWING	PVC	POLYVINYL CHLORIDE
EA.	EACH	P.	PIPE
ELEV.	ELEVATION	R	RADIUS
ELEC.	ELECTRICAL	REQ.	REQUIRED
EMERG.	EMERGENCY	REINF.	REINFORCEMENT
EQPT.	EQUIPMENT	SC.	SOLID CORE
EQ.	EQUAL	SIM.	SIMILAR
EXH.	EXHAUST	SHT.	SHEET
EXIST.	EXISTING	SPEC.	SPECIFICATION
E.J.	EXPANSION JOINT	S.S.	STAINLESS STEEL
E.W.	EACH WAY	SUSP.	SUSPEND, SUSPENDED
EW.	ELECTRIC WATER COOLER	SYS.	SYSTEM
FD.	FLOOR DRAIN	TEMP.	TEMPERED
FIN.	FINISH	T&G	TONGUE AND GROOVE
FLR.	FLOOR	T.O.B.	TOP OF BEAM
FT.	FOOT	T.O.S.	TOP OF SLAB
FTG.	FOOTING	T.O.P.	TOP OF PARAPET
GA.	GAUGE	T.O.W.	TOP OF WALL
GALV.	GALVANIZED	TYP.	TYPICAL
G.C.	GENERAL CONTRACTOR	U.N.O.	UNLESS NOTED OTHERWISE
GL.	GLASS	VERT.	VERTICAL
GWB	GYPSUM WALLBOARD	W/	WITH
HC.	HOLLOW CORE	WD.	WOOD
HDW.	HARDWARE	W/O	WITHOUT
HM.	HOLLOW METAL	WWF	WIRE WELDED FABRIC
HORZ.	HORIZONTAL		



LOCATION PLAN



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

Issued By Appd. YY.MM.DD

Seal

Consultants



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 or use for any purpose other than that authorized by Stantec is forbidden.

Client/Project

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:

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

Title

GENERAL NOTES

Project No.

215614441

Scale

Drawing No.

Sheet

Revision

G001 of 4

SHEET INDEX ARCH.				
SHEET NO.	SHEET NAME	DESIGN DEVELOPMENT - 03.03.2020	PERMIT ISSUE DATE	BUILDING DEPT. COMMENTS - 07/29/2021

G

G001	GENERAL NOTES	X		X
------	---------------	---	--	---

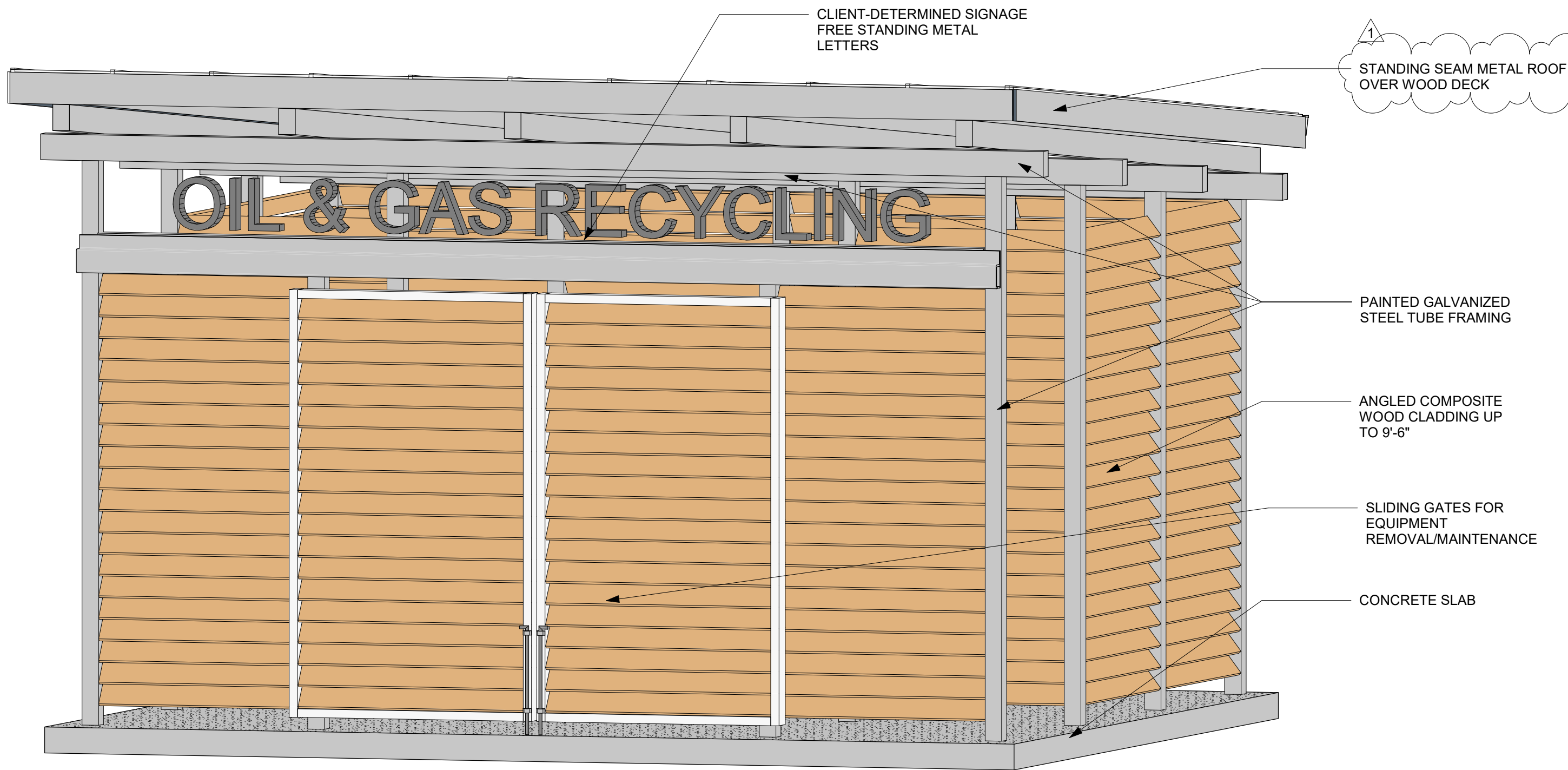
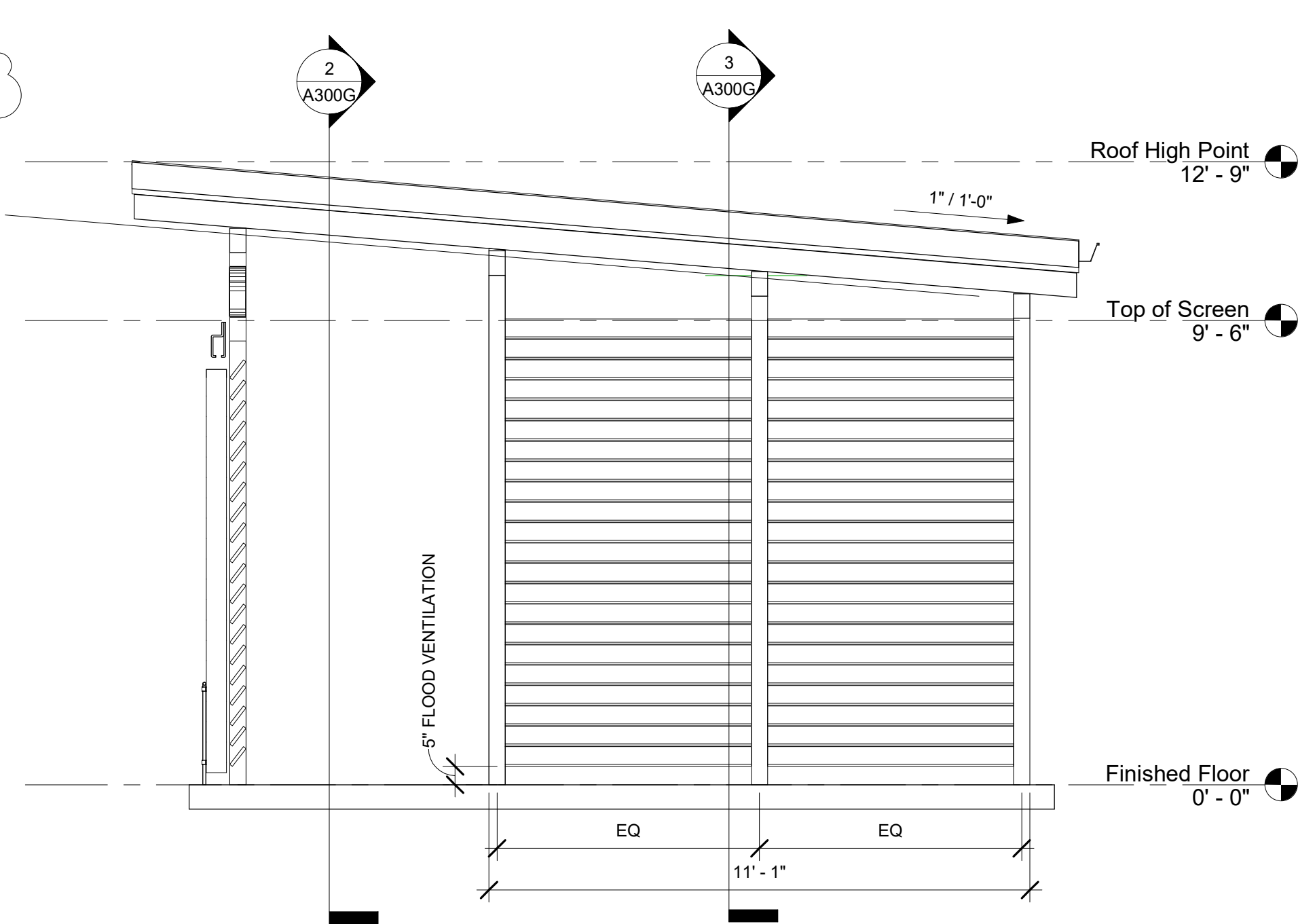
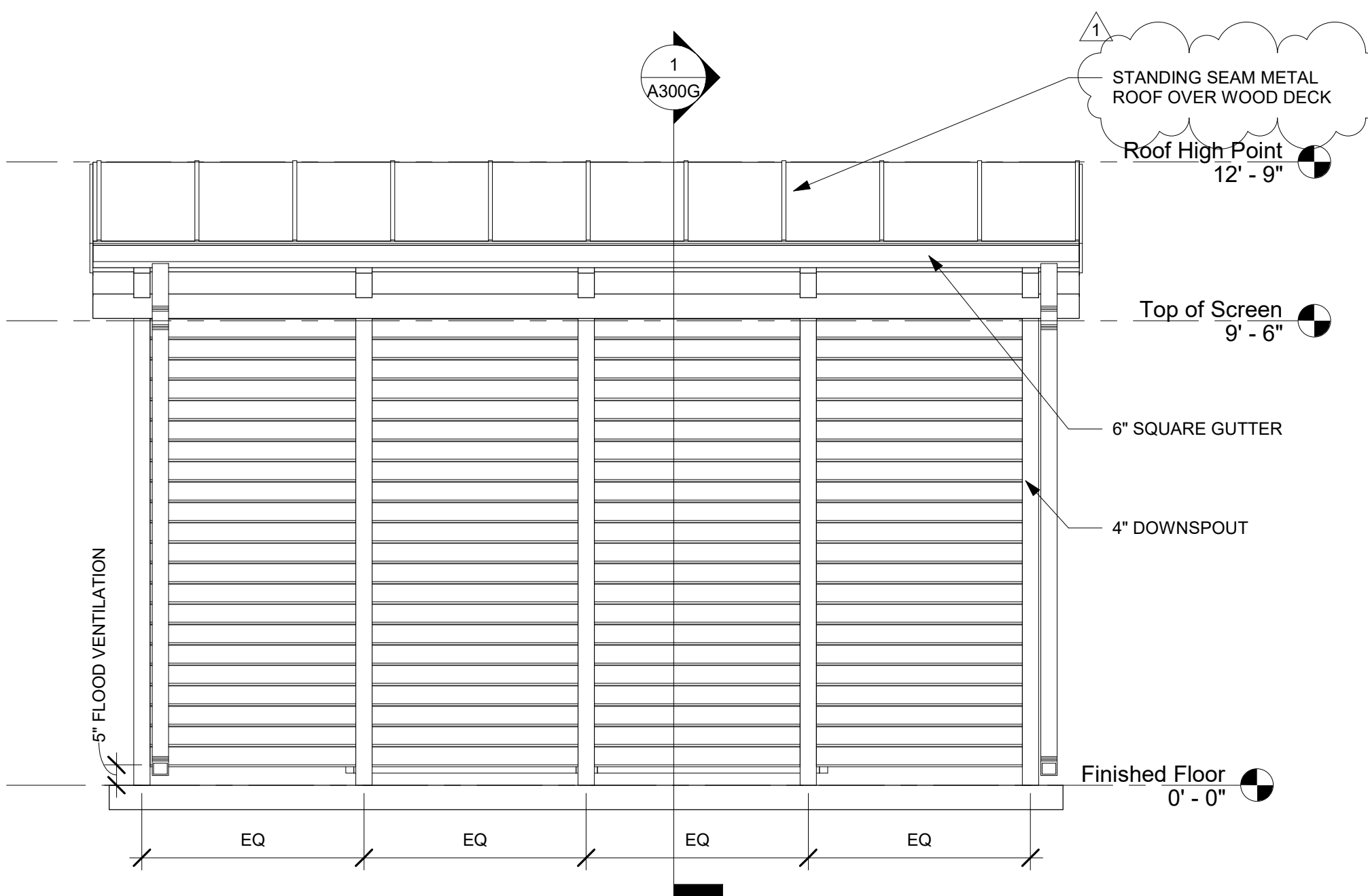
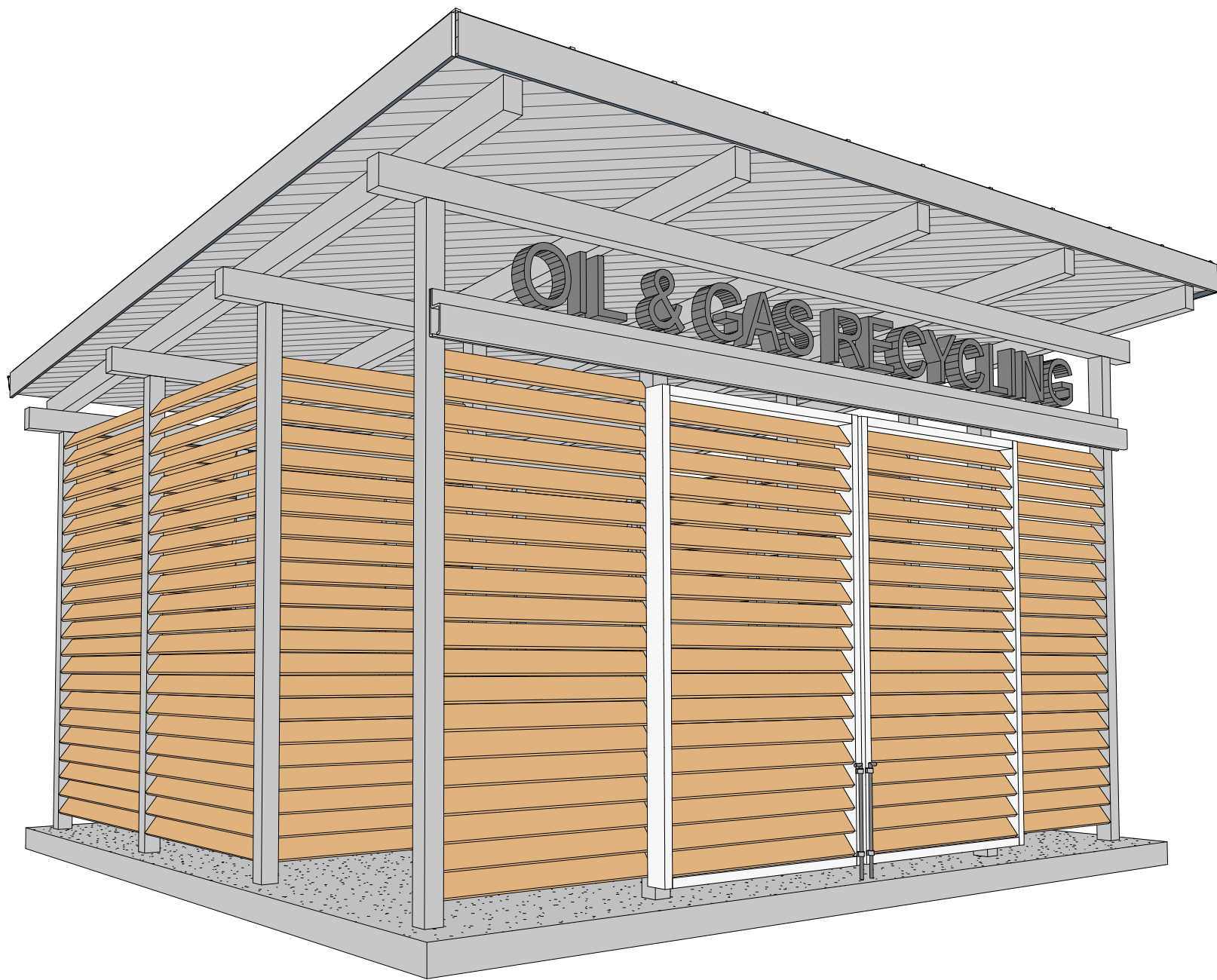
A101G	FLOOR PLANS - GARRISON BIGHT	X	X	X
A200G	EXTERIOR ELEVATIONS - GARRISON BIGHT	X	X	X
A300G	SECTIONS AND DETAILS - GARRISON BIGHT	X		X



BASIS OF DESIGN:

COMPOSITE WOOD SCREEN - RESYSTA 4CH CLADDING - 13/16" x 5-1/2"
COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

PROVIDE SIGNED AND SEALED SHOP DRAWINGS & CALCULATIONS SHOWING
ATTACHMENT OF COMPOSITE WOOD SCREEN TO STRUCTURAL STEEL PLATE
CONNECTIONS.



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

Issued	By _____	Appd. _____	YY-MM-DD _____

Seal



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 or use for any purpose other than that authorized by Stantec is forbidden.

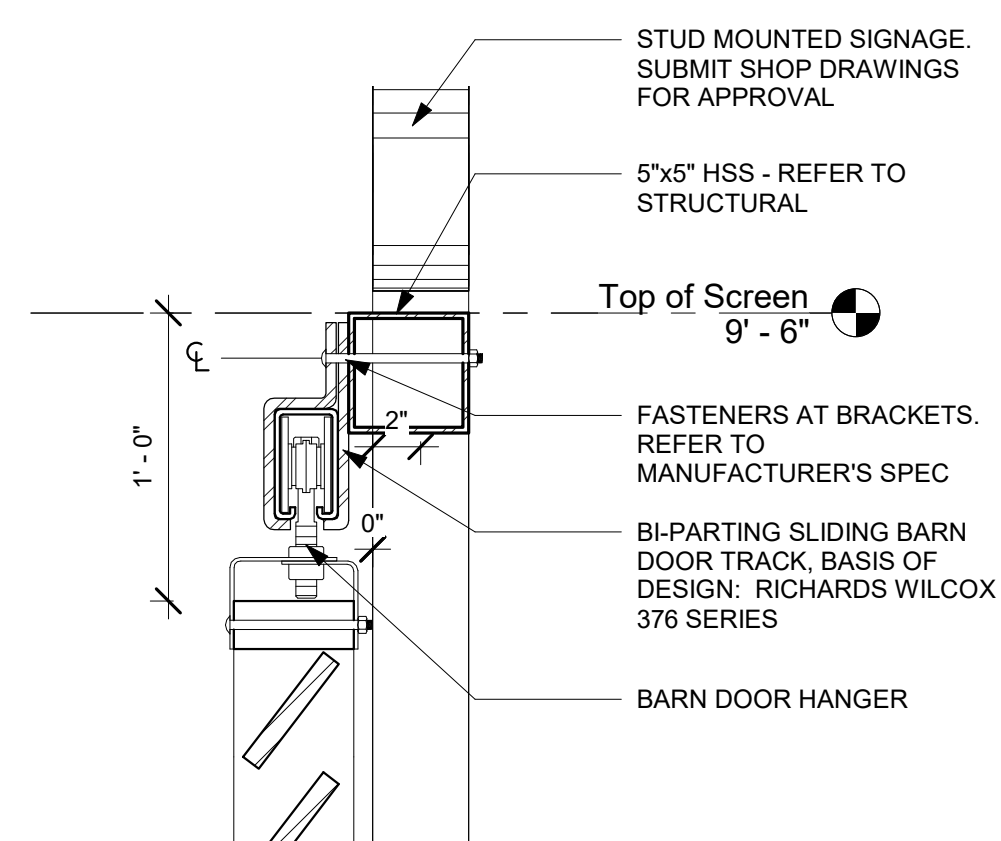
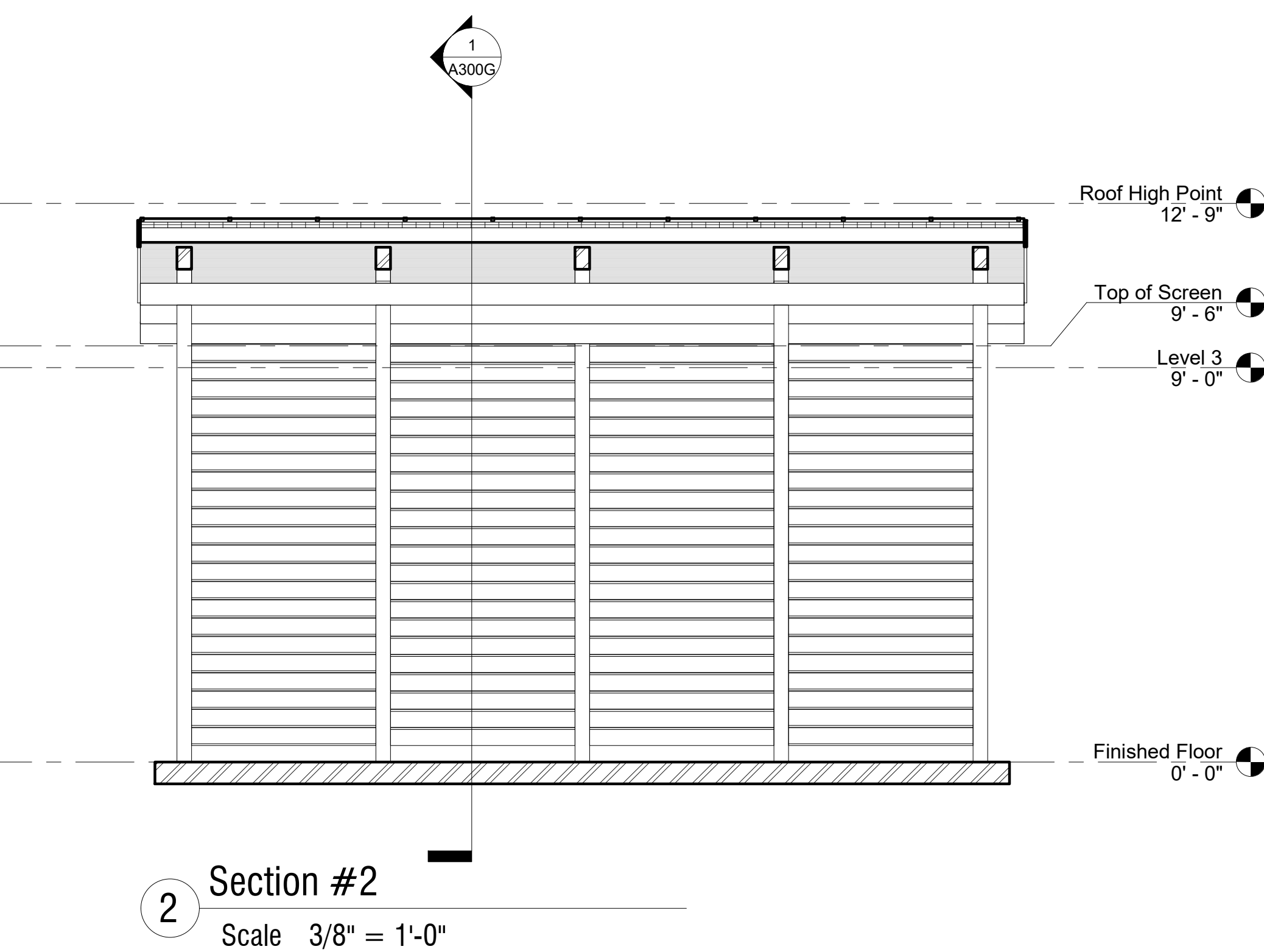
Client/Project
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:				2020/03/03
	Dwn.	Chkd.	Dsqn.	YY.MM.DD

Title
EXTERIOR ELEVATIONS - GARRISON BIGHT

Project No.	Scale
215614441	

Drawing No. Sheet Revision
A200G 4

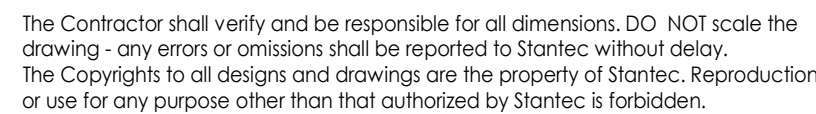
[illegible]

FERGUSON
GLASGOW
SCHUSTER
SOTO, INC.

Architecture Planning Interior Design

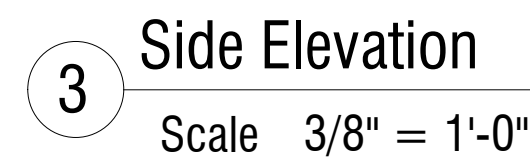
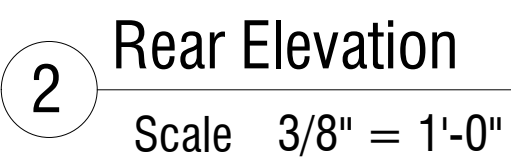
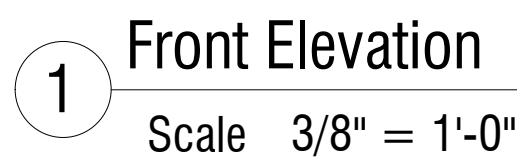
901 ponce de leon blvd. ste. 304
coral gables, florida 33134

305.443.7780
AR 9044



File Name:				2020/03/03
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

A300G 4



Issued	By	Appd.	YY.MM.DD

Seal



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 or use for any purpose other than that authorized by Stantec is forbidden.

Client/Project

WASTE TRANSFER STATIONS

CITY OF KEY WEST

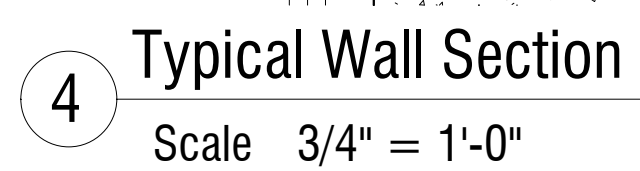
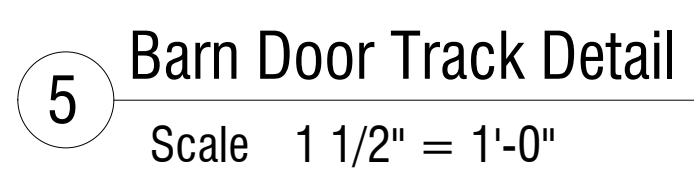
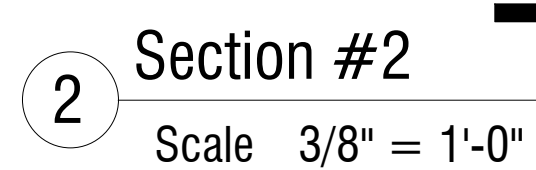
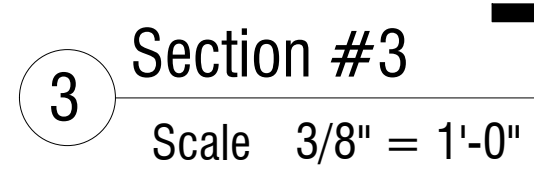
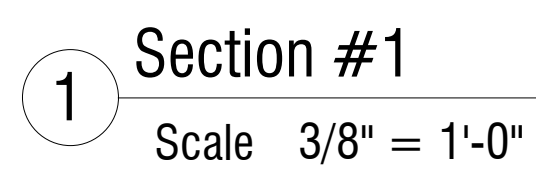
KEY WEST, FLORIDA

File Name:				2020/03/03
	Dwn.	Chkd.	Dscr.	YY.MM.DD

Title
EXTERIOR ELEVATIONS - KEY WEST

Project No.	Scale
215614441	

Drawing No.	Sheet	Revision
	A200K 4	



Issued	By	Appd.	YY.MM.DD

Seal



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 or use for any purpose other than that authorized by Stantec is forbidden.

Client/Project

WASTE TRANSFER STATIONS

CITY OF KEY WEST

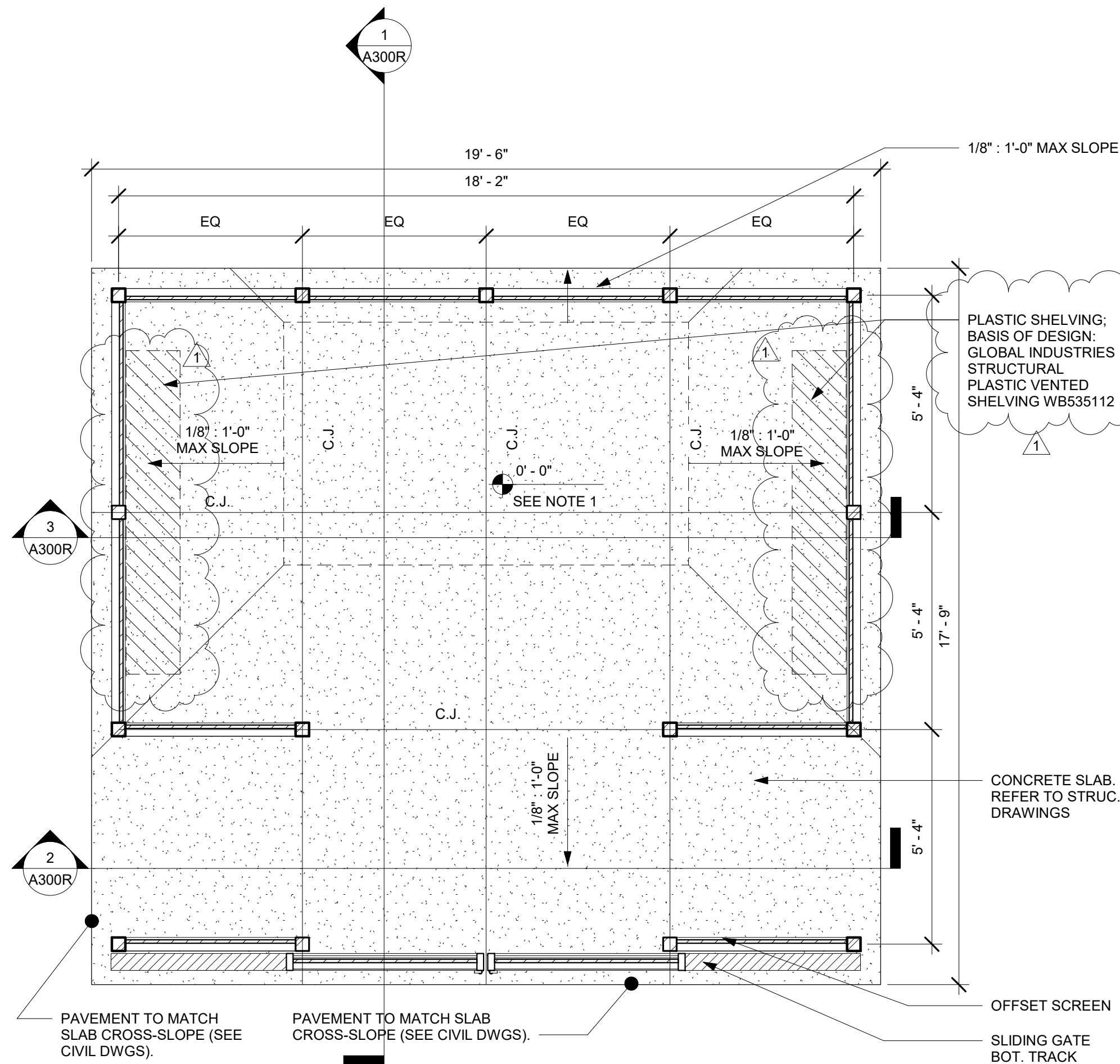
KEY WEST, FLORIDA

File Name:				2020/03/03
	Dwn.	Chkd.	Dscr.	YY.MM.DD

Title
SECTIONS AND DETAILS - KEY WEST

Project No.	Scale
215614441	

Drawing No.	Sheet	Revision
	A300K 4	

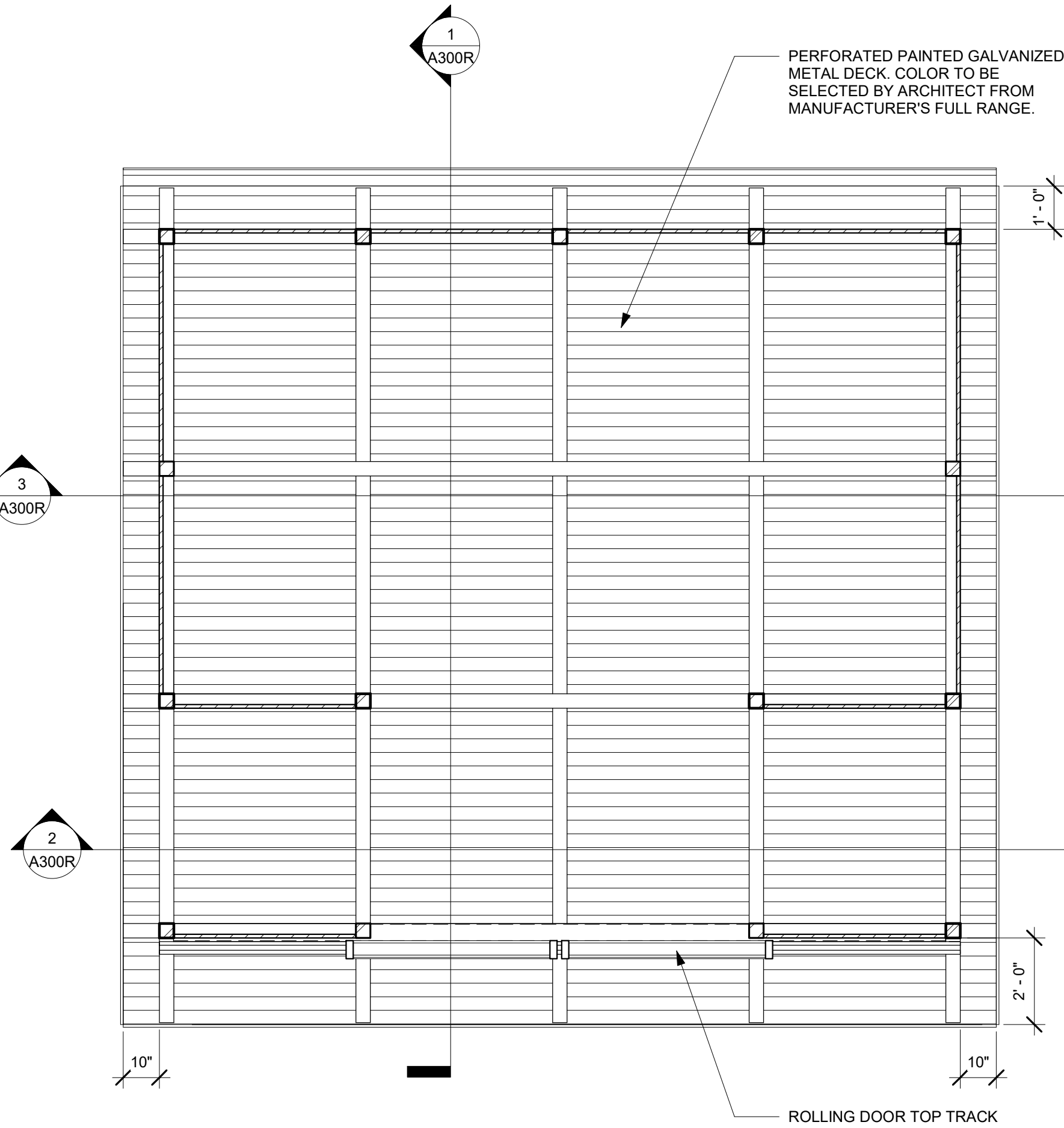


FLOOR PLAN NOTES

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

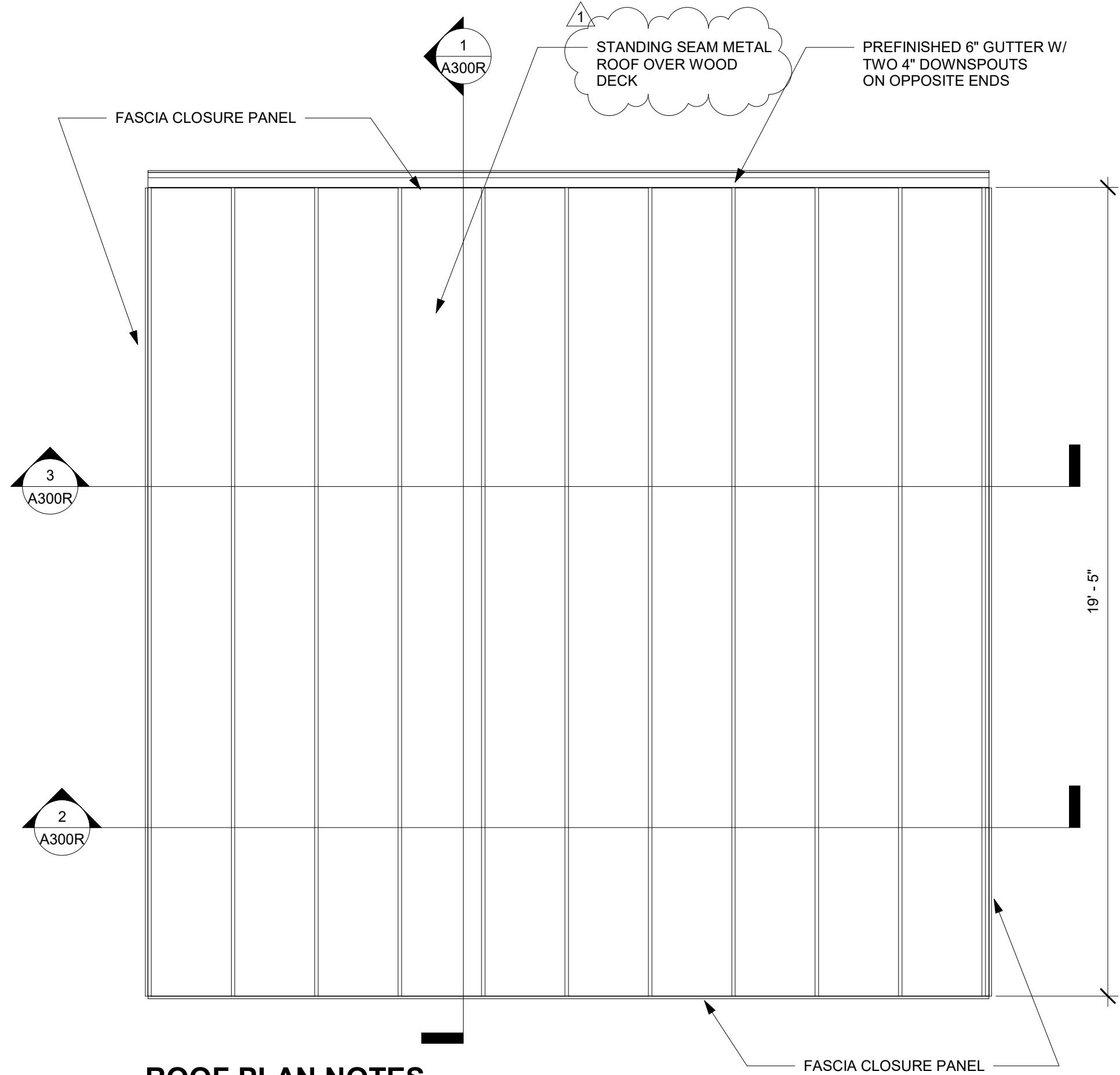
1 Floor Plan

Scale 3/8" = 1'-0"



2 Reflected Ceiling Plan

Scale 3/8" = 1'-0"



ROOF PLAN NOTES

- △ BASIS OF DESIGN:
- DREXEL METAL - DMC 175 S - 0.032" ALUM. PANEL OVER WOOD DECK
- MIAMI-DADE NOA: 19-0807.16. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

3 Roof Plan

Scale 3/8" = 1'-0"

\\2156\active\21561444\Drawings\ref\21561444_1\Titleblock.dwg
2014/10/28 12:33 PM By: Szwedra, Miroslaw

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

_____ Issued	_____ By	_____ Appd.	_____ YY.MM.DD
-----------------	-------------	----------------	-------------------

Seal



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 or use for any purpose other than that authorized by Stantec is forbidden.

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

File Name: _____
Dwn. Chkd. Dsgn. 2020/03/03
YY.MM.DD

Title
FLOOR PLANS - ROCKLAND

Project No.
215614441

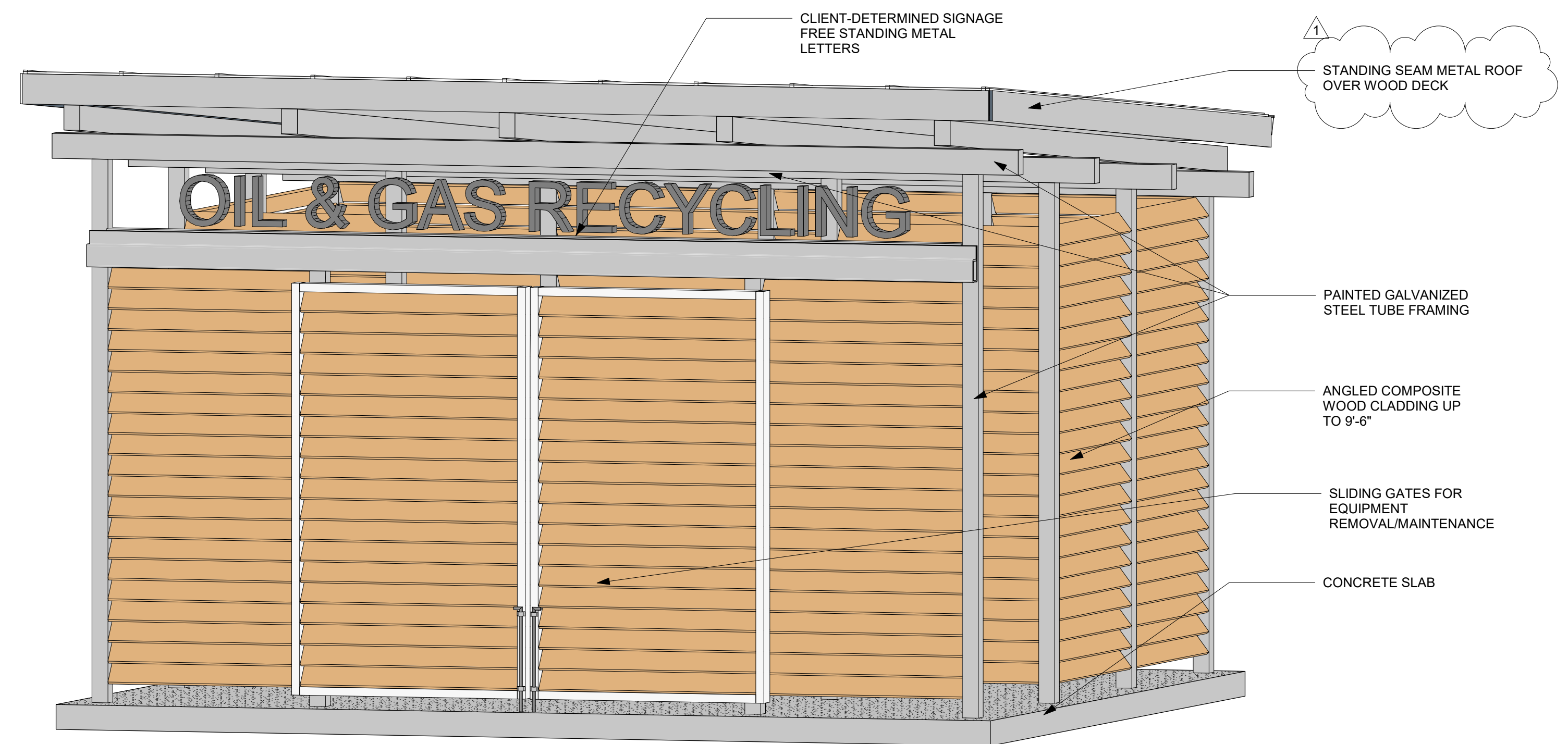
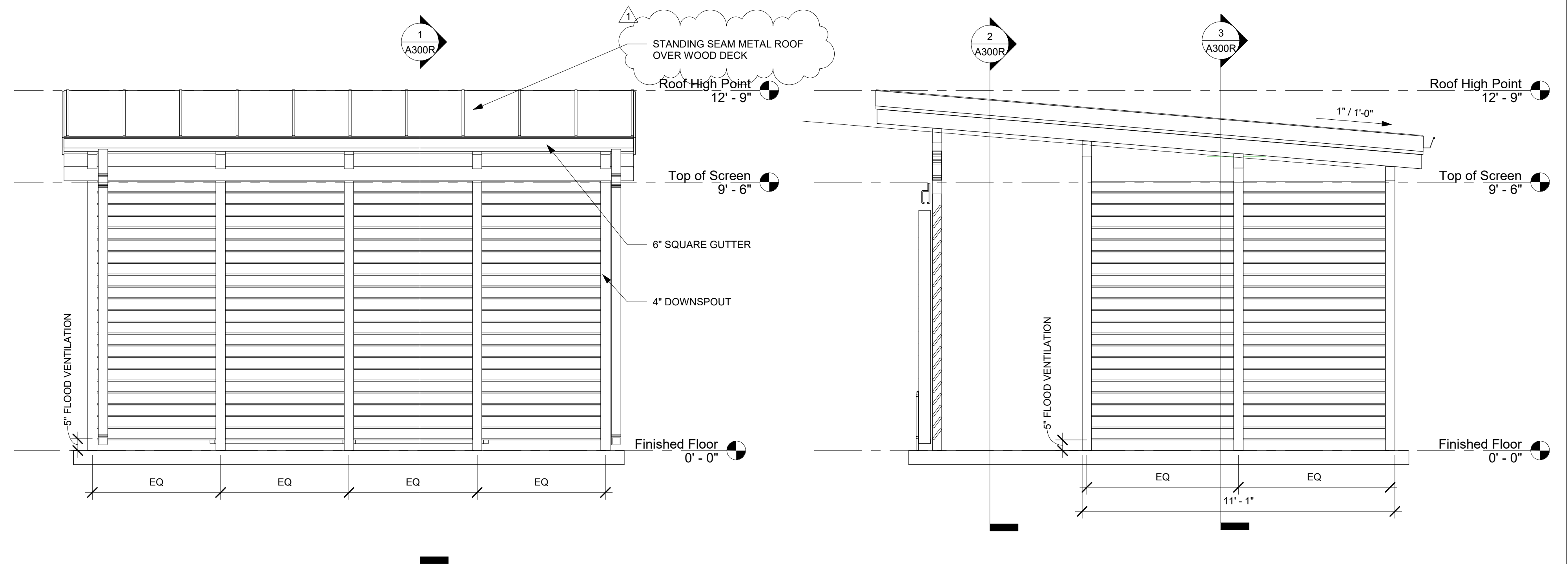
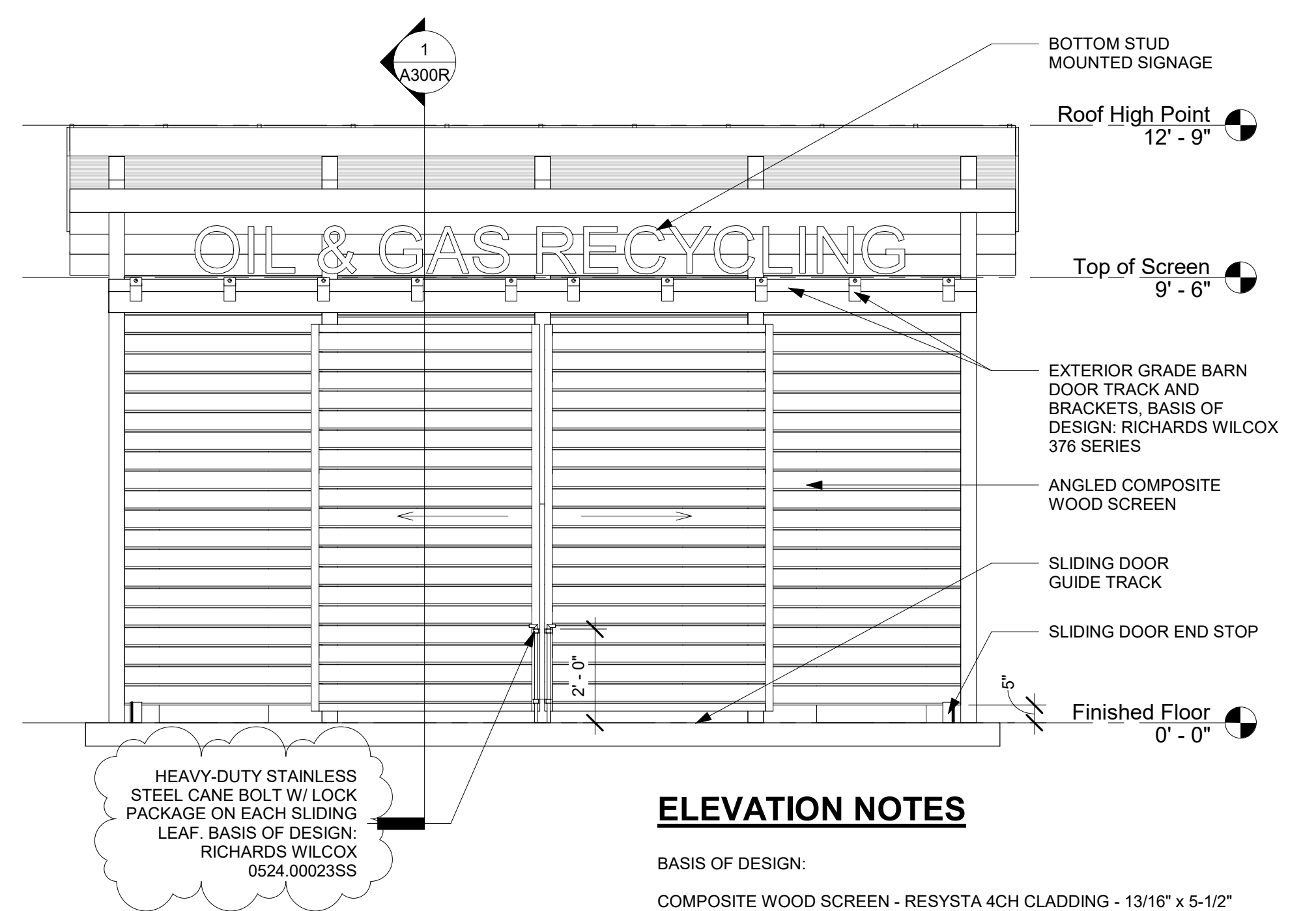
Scale

Drawing No.

Sheet

Revision

A101R 4



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

[illegible]

Seal



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 or use for any purpose other than that authorized by Stantec is forbidden.

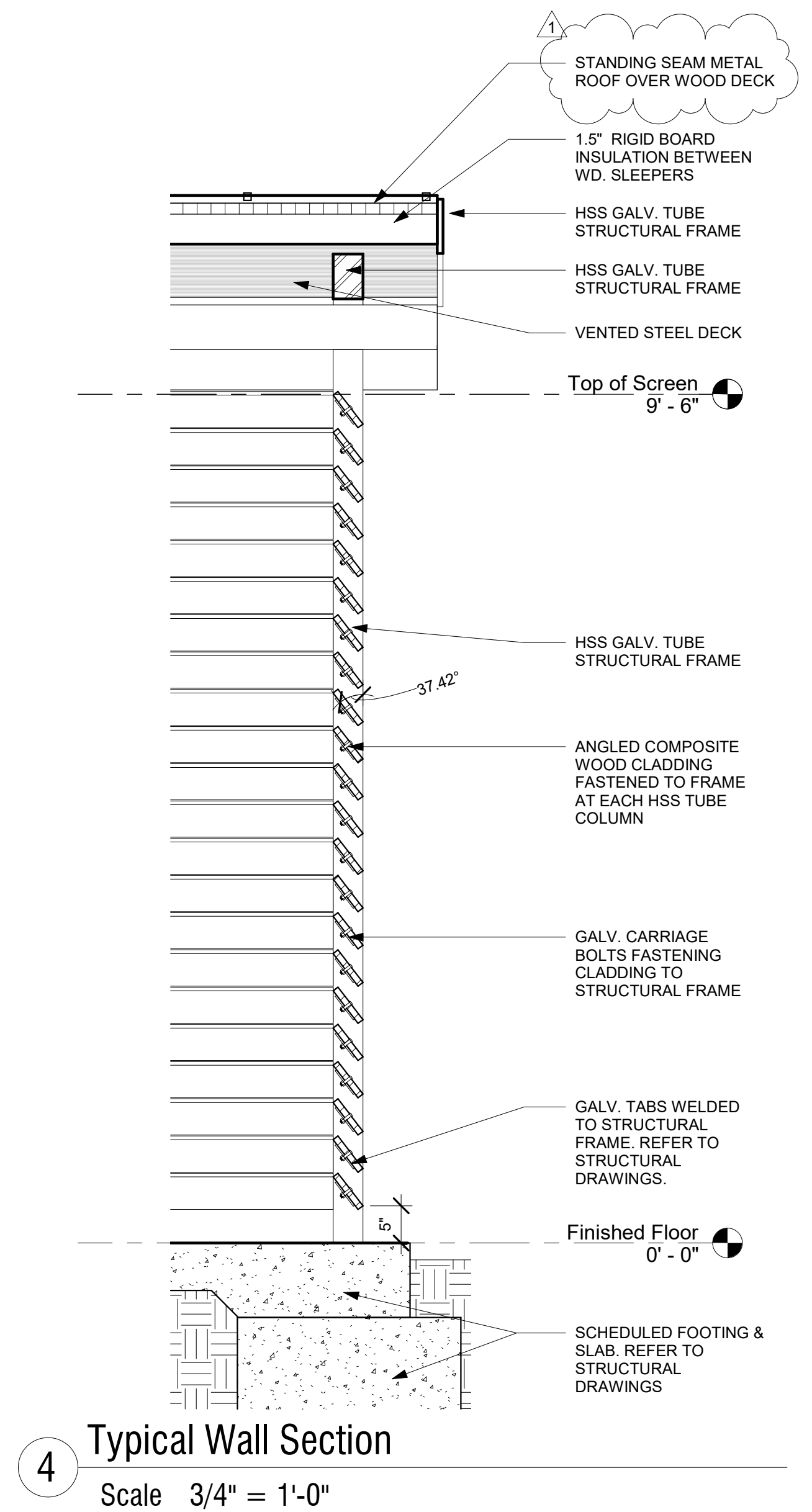
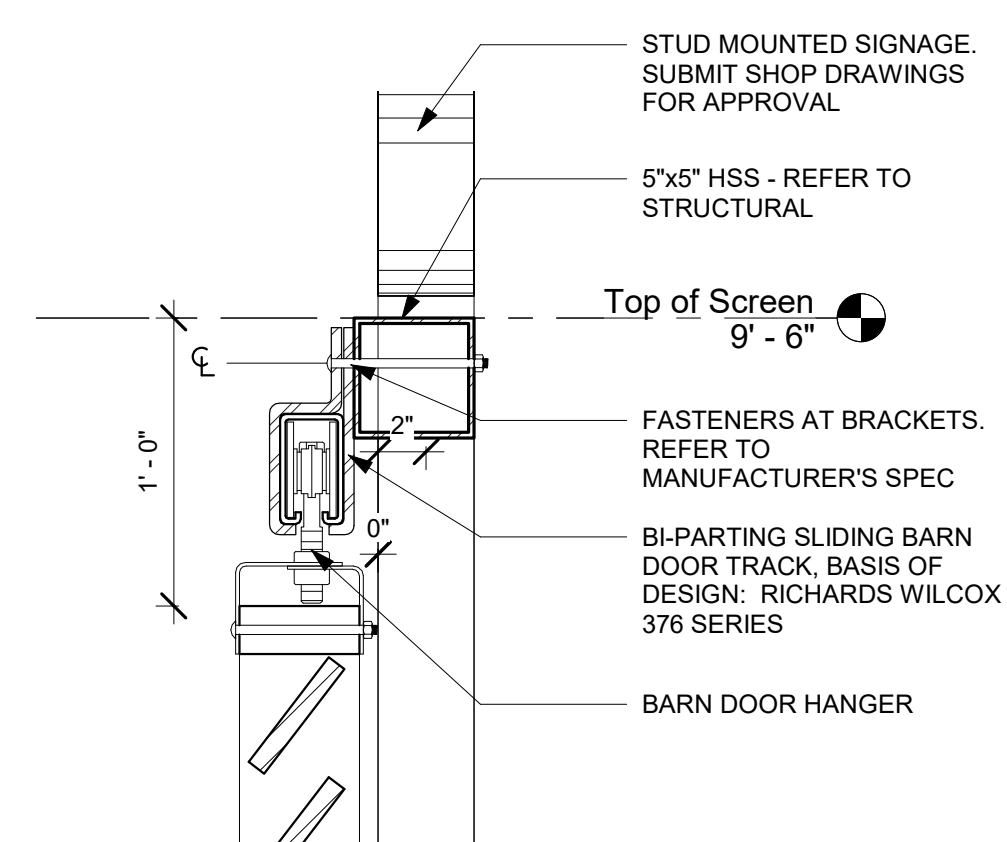
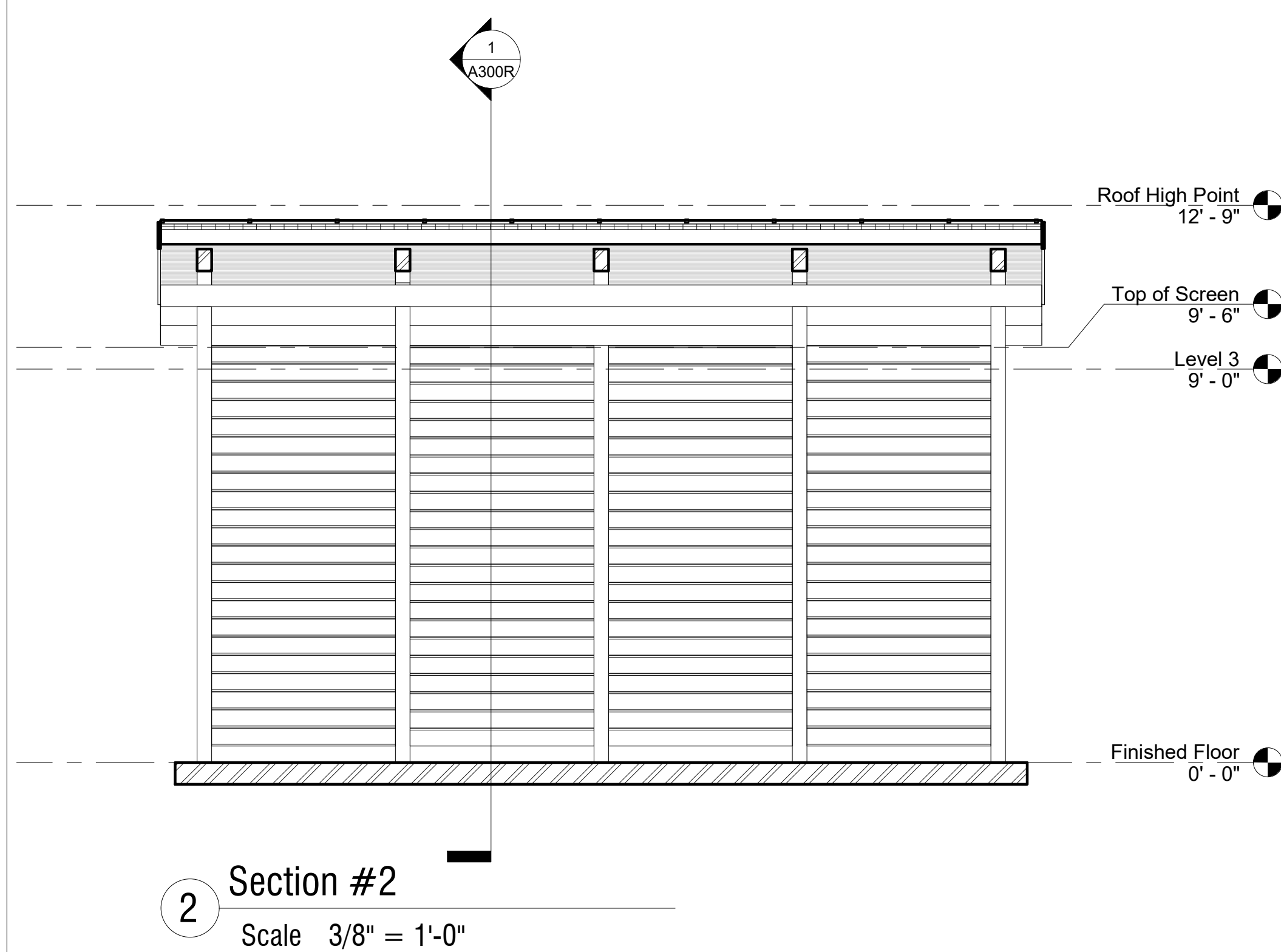
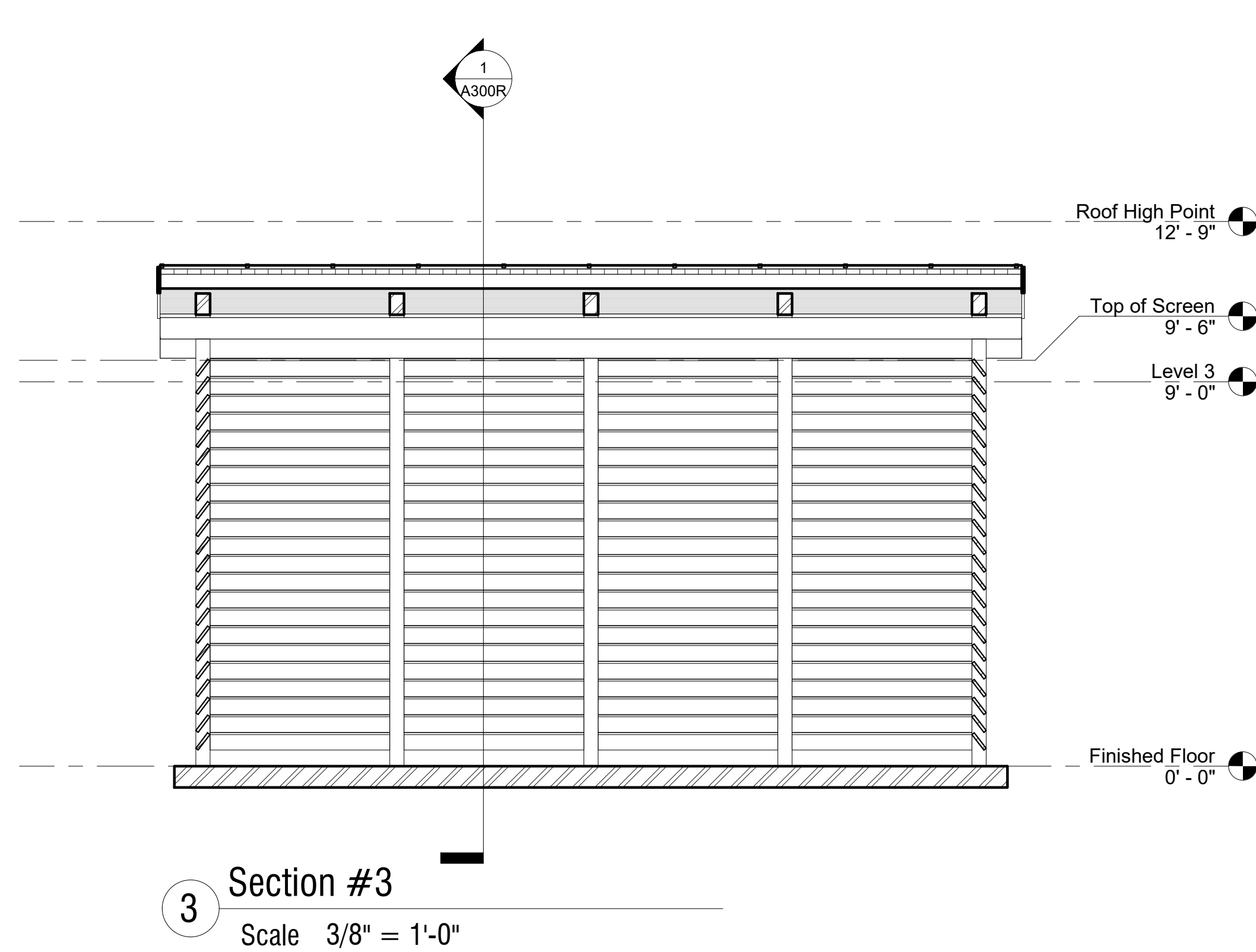
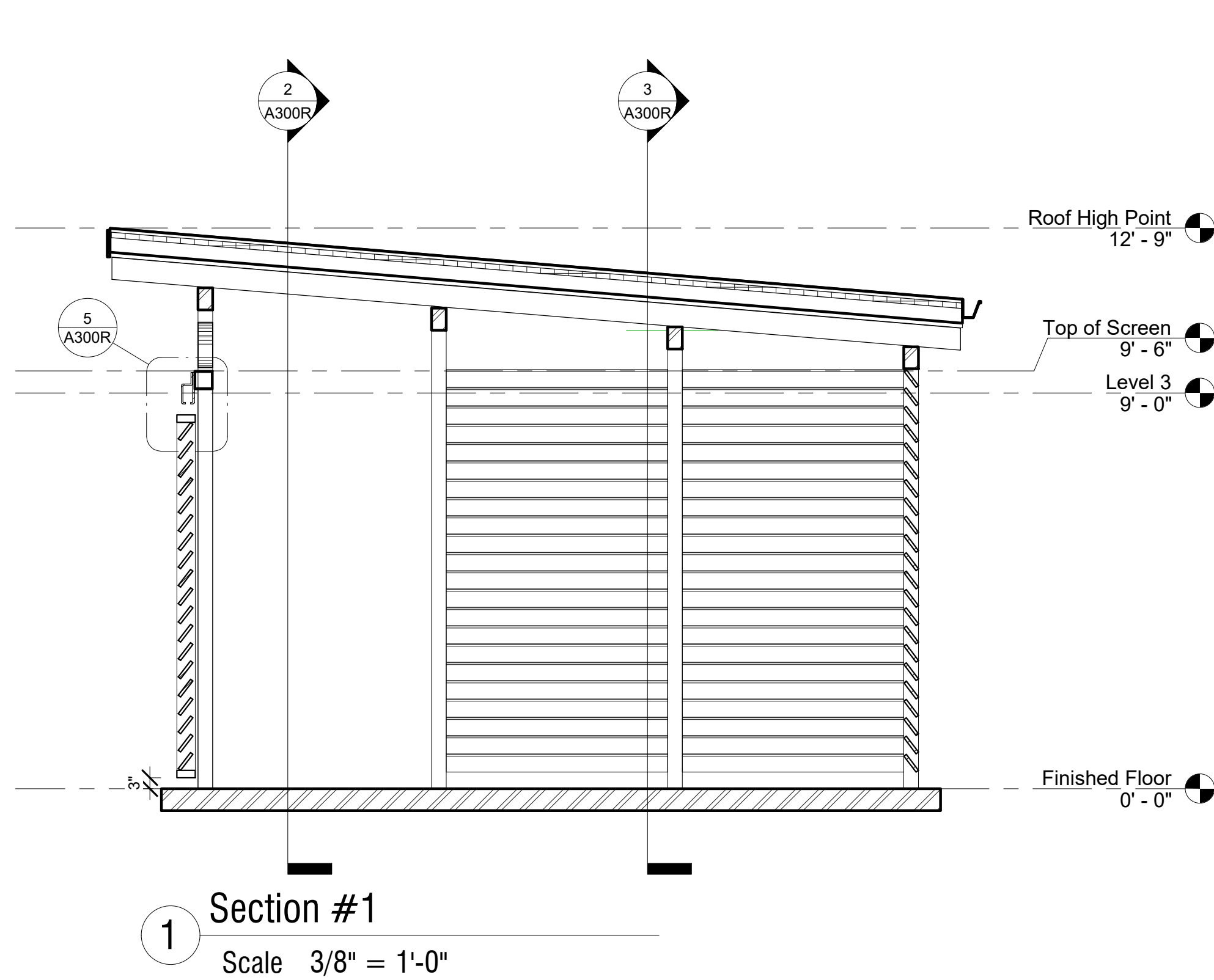
Client/Project
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:				2020/03/03
	Dwn	Chkd	Dson	YY-MM-DD

Title
EXTERIOR ELEVATIONS - ROCKLAND

Project No.	Scale
215614441	

Drawing No.	Sheet	Revision
	A200R	4



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

Issued	By _____	Appd. _____	YY.MM.DD ____

Seal

Consultants



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 or use for any purpose other than that authorized by Stantec is forbidden.

Client/Project

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:

2020/03/03
YY.MM.DD

Title

SECTIONS AND DETAILS - ROCKLAND

Project No.
215614441

Drawing No.

Scale

Sheet
A300R 4

Revision

\\dwg-sv-601\dwg\1-Project\19113 - Key West Transfer Stations\Drawings\Structural\Originals\19113_S100_GENERAL_NOTES.dwg
2027/02/18 4:03 PM By: Roberto Abad

GENERAL STRUCTURAL NOTES

1. **CODES:**
- A. ALL WORK SHALL CONFORM TO THE FLORIDA BUILDING CODE, 2020 EDITION AND ALL OTHER APPLICABLE LOCAL CODES.
 - 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 [RISK 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.
 - b. 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.
 - 3. DESIGN STANDARD:
 - a. ASCE 24 (WITH MODIFICATIONS INDICATED IN FBC 1612.4.1).
 - 4. FLOOD DESIGN APPROACH:
 - a. AE FLOOD ZONES:
1. 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 PERMITTING AUTHORITY.
 - 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.
 - B. 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 WORK.

- C. EXCAVATIONS:
- 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.
 - 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.
 - F. 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 E98 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	ABBREVIATION	DESCRIPTION
#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)
BTWN.	BETWEEN	OPP. HAND	OPPOSITE HAND
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 REINFORCEMENT
CORR.	CORRUGATED	REQD.	REQUIRED
CTR.	CENTER	REV.	REVISION
db	BAR DIAMETER	RTU.	ROOF TOP UNIT
DIA.	DIAMETER	SCHED.	SCHEDULE
DWG.	DRAWING	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	STIRUP	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
EXIST.	EXISTING	T.O.B	TOP OF BEAM
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
H.P.	HIGH POINT	WT.	WEIGHT
HORIZ.	HORIZONTAL	W.W.F	WELDED WIRE FABRIC

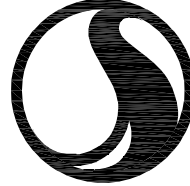
STRUCTURAL DRAWING INDEX	
SHEET #	SHEET TITLE
S100	GENERAL STRUCTURAL NOTES, ABBREVIATION LEGEND & STRUCTURAL DRAWING INDEX
S101	CONT. GENERAL STRUCTURAL NOTES, SCHEDULES AND TYPICAL DETAILS
S200	FOUNDATION, GROUND FLOOR AND ROOF FRAMING PLAN
S300	SECTIONS AND DETAILS
S301	SECTIONS AND DETAILS
S400	DESIGN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

Seal

Consultants

STRUCTURAL ENGINEERS
5040 NW 7th Street, Suite 820
Miami, Florida 33126
PH. 305 461-3460
inbox@douglaswood.biz
www.douglaswood.biz

DOUGLAS WOOD
ASSOCIATES, INC.



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

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 or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS

CITY OF KEY WEST

KEY WEST, FLORIDA

File Name:

RB

Dwn.

HG

Chkd.

HG

Dsgn.

02/18/21

YY.MM.DD

GENERAL STRUCTURAL NOTES, ABBREVIATION
LEGEND AND STRUCTURAL DRAWING INDEX

Project No.

Scale

19113

AS SHOWN

Drawing No.

Sheet

Revision

S100

1

of

7

\\dwo-svr-fs01\data\1-Project\19113 - Key West Transfer Stations\Drawings\Structural\Originals\19113_S101 GENERAL NOTES, SCHED & DETAILS.dwg
2021/02/18 4:02 PM Ev: Roberto Abad

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

- 17. STRUCTURAL STEEL:**
- A. MATERIALS:
 - 1. STRUCTURAL TUBING: ASTM A500, GRADE B
 - 2. ALL OTHER STRUCTURAL STEEL: ASTM A36 (U.O.N.)
 - 3. THREADED RODS: ASTM A36
 - 4. BOLTS: ASTM A325-09 (GALVANIZED)
 - 5. 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 AND FOR THE WELD TYPES, SIZES AND ORIENTATIONS INDICATED IN THESE DRAWINGS. SUBMIT WELDER 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 PROTECTED 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.

A. MATERIALS:

1. STRUCTURAL TUBING: ASTM A500, GRADE B
2. ALL OTHER STRUCTURAL STEEL: ASTM A36 (U.O.N.)
3. THREADED RODS: ASTM A36
4. BOLTS: ASTM A325-09 (GALVANIZED)
5. 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 AND FOR THE WELD TYPES, SIZES AND ORIENTATIONS INDICATED IN THESE DRAWINGS. SUBMIT WELDER 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 A563. 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 2" AROUND THE ENTIRE FIBER 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.

-
- Diagram illustrating the dimensions of three common nail types:
- 16d COMMON NAIL:**
 - Length: $3\frac{1}{2}"$
 - Head Diameter: $0.334"$
 - Shank Diameter: $0.162"$
 - 10d COMMON NAIL:**
 - Length: $3"$
 - Head Diameter: $0.312"$
 - Shank Diameter: $0.148"$
 - 8d COMMON NAIL:**
 - Length: $2\frac{1}{2}"$
 - Head Diameter: $0.281"$
 - Shank Diameter: $0.131"$
- UNLESS OTHERWISE NOTED, ALL NAILS SHALL BE GALVANIZED "COMMON" NAILS WITH THE DIMENSIONS INDICATED ABOVE
- DIMENSIONS OF "COMMON" NAILS**

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 THE ENGINEER.

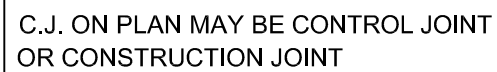
A. FASTENERS AND ANCHORS SHALL BE OF THE TYPE AND SIZE INDICATED IN THESE DRAWINGS. USE THE SPECIFIC MANUFACTURER AND MODEL WHERE INDICATED. STRICTLY FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

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 THE ENGINEER.

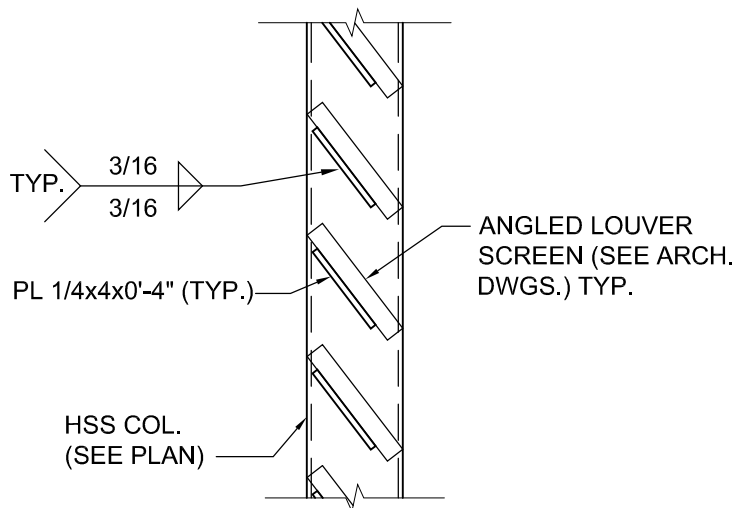
FOOTING NOTES:
1. AT ALL FOOTING CORNERS AND INTERSECTIONS, PROVIDE L-SHAPED CORNER BARS (T&B) WITH 30-INCH LONG LEGS TO MATCH FOOTING REINFORCEMENT.

fc' = 5000 PSI	#6 & SMALLER		#7 & LARGER	
	TOP BARS (2)	OTHER BARS	TOP BARS (2)	OTHER BARS
DEVELOPMENT LENGTH & CLASS "A" SPLICE LENGTH	45 db	34 db	55 db	43 db
CLASS "B" SPLICE LENGTH	58 db	45 db	72 db	55 db

1. "db" DENOTES BAR DIAMETER.
2. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12 IN. OF CONCRETE CAST IN THE MEMBER BELOW THE SPLICE.
3. ALL SPLICES SHALL BE CLASS "B" SPLICE U.O.N.
4. DEVELOPMENT AND LAP SPLICE LENGTHS SHOWN IN SCHEDULE ABOVE ARE BASED ON CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN d_b , CLEAR COVER NOT LESS THAN d_b , 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 $2d_b$ AND CLEAR COVER NOT LESS THAN d_b . FOR OTHER CASES, INCREASE LENGTHS GIVEN IN SCHEDULE ABOVE BY 50%.



N.T.S.


$$1\text{-}1/2'' = 1'\text{-}0''$$

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

Project No.	Scale	
19113	AS SHOWN	
Drawing No.	Sheet	Revision
S101	2 of 7	

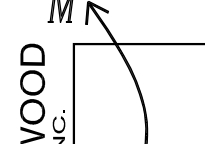
[illegible]

Seal

DOUGLAS WOOD, P.E.
FL P.E. #32092

Consultants

STRUCTURAL ENGINEERS
5040 NW 7th Street, Suite 820
Miami, Florida 33126
PH. 305 461-3450
inbox@douglaswood.biz
www.douglaswood.biz



DOUGLAS WOOD
ASSOCIATES, INC.



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

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.

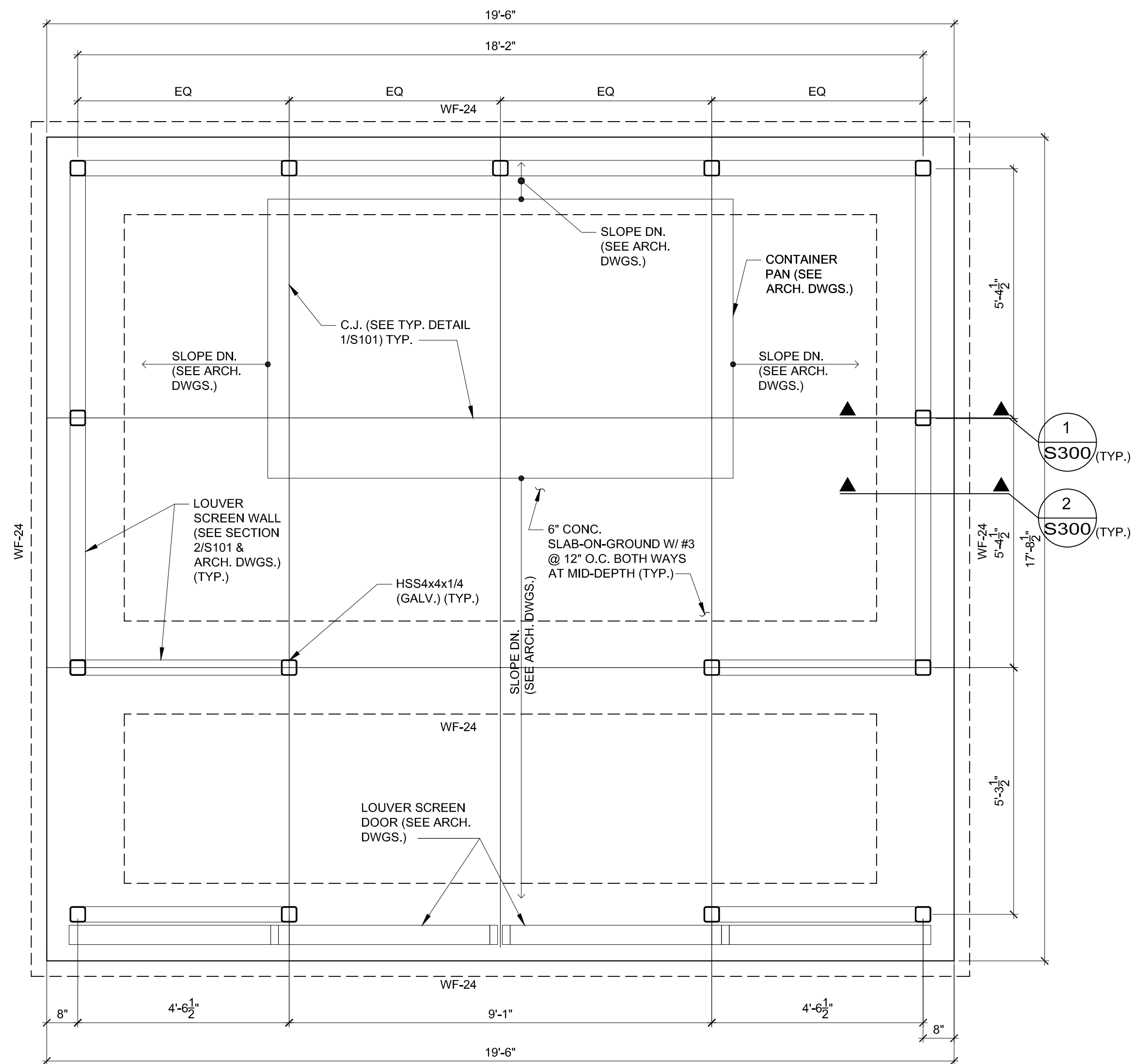
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

File Name:	RB	HG	HG	02/18/21
	Dwn.	Chkd.	Dagn.	YY.MM.DD

CONT. GENERAL STRUCTURAL NOTES, SCHEDULES AND TYPICAL DETAILS		
Project No.	Scale	
19113	AS SHOWN	
Drawing No.	Sheet	Revision
S101	2 of 7	

\\wgs-svr-601\data\1-Project\19113 - Key West Transfer Station\Structural\Drawings\19113_S200_GROUND AND ROOF PLANS.dwg
02/17/22 10:41:18 PM By: Roberto Abad

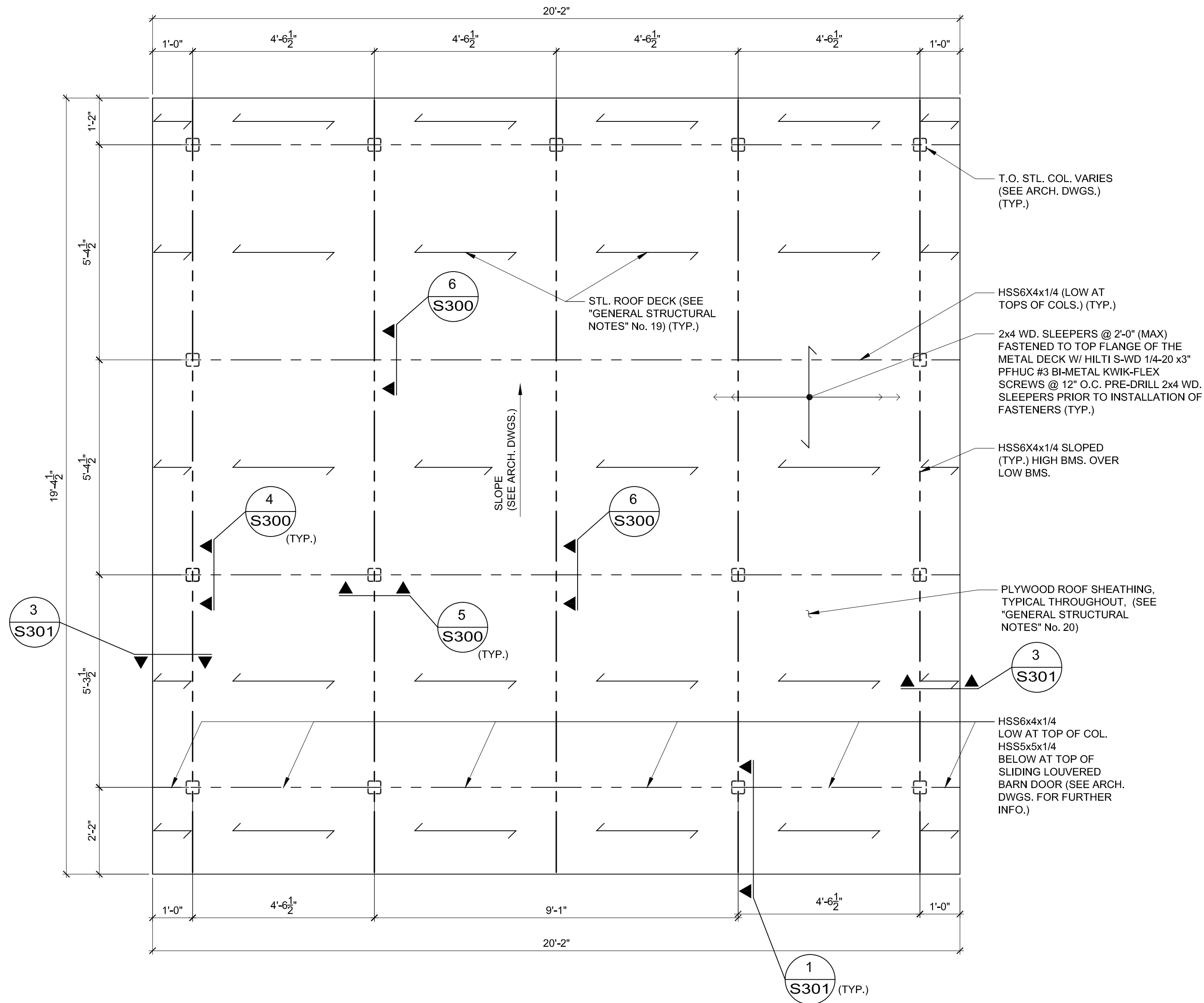


USE CURING AND SEALING COMPOUND (ASTM C-3309)
CHEMMASTER SILENCURE (OR APPROVED EQUAL BY ENGINEER).

TOP OF FOOTINGS AT 6" BELOW LOWEST
ADJACENT GRADE (SEE CIVIL DWGS.)

FOUNDATION AND GROUND FLOOR PLAN

1/2" = 1'-0"



ROOF FRAMING PLAN

1/2" = 1'-0"

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

Seal

Consultants

STRUCTURAL ENGINEERS
5040 NW 7th Street, Suite 820
Miami, Florida 33126
PH. 305 461-3460
inbox@douglaswood.biz
www.douglaswood.biz

DOUGLAS WOOD, P.E.
FL P.E. #32092

DOUGLAS WOOD
ASSOCIATES, INC.

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

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 or use for any purpose other than that authorized by Stantec is forbidden.

WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

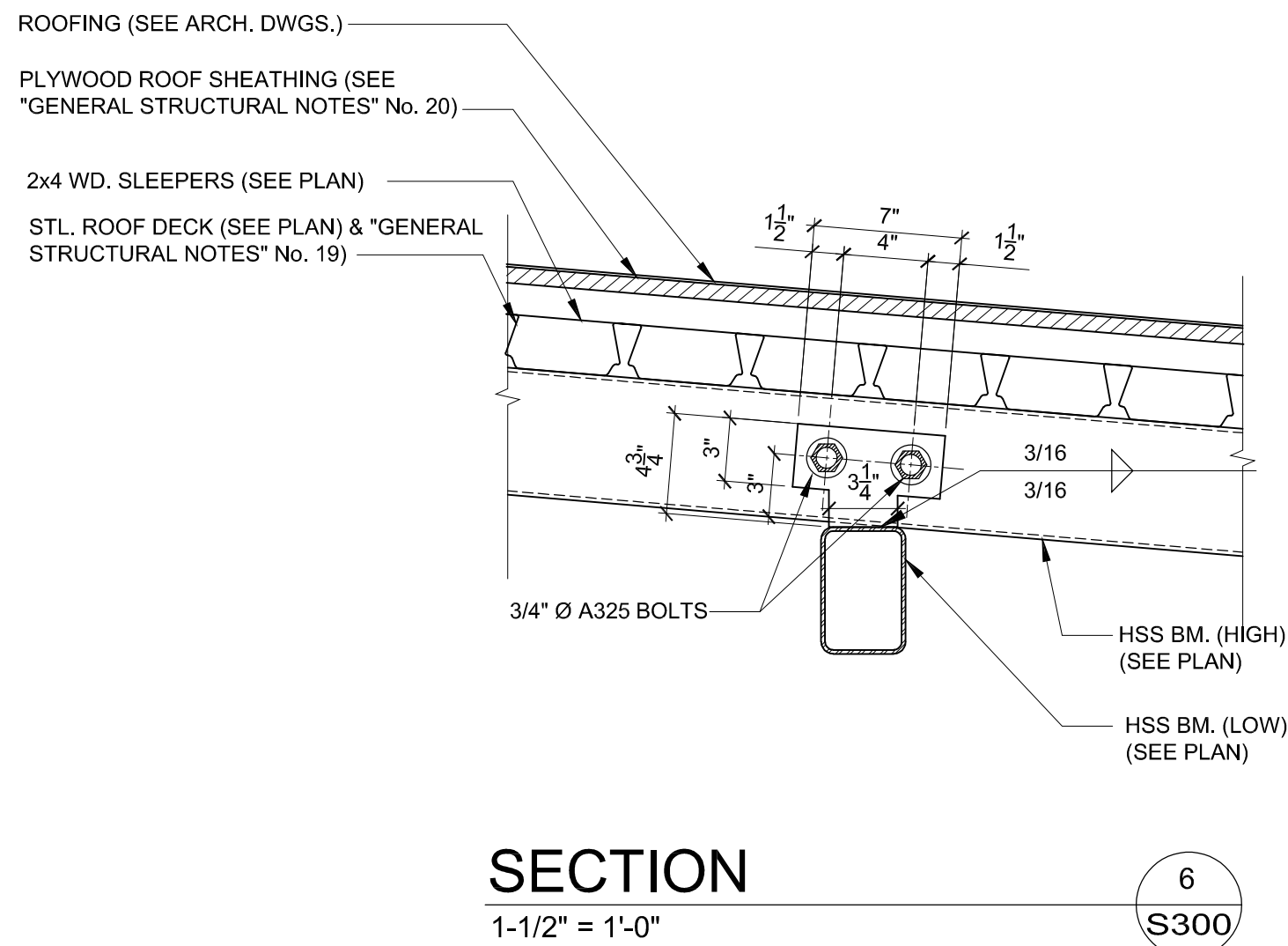
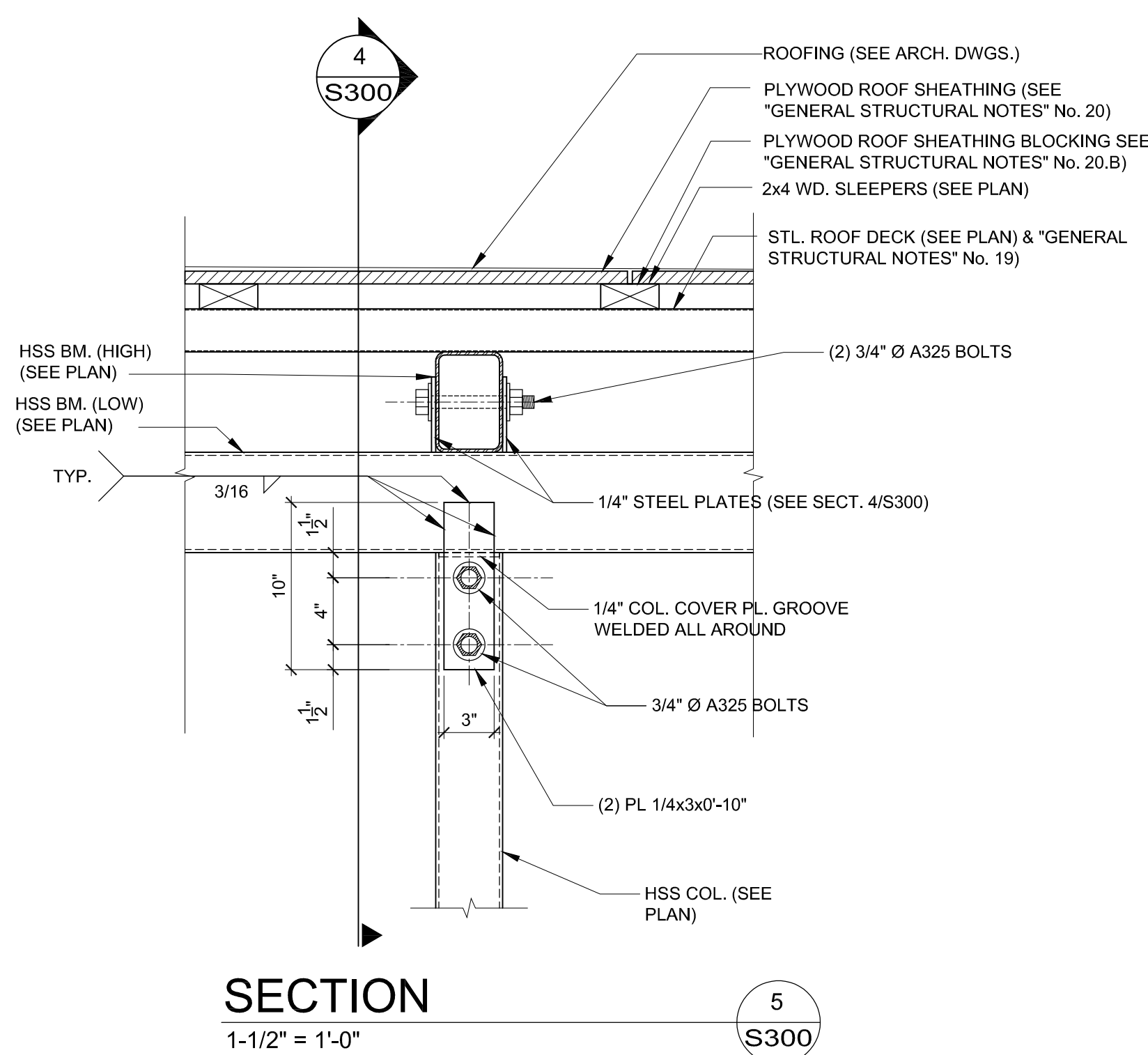
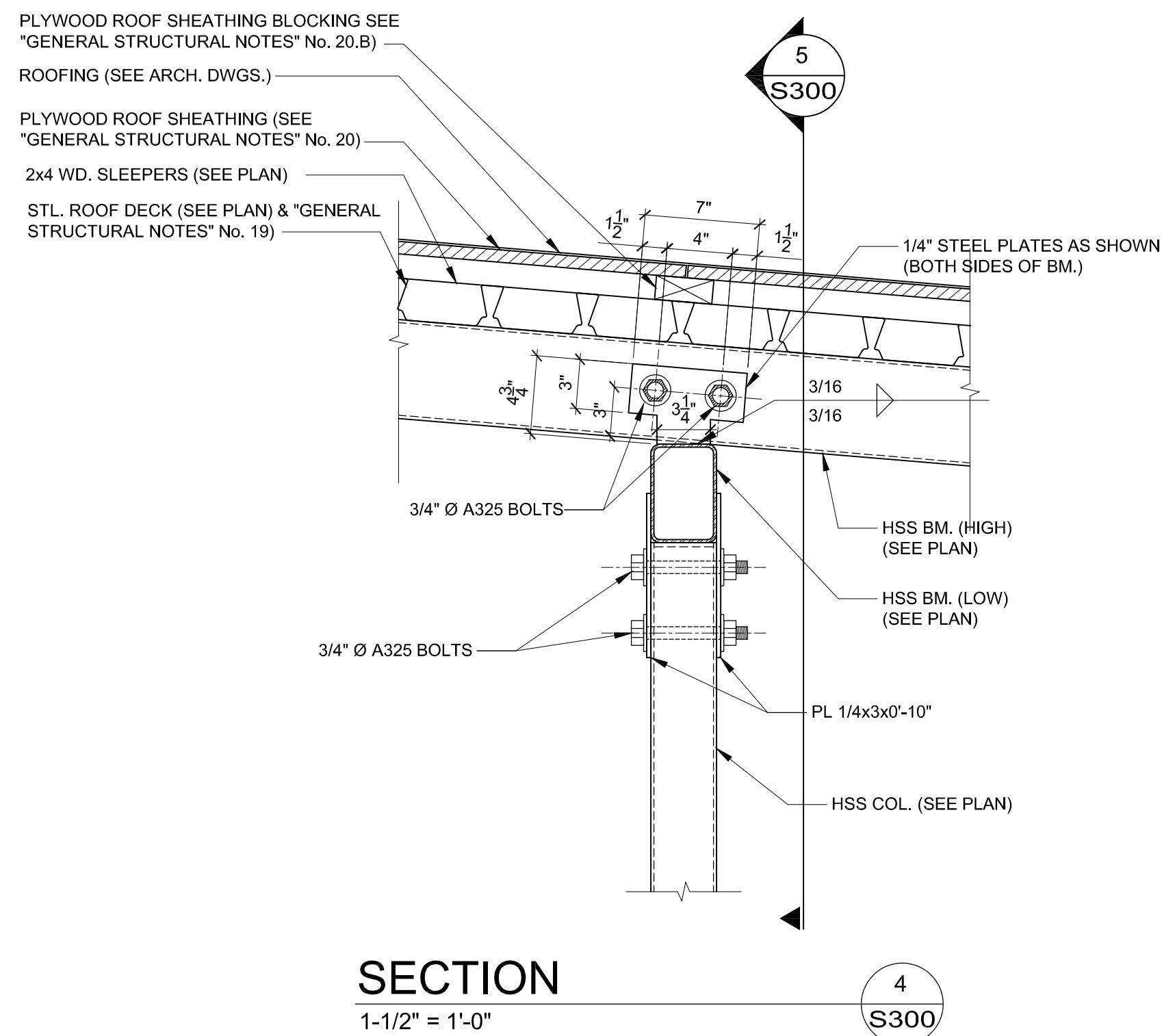
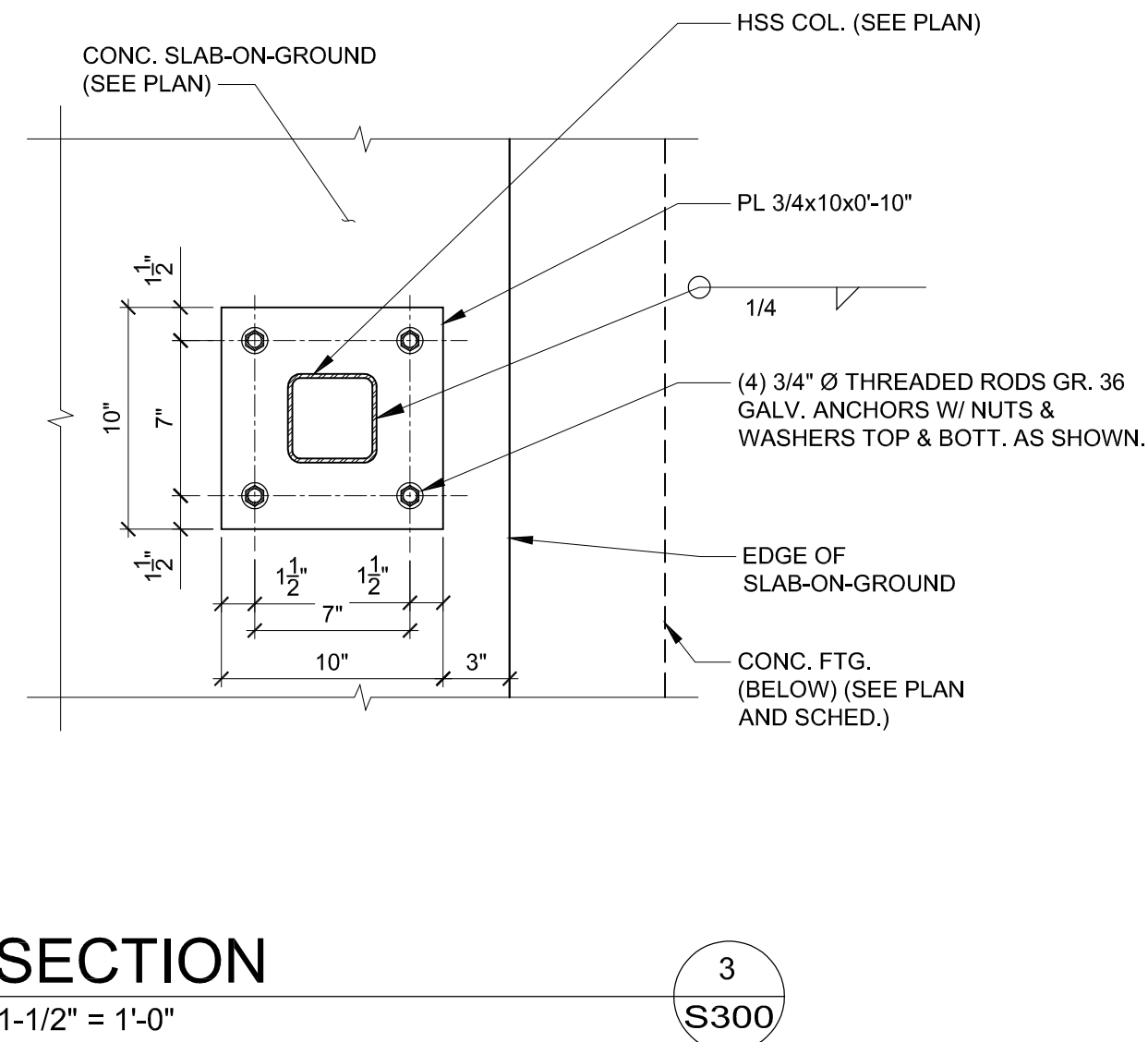
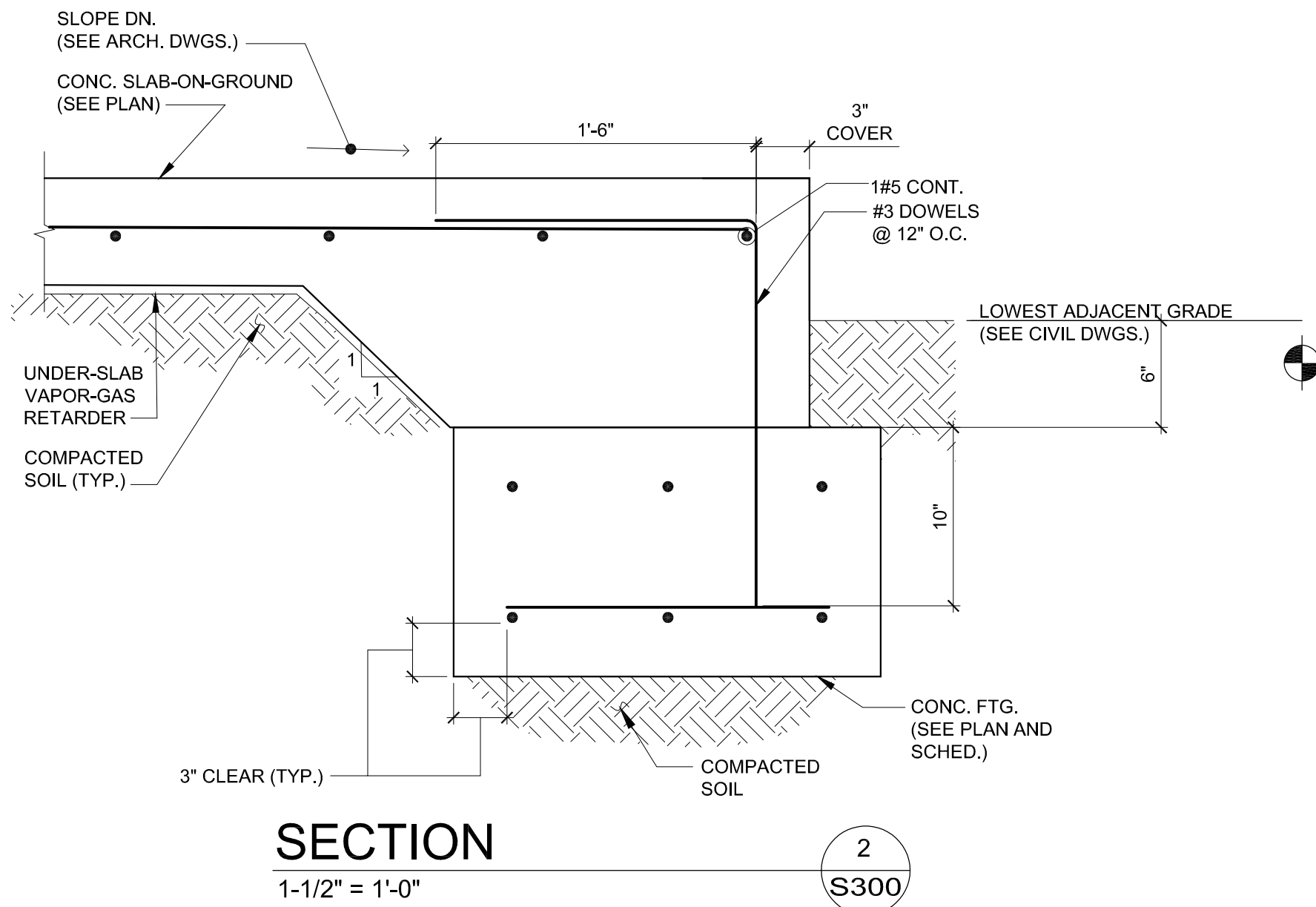
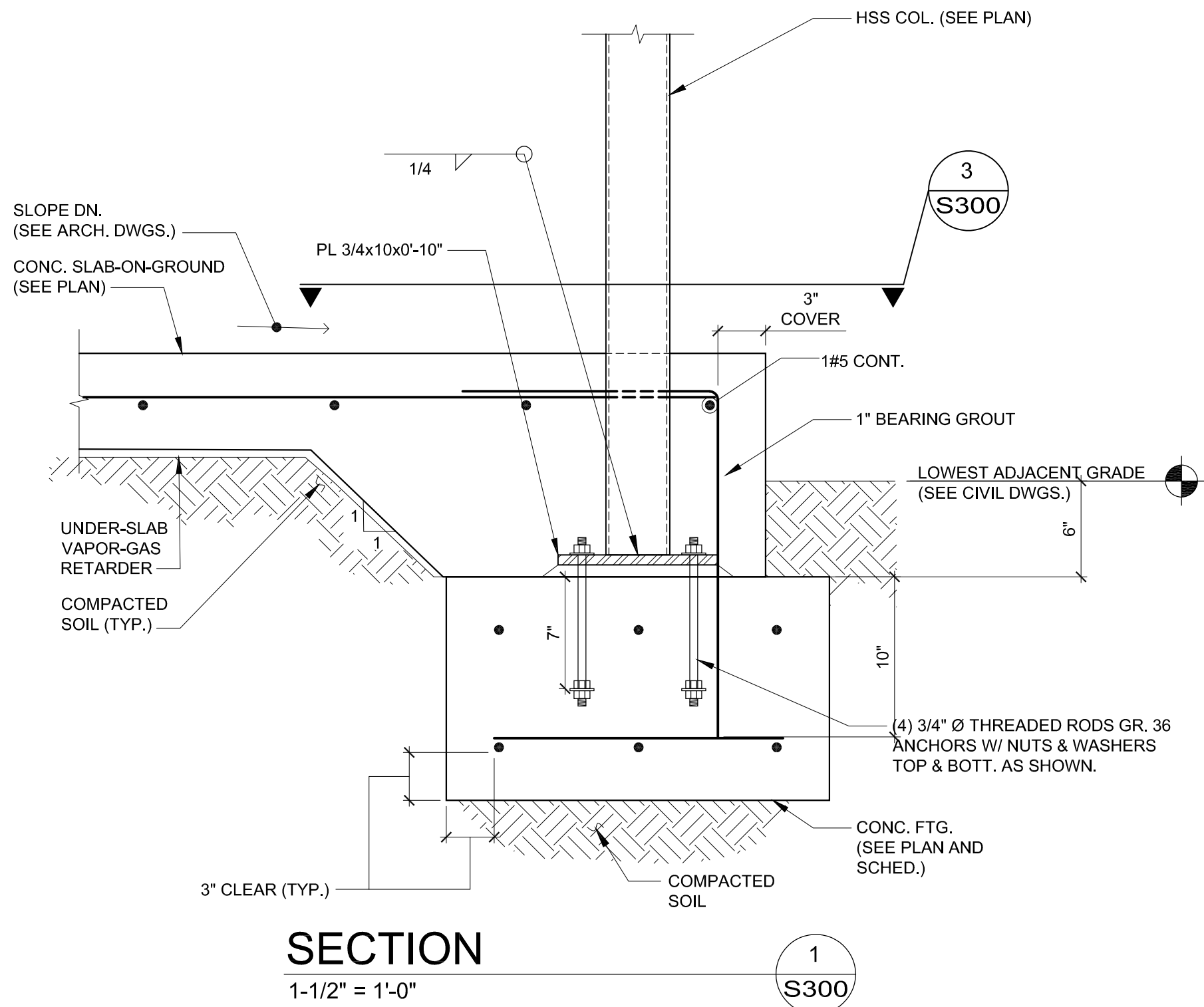
File Name: RB HG HG 02/18/21
Dwn. Chkd. Dsgn. YY.MM.DD

FOUNDATION, GROUND
AND ROOF PLANS

Project No. 19113 Scale AS SHOWN

Drawing No. S200 Sheet 3 of 7 Revision

\\dwg-sv-601\data\1-Project\19113 - Key West Transfer Station\Drawings\Structural\Originals\19113_S300 SECTIONS AND DETAILS-.dwg
202/7/22/18 4:18 PM By: Roberto Abad



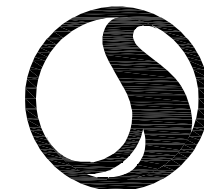
NOTE:
ALL STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION (SEE "GENERAL STRUCTURAL NOTES" No. 17. E.)

Seal

Consultants

STRUCTURAL ENGINEERS
5040 NW 7th Street, Suite 820
Miami, Florida 33126
PH. 305 461-3450
inbox@douglaswood.biz
www.douglaswood.biz

DOUGLAS WOOD, P.E.
FL P.E. #32092



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

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 or use for any purpose other than that authorized by Stantec is forbidden.

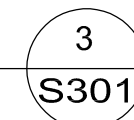
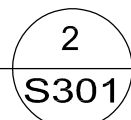
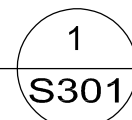
WASTE TRANSFER STATIONS
CITY OF KEY WEST
KEY WEST, FLORIDA

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

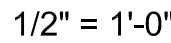
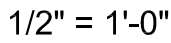
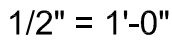
SECTIONS AND DETAILS

Project No. 19113 Scale AS SHOWN

Drawing No. S300 Sheet 4 of 7 Revision



SECTIONS AND DETAILS		
Project No.	Scale	
19113	AS SHOWN	
Drawing No.	Sheet	Revision
S301	5 of 7	



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 $K_d = 0.85$; EXPOSURE D; INTERNAL PRESSURE COEFFICIENTS ± 0.18]. BOTH ULTIMATE PRESSURES AND ALLOWABLE PRESSURES (0.65 x P_{Ult}) ARE INDICATED ON ELEVATIONS AND SCHEDULE ABOVE.