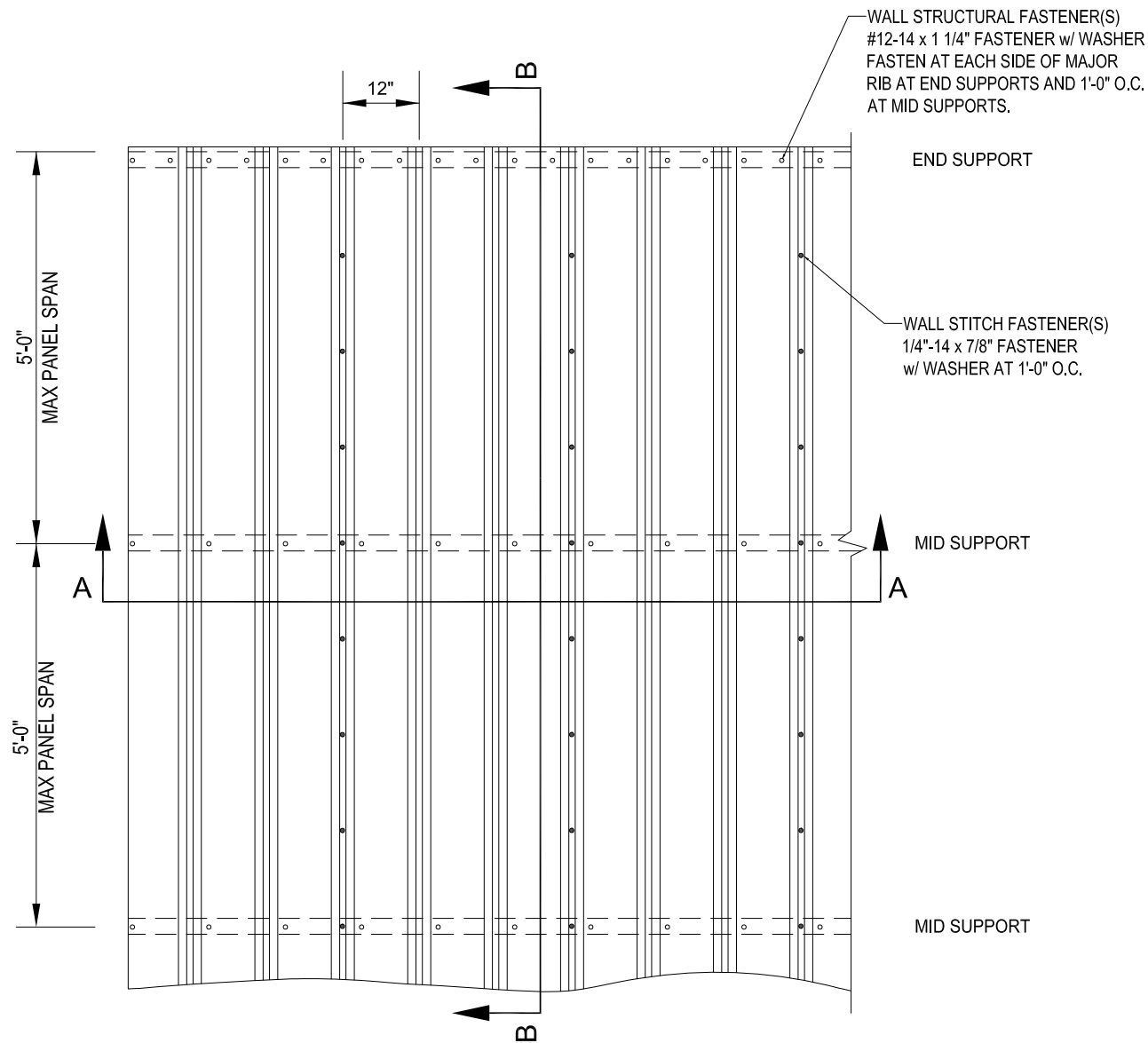


SECTION A-A



TYPICAL EXTERIOR WALL ELEVATION

GENERAL NOTES:

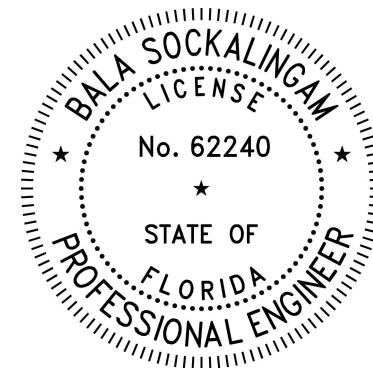
- THIS STRUCTURAL WALL PANEL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH HVHZ 2023 FLORIDA BUILDING CODE (FBC). THE DESIGN PRESSURES AS DETERMINED FROM SECTION 1620 AND ASCE 7-22 MUST BE MULTIPLIED BY 0.6.
- WALL PANELS ARE FABRICATED FROM A MAX. 42.75" WIDE COIL & SHALL BE 24 GA. (t = 0.0240" MIN.) ASTM 792 GR 80 STEEL WITH Fy = 109.7 KSI (MIN) WITH A SILICONIZED MODIFIED POLYESTER (SMP) OR PVDF COATING APPLIED. EFFECTIVE COVERING WIDTH OF PANEL = MAX. 36".
- THE WALL PANELS SHALL BE INSTALLED OVER WALL STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
- HORIZONTAL SEAMS MAY BE PRESENT AT CENTERLINE OF SUPPORTING GIRTS PROVIDED THE SEAMS ARE FLASHED AND PROPERLY SEALED PER NUCOR SPECIFICATIONS AND EACH PANEL END IS SECURED PER THESE DRAWINGS.
- REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT.
- THIS WALL PANEL SYSTEM HAS BEEN TESTED AS AN IMPACT SYSTEM IN ACCORDANCE WITH PROTOCOLS TAS-201, 202 & 203.
- ALL SCREWS SHALL BE CORROSION RESISTANT SCREWS.
- THE SUPPORTING STRUCTURE, OVER WHICH THE PANELS ARE TO BE INSTALLED, MUST BE MINIMUM 16 GAGE (0.060") STEEL WITH MIN. Fy = 50 KSI.
- MAXIMUM POSITIVE AND NEGATIVE DESIGN LOADS FOR 24 GA. R-PANEL IN THE WALL FIELD AND CORNER ZONES SHALL BE THE LOWEST PRESSURE CALCULATED BASED ON THE PANEL ALLOWABLES. MAXIMUM ALLOWABLE DEFLECTION LIMIT = L/240.

M (SUPPORT) (lb.ft/ft)	156.3
M (SPAN) (lb.ft/ft)	87.9
REACTION (lb/ft)	253.3
EI (lb.in2/ft)	1504597

PRODUCT APPROVAL IS LIMITED TO THE WALL PANEL & ITS CONNECTING FASTENERS. THE STRUCTURAL ADEQUACY OF ALL OTHER STRUCTURAL ITEMS (BEAMS, COLUMNS, GIRTS, FACIA SUPPORTS, CONNECTIONS OF STRUCTURE, ETC. SHALL BE VERIFIED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. THE METAL WALL PANELS SHALL NOT BE DESIGNED TO ACT AS A DIAPHRAGM.

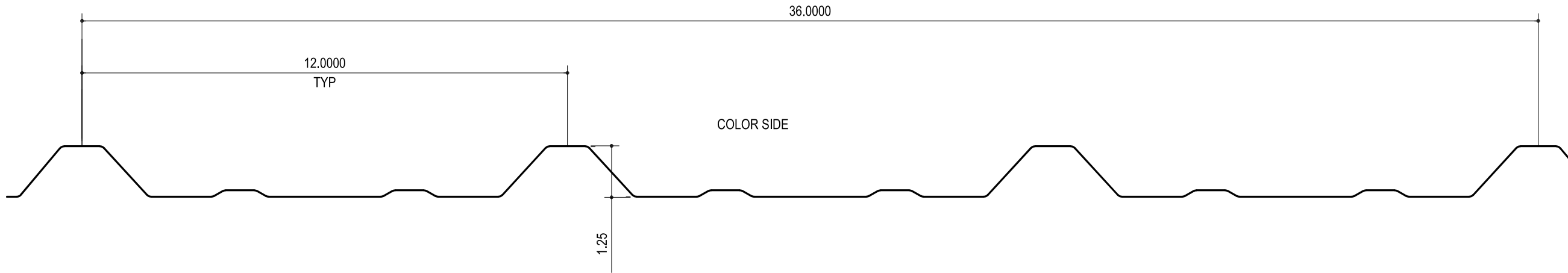
This item has been digitally signed and sealed by Bala Sockalingam, PE, on the date indicated.

Printed copies of this document are not considered signed and sealed and this signature must be verified on any electronic copies.

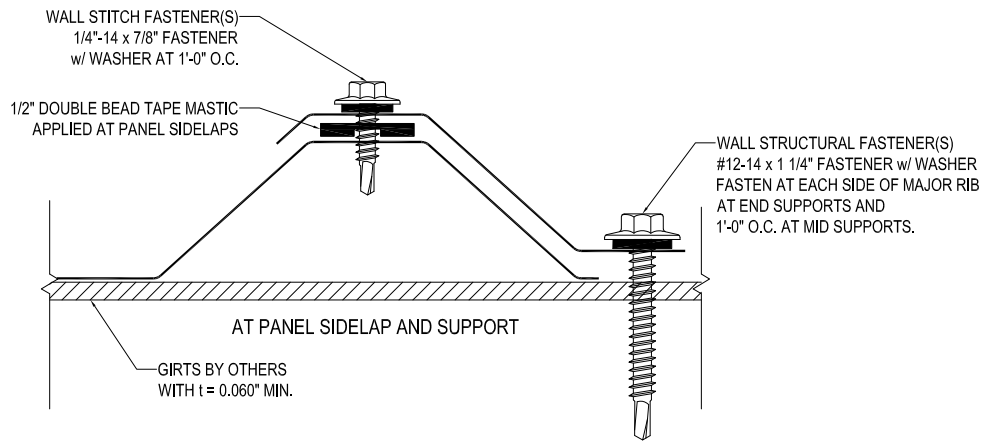
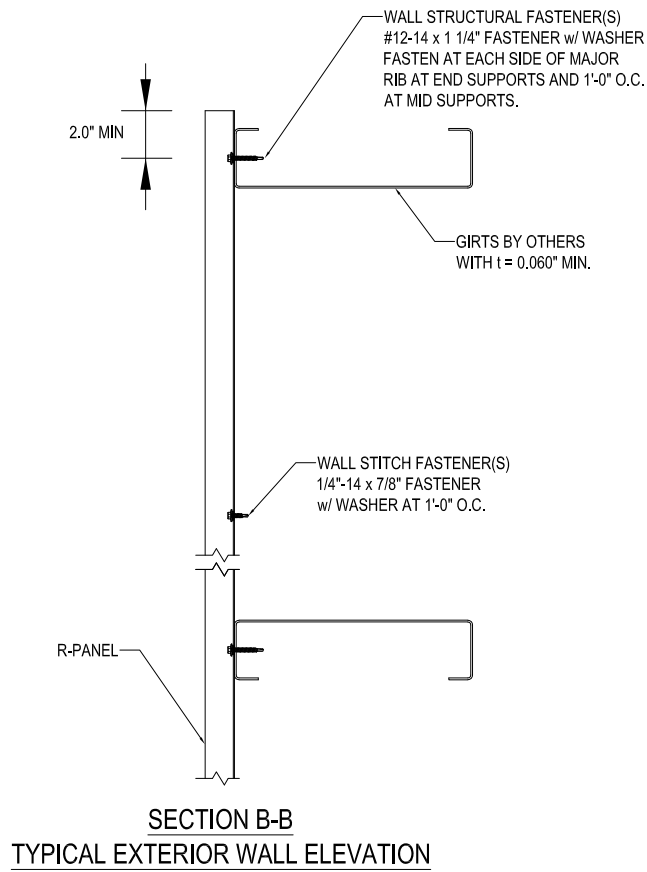


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NO.		REVISION		MADE		CK'D.		DATE	
R-PANEL WALL									
ENGINEER'S NAME: BALA SOCKALINGAM Ph.D., P.E.									
ENGINEER'S STATE REGISTRATION NUMBER: FL 62240									
200 WHETSTONE RD. SWANSEA, SC 29160 PHONE: (803) 568-2100 FAX: (803) 568-2121									
AMERICAN BUILDINGS									
DRAWING #: D2889-10 Pg. 1 of 2									
REVISION NUMBER 0									



TYPICAL PANEL CROSS-SECTION
24 GA. ALUMINUM/ZINC COATED STEEL WITH PAINTED FINISH



SECTION C-C
PANEL SIDELAP

NO.	REVISION	MADE	CK'D.	DATE

R-PANEL WALL

ENGINEER'S SEAL:

BALA SOCKALINGAM
Ph.D., P.E.

ENGINEER'S STATE REGISTRATION NUMBER:

FL 62240

200 WHETSTONE RD. SWANSEA, SC
29160 PHONE: (803) 568-2100 FAX:
(803) 568-2121

AMERICAN
BUILDINGS

DRAWING #: D2889-10 Pg. 2 of 2

REVISION NUMBER
0