

STRUCTURAL LIGHT GAGE STEEL FRAMING

- STEEL SHEET: ASTM A653, STRUCTURAL STEEL, ZINC COATED OF COATING AS FOLLOWS:
 - G. FRAMING:
 - GRADE 33 OR 50, CLASS 1 OR 2
 - COATING G60 MINIMUM
 - H. CONNECTORS:
 - GRADE: 50, CLASS 1 OR 2
 - COATING G90
- STEEL STUDS AND TRACKS: ASTM C955
- 4" (NOMINAL) WALL: INTERIOR STEEL STUDS TO BE MINIMUM 3 5/8" 20 GA STEEL STUDS (1 5/8" FLANGE) AT 16" O/C WITH HORIZONTAL BRIDGING AT 48" O/C MAXIMUM.
- 6" (NOMINAL) WALL: INTERIOR STEEL STUDS TO BE MINIMUM 6" 20 GA STEEL STUDS (1 5/8" FLANGE) AT 16" O/C WITH HORIZONTAL BRIDGING AT 48" O/C MAXIMUM.
- COMPLY WITH AISI'S "SPECIFICATION FOR THE DESIGN FOR COLD-FORMED STEEL STRUCTURAL MEMBERS."
- ALL STEEL WORK SHALL CONFORM TO "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS – ALLOWABLE STRESS DESIGN" AND THE AISC CODE OF STANDARD PRACTICE.
- CONNECTION BOLTS SHALL BE 3/4" DIAMETER ASTM A325 BOLTS WITH PROPER HARDENED WASHERS AND HEX NUTS. ALL BOLTS SHALL BE TIGHTENED WITH A PRE-TENSION LOAD OF 28,000 POUNDS MINIMUM TENSION. INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 AND A490 BOLTS". INSTALL A SUITABLE HARDENED WASHER UNDER THE HEAD OR NUT. WHICHEVER IS USED AS THE TURNED ELEMENT FOR TIGHTENING AND OVER ALL EXPOSED SLOTTED OR OVERSIZED HOLES. CONNECTIONS ARE BEARING TYPE WITH TREADS IN THE SHEAR PLANE.
- WELDING SHALL BE DONE BY WELDING OPERATORS CERTIFIED WITH THE WELDING EQUIPMENT BEING USED FOR WELDING THIS JOB AS QUALIFIED ACCORDING TO AWS D1.
- ALL COPEES, GUTS, BLOCKS, NOTCHES SHALL HAVE SMOOTH RE-ENTRANT CORNERS OF 1/4" MINIMUM RADIUS.
- RETURN ALL WELDS AT CORNERS A MINIMUM OF TWICE THE NORMAL SIZE OF THE WELD.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY BRACING OF STEEL FRAMING AND LOAD BEARING WALLS TO PROVIDE FOR SAFETY OF THE STRUCTURE AND WORKMEN. BRACING TO REMAIN UNTIL NO LONGER REQUIRED FOR SAFE SUPPORT OF FRAME.
- PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.

GROUT

- PROVIDE NON-SHRINK, NON-METALLIC PRE-MIXED GROUT UNDER ALL COLUMN BASE PLATES AND BEAM BEARING PLATES. GROUT SHALL HAVE A COMPRESSIVE STRENGTH OF 7,000 PSI 7 DAYS.

DESIGN LIVE LOADS (ASCE7-16)

- ROOF LIVE LOAD – 20 PSF
- GROUND SNOW – 16 PSF
- ASSUMED SOIL BEARING PRESSURE – 1500 PSF
- RETAINING WALL
 - A. MAXIMUM ALLOWABLE RETAINED HEIGHT ABOVE TOP OF FOOTING – 5'-8"
 - B. EQUIVALENT FLUID PRESSURE ON BASEMENT WALL – 65 PSF
- WIND – 140 MPH, EXPOSURE C OR D AS APPLICABLE
- SEISMIC – NOT APPLICABLE
- LATERAL FORCE DESIGN CONTROLLED BY WINDS AS PER ASCE7 – 16.

DIMENSIONS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DIMENSIONS IN THE DRAWINGS AND ADVISING THE ENGINEER OF ANY DIFFERENCES IN THE DIMENSIONS ON THE DRAWINGS PRIOR TO COMMENCING CONSTRUCTION.

EXISTING CONDITIONS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL EXISTING JOB CONDITIONS. ANY ADVERSE EXISTING CONDITIONS AFFECTING WORK SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR POSSIBLE CLARIFICATION OF RECONCILIATION.

CONSTRUCTION SAFETY

- THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



ABBREVIATIONS

ABBREVIATION	WORD OR PHRASE
ASD	ALLOWABLE STRESS DESIGN
A/C	AIR CONDITIONING
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
@	AT
CIP	CAST-IN-PLACE
C/L	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CJ or CONST. JT.	CONSTRUCTION JOINT
COND	CONDENSING UNIT
CONT	CONTINUOUS
DIA or Ø	DIAMETER
DIM	DIMENSION
DWG	DRAWING
E	EAST
EX	EXISTING
EA	EACH
EF	EACH FACE
ELEV	ELEVATION
ENG	ENGINEER
EW	EACH WAY
EJ or EXP JT	EXPANSION JOINT
FT OR '1	FEET
FF or FFE	FINISHED FLOOR or FINISHED FLOOR ELEVATION
FD	FLOOR DRAIN
FND	FOUNDATION
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GR	GRADE
HDG	HOT DIPPED GALVANIZED
IN or "	INCH
JT	JOINT
K	KIPS (1 KIP = 1000 POUNDS)
KSF	KIPS PER SQUARE FOOT
MFR	MANUFACTURER
MATL or MAT'L	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
N	NORTH
NTS	NOT TO SCALE
NO. OR #	NUMBER
O/C	ON CENTER
PE	PROFESSIONAL ENGINEER
PL	PLATE
PM&E	PLUMBING MECHANICAL AND ELECTRICAL ENGINEER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PS	PROFESSIONAL LAND SURVEYOR
REF	REFERENCE
REINF or REINF'T	REINFORCE OR REINFORCEMENT
S	SOUTH
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STIFF	STIFFENER
STR	STRUCTURAL
SYM	SYMMETRICAL
T	TOP
T&B	TOP AND BOTTOM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VEJ	VERTICAL EXPANSION JOINT
VIF	VERIFY IN FIELD
W	WEST
WWF	WELDED WIRE FABRIC
W/	WITH

DESIGN: Bobby Joyner	DATE: NOVEMBER, 2022	TRJ	CHKG:
NO. Δ	DATE:	DESCRIPTION:	BY:

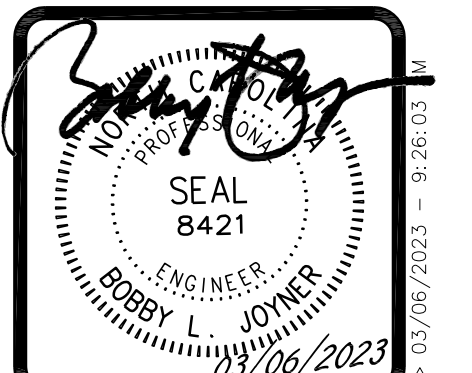


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Final Drawings
Review Purposes ONLY



**GENERAL SPECIFICATIONS For
Hyde County N.C. Flood
Mitigation Assistance Grant
5161-004**

22-089

D-0000

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