Design No. U465

Section @ Head

Nonbearing Wall Rating-1 Hr.

1. Floor and Ceiling Runners - channel shaped runners, 35% wide x 1" deep fabricated from 25 MSG galv. stl., attached to floor and Cee/Zee purlins at max. 5'-0" o.c., above with fasteners.

2. Studs - channel shaped $3\frac{5}{6}$ " wide x 1 5/16" deep w/ $\frac{3}{6}$ " folded back return. Fabricated from 25MSG galv. stl. Spaced @ 16" or 24" o.c. Length to be I" less than assembly height.

3. Batts and Blankets*- (Optional) mineral wool or glass fiber batts partially or completely filling stud cavity.

4. Gypsum Wallboard*-5%" thick, 4 ft. wide, attached to stude \$\frac{1}{2}\text{runners w/ Type \$\frac{1}{2}\text{self-drilling, self-tapping stl. screws, 1" long spaced max. 8" o.c. along edges of boards and max. 12" o.c. in field of boards. Joints oriented vertically and staggered on opposite sides of the assembly.

Canadian Gypsum Co. Ltd-Types C, SCX, SHX, WRC or WRX.
U.S. Gypsum Co.-Types C, FCV, IPX2, SCX, SHC, SHX, WRC or WRX.

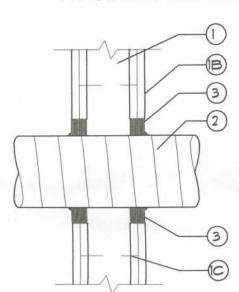
5. Joint Tape and Compound - Vinyl, dry or premixed joint compound applied in two coats to joints and screwheads - 2" paper tape embedded in 1st layer of compound over all joints. As an alternate nominal 3/32" thick gypsum veneer plaster may be applied to the entire surface of the Classified veneer baseboard joints reinforced.

6. Fit GWB tight to underside of roof deck, compressing PEMB roof insulation, and seal joint with 3M fire retardent joint caulkings.

7. Metal Building roof deck

8. Metal Building "Cee" or "Zee" Purlins @ max. 5'-0" o.c. *Bearing the UL Classification Marking

U.L. Design No. WL-1017 1 Hr. Rated Penetration



3M FIRE PROTECTION PRODUCTS THIS MATERIAL WAS EXTRACTED BY 3M FIRE PROTECTION PRODUCTS FROM THE 1997 EDITION OF THE UL FIRE RESISTANCE DIRECTORY. 345 METALLIC PIPE 1000 SERIES

WL SYSTEM NO. W-L-1017 (FORMERLY SYSTEM NO. 328) F RATINGS-1 AND 2 HR (SEE ITEM 3) T RATING-0 HR L RATING AT AMBIENT-LESS THAN I CFM/SQ FT L RATING AT 400 F-LESS THAN I CPM/SQ FTLL

1. WALL ASSEMBLY- THE I HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR 1400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS- WALL FRAMING - STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DIEEP CHANNELS SPACED MAX 24 IN. OC.

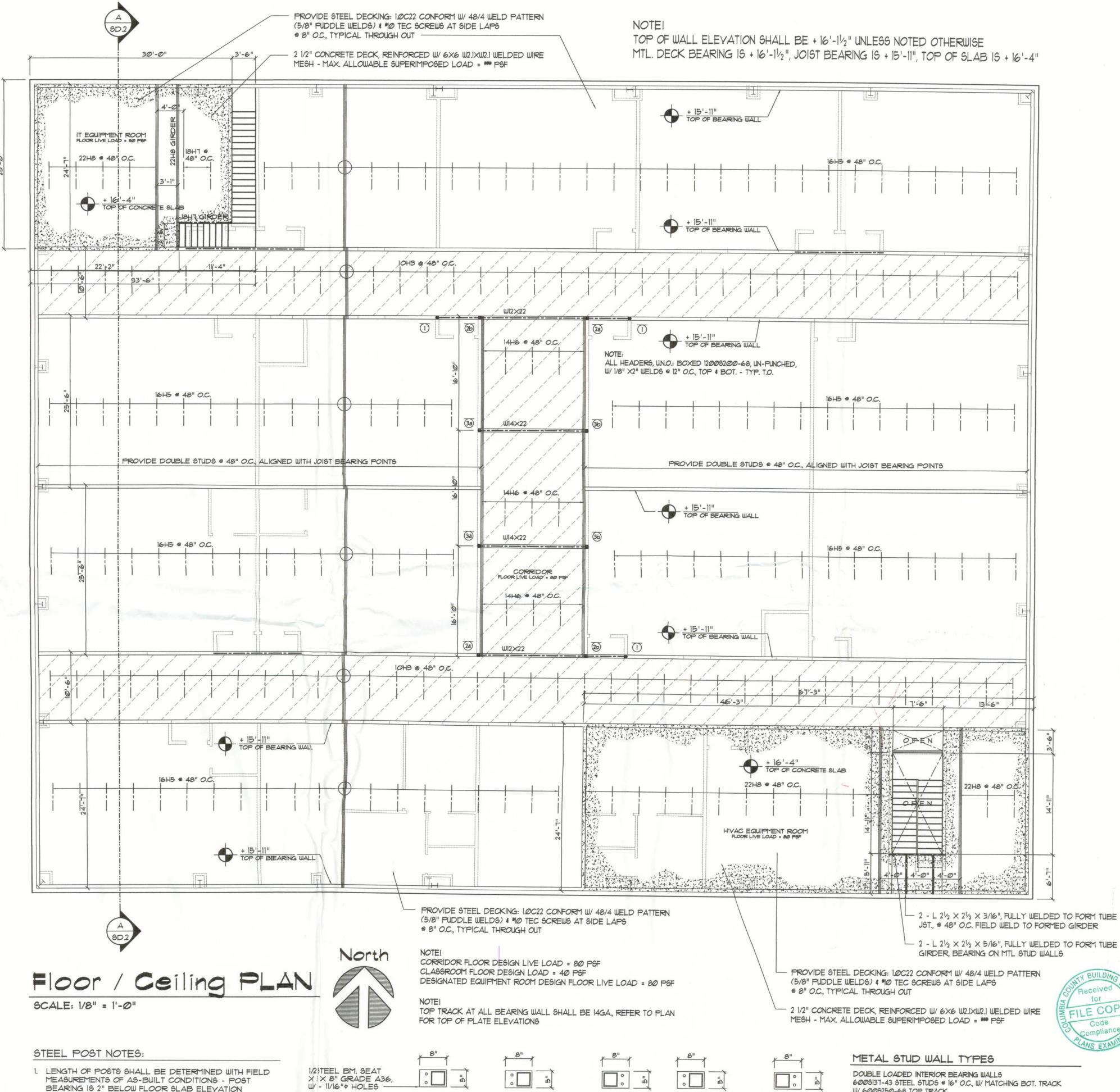
B. WALLBOARD, GYPSUM*- NOM 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, NUMBER OF LAYERS AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. DIAM OF CIRCULAR THROUGH OPENING CUT THROUGH GYPSUM WALLBOARD ON EACH SIDE OF WALL ASSEMBLY TO BE MIN Ø IN. (POINT CONTACT) TO MAX I IN. LARGER THAN OUTSIDE DIAM OF FLEXIBLE METAL CONDUIT (ITEM 2) INSTALLED IN THROUGH OPENING. SIDE EDGE OF CIRCULAR OPENING TO IBE MIN 3 IN. FROM NEAREST STUD IN WALL CAVITY.

C. FASTENERS- WHEN STEEL CHANNEL STUD FRAMING IS EMPLOYED, GYPSUM WALLBOARD ATTACHED TO STUDS WITH TYPE S SELF-DRILLING, SELF-TAPPING BUGLE-HEAD SITEEL SCREWS AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN.

2. THROUGH PENETRATING PRODUCT*- FLEXIBLE METAL CONDUIT-NOM 4 INL DIAM (OR SMALLER) ALUMINUM OR STEEL FLEXIBLE METAL CONDUIT+. MAX ONE FLEXIBLE METAL CONDUIT TO BE INSTALLED NEAR CENTER OF CIRCULAR OPENING IN GYPSUM WALLBOARD!. FLEXIBLE METAL CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. AFC CABLE SYSTEMS, INC.

3. FILL, YOID OR CAVITY MATERIAL !- CAULK FILL MATERIAL FORCED INTO ANNULAR SPACE AROUND ENTIRE CIRCUMFERENCE OF THROUGH PENETRATING PRODUCT TO COMPILETELY FILL OPENING IN GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY. A MIN 5/8 IN. THICKNESS OF CAULK IS REQUIRED FOR THE I HR FIRE RATING. A MIN 1-1/4 IN.

MINNESOTA MINING & MFG. CO. - CP 25WB+ *BEARING THE UL CLASSIFICATION MARKING



2. ALL POST COMPONENTS SHALL BE FULLY WELDED

3. RED IRON WORK SHALL REQUIRE SHOP DRAWINGS FOR

4. NOTE ORIENTATION OF BOTH THE BASE PLATE AND

APPROVAL PRIOR TO FABRACATION OF THE PRODUCTT.

TB-4X4 K 3/16" STEEL TUBE

5/8" STEL BASE PLATE GRAPEA36 - 5" X 8"

SCALE: 3/4" = 1'-0"

W/ 2 16" + HOLES -

COL. GRADE A46 -

CHIPED AND SHOP PAINTED.

BEAM SUPPORTS !!!

6006137-43 STEEL STUDS € 16" O.C., W/ MATCHING BOT. TRACK W/ 6005250-68 TOP TRACK

DOUBLE LOADED CENTER BEARING WALL 2 - 6005137-68 STL. STUDS @ 48" O.C., ALIGNED WITH JSTS, ABOVE W/ 6005137-33 STEEL STUDS @ 16" O.C. INFILL BETWEEN DBL. STUDS 4 MATCHING BOT. TRACK, W/ 6005250-68 TOP TRACK

EXTERIOR BEARING WALLS 6006137-33 STEEL STUDS @ 16" O.C., W/ MATCHING BOT. TRACK W/ 6005250-68 TOP TRACK

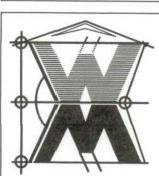
SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE

4

W III

JOINT VENTURED WITH

© WILLIAM MYERS DESIGN P.O. BOX 1513 LAKE CITY, FL 32056 (386) 758-8406 will@willmyers.net

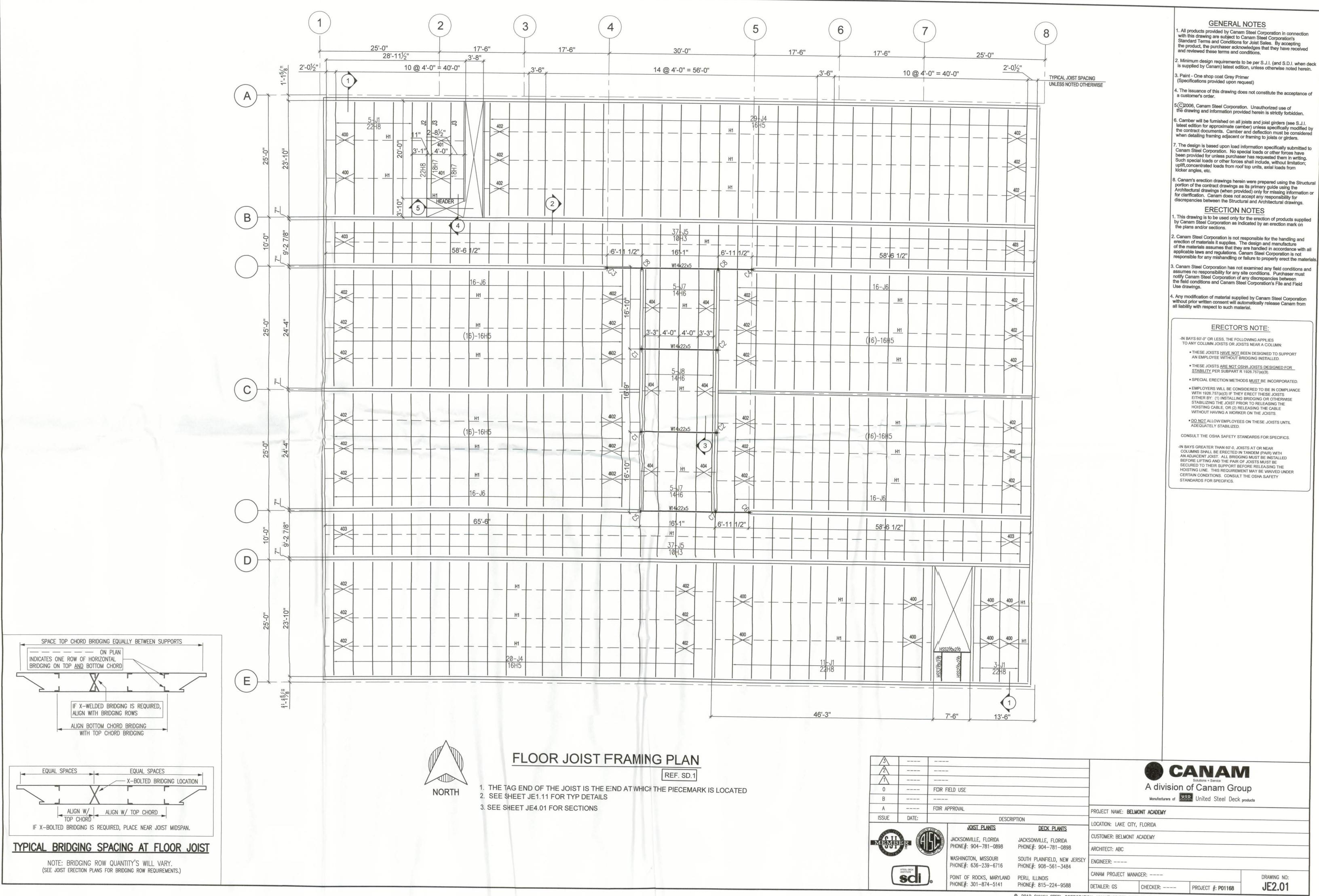


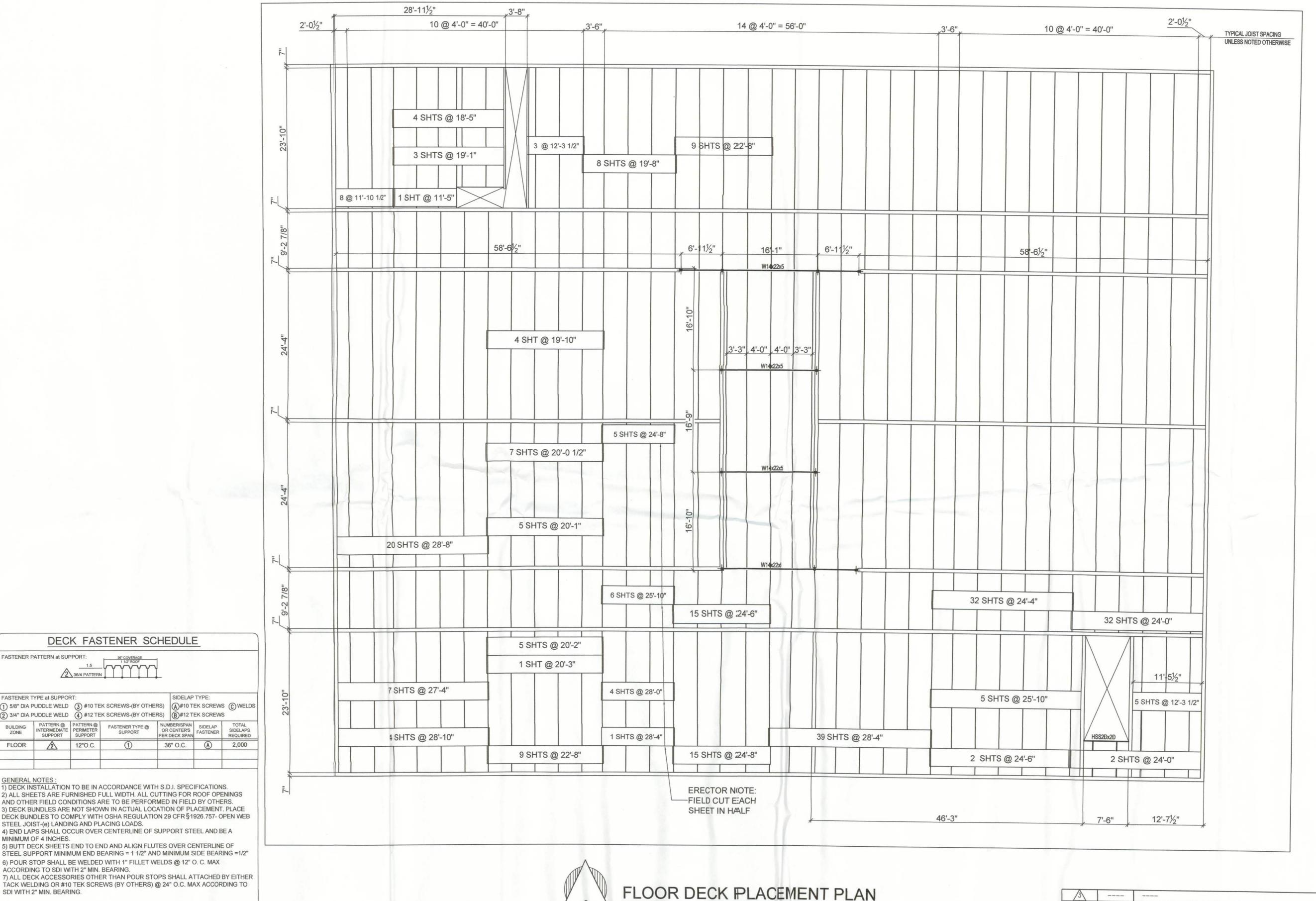
JOB NUMBER 2K1260

DATE: 11 SEP 2012

SHEET NUMBER

OF 7 SHEETS





FASTENER PATTERN at SUPPORT:

FASTENER TYPE at SUPPORT:

MINIMUM OF 4 INCHES.

SDI WITH 2" MIN. BEARING.

MARK

REMARKS: SCREWS - #10 - 16 x 3/4" Type/1 (Side laps)

number 27 & 91, under Installation/Anchorage).

UL DECK: FM DECK:

TYPE

1½" TYPE "B"

Please note that Welding washers are not recommended by S.D.I. (Steel Deck Institute)

or CANAM for 22 gauge or heavier deck. (Refer to United Steel Deck Inc. catalog page

GAGE

22

DECK GAGE & FINISH

FINISH

G60 GALV

Fy (ksi) | COVER | VENTED | LAP (L) / BUTT (B)

36"

40 KSI

FLOOR 2 12"O.C.

0 IFOR FIELD USE ----В ____ Α IFOR APPROVAL ISSUE DATE:

DESCRIPTION JOIST PLANTS JACKSONVILLE, FLORIDA PHONE#: 904-781-0898

JACKSONVILLE, FLORIDA PHONE#: 904-781-0898 WASHINGTON, MISSOURI SOUTH PLAINFIELD, NEW JERSEY PHONE#: 636-239-6716 PHONE#: 908-561-3484

DECK PLANTS CANAM PROJECT MANAGER: ----POINT OF ROCKS, MARYLAND PERU, ILLINOIS

Manufacturers of United Steel Deck products PROJECT NAME: BELMONT ACADEMY LOCATION: LAKE CITY, FLORIDA CUSTOMER: BELMONT ACADEMY ARCHITECT: ABC ENGINEER: ----

CANAM

DRAWING NO:

A division of Canam Group

GENERAL NOTES 1. All products provided by Canam Steel Corporation in connection with this drawing are subject to Canam Steel Corporation's Standard Terms and Conditions for Joist Sales. By accepting the product, the purchaser acknowledges that they have received

2. Minimum design requirements to be per S.J.I. (and S.D.I. when deck

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4. The issuance of this drawing does not constitute the acceptance of

5. C 2006, Canam Steel Corporation. Unauthorized use of the drawing and information provided herein is strictly forbidden. 6. Camber will be furnished on all joists and joist girders (see S.J.I. latest edition for approximate camber) unless specifically modified by the contract documents. Camber and deflection must be considered

when detailing framing adjacent or framing to joists or girders.

uplift,concentrated loads from roof top units, axial loads from

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THESE JOISTS ARE NOT OSHA JOISTS: DESIGNED FOR STABILITY PER SUBPART R 1926.757(a))(3).

• SPECIAL ERECTION METHODS MUST BE INCORPORATED.

STABILIZING THE JOIST PRIOR TO RELEASING THE HOISTING CABLE, OR (2) RELEASING THE CABLE WITHOUT HAVING A WORKER ON THE JOISTS. • DO NOT ALLOW EMPLOYEES ON THESE JOISTS UNTIL

CONSULT THE OSHA SAFETY STANDARDS FOR SPECIFICS.

-IN BAYS GREATER THAN 60'-0, JOISTS AT OR NEAR COLUMNS SHALL BE ERECTED IN TANDEM (PAIR) WITH AN ADJACENT JOIST. ALL BRIDGING MUST BE INSTALLED

BEFORE LIFTING AND THE PAIR OF JOISTS MUST BE SECURED TO THEIR SUPPORT BEFORE RELEASING THE HOISTING LINE. THIS REQUIREMENT MAY BE WAIVED UNDER

CERTAIN CONDITIONS. CONSULT THE OSHA, SAFETY

ADEQUATELY STABILIZED.

STANDARDS FOR SPECIFICS.

 EMPLOYERS WILL BE CONSIDERED TO BE IN COMPLIANCE WITH 1926.757(a)(3) IF THEY ERECT THESE JOISTS EITHER BY: (1) INSTALLING BRIDGING OR OTHERWISE

-IN BAYS 60'-0" OR LESS, THE FOLLOWING APPLIES TO ANY COLUMN JOISTS OR JOISTS NEAR A COLUMN:

7. The design is based upon load information specifically submitted to Canam Steel Corporation. No special loads or other forces have

been provided for unless purchaser has requested them in writing. Such special loads or other forces shall include, without limitation;

Canam's erection drawings herein were prepared using the Structural portion of the contract drawings as its primary guide using the Architectural drawings (when provided) only for missing information or

and reviewed these terms and conditions.

3. Paint - One shop coat Grey Primer (Specifications provided upon request)

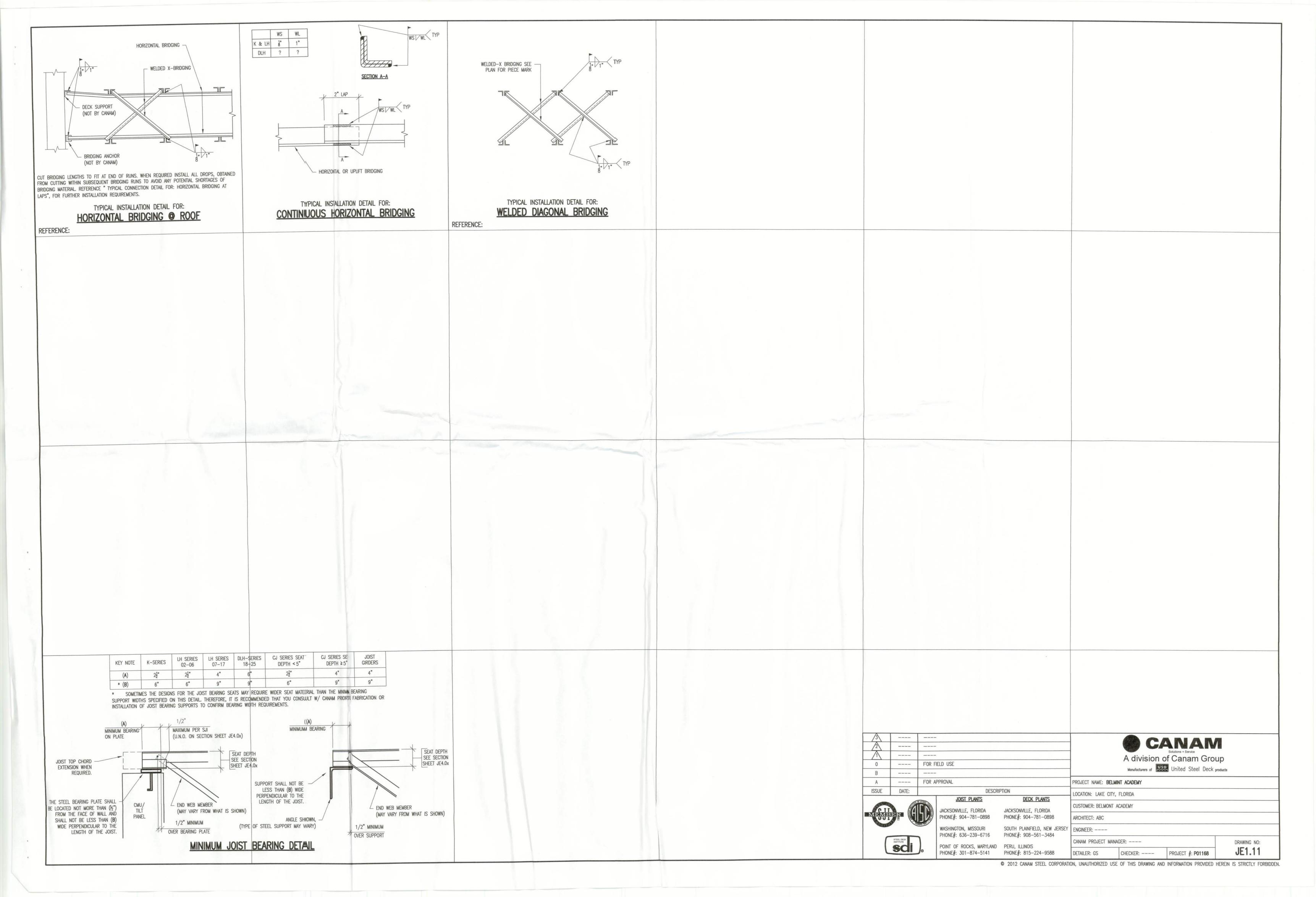
a customer's order.

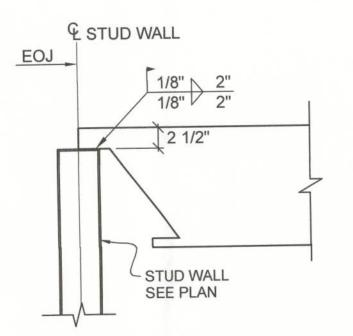
the plans and/or sections.

all liability with respect to such material.

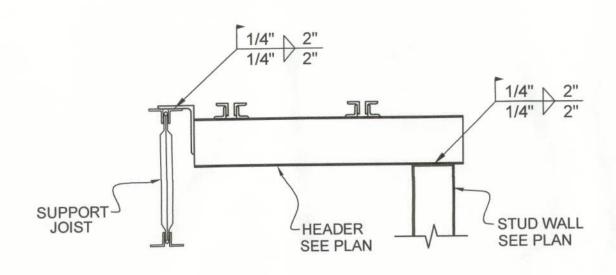
PHONE#: 301-874-5141 PHONE#: 815-224-9588 DETAILER: GS CHECKER: ----PROJECT #: P01168

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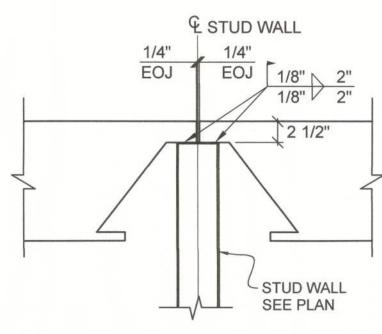




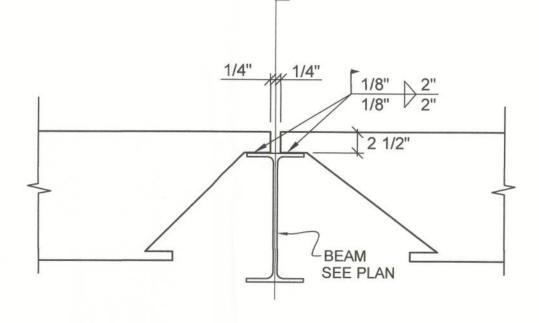
JOIST SECTION



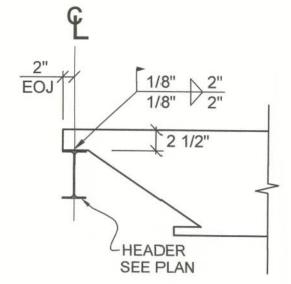
JOIST SECTION 5



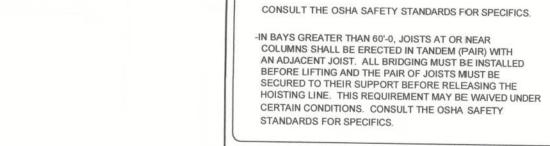
JOIST SECTION 2



JOIST SECTION 3



JOIST SECTION 4



GENERAL NOTES

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a customer's order.

the plans and/or sections.

Use drawings.

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EITHER BY: (1) INSTALLING BRIDGING OR OTHERWISE
STABILIZING THE JOIST PRIOR TO RELEASING THE
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WITHOUT HAVING A WORKER ON THE JOISTS.

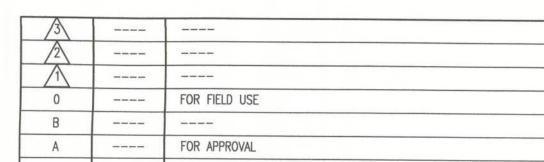
DO NOT ALLOW EMPLOYEES ON THESE JOISTS UNTIL

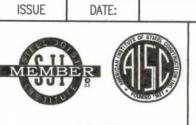
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ERECTION NOTES





DESCRIPTION DECK PLANTS JACKSONVILLE, FLORIDA JACKSONVILLE, FLORIDA PHONE#: 904-781-0898 PHONE#: 904-781-0898 WASHINGTON, MISSOURI SOUTH PLAINFIELD, NEW JERSEY ENGINEER: ---

PHONE#: 636-239-6716 PHONE#: 908-561-3484 POINT OF ROCKS, MARYLAND PERU, ILLINOIS PHONE#: 301-874-5141 PHONE#: 815-224-9588 CANAM

Solutions + Service

A division of Canam Group Manufacturers of USD United Steel Deck products

PROJECT NAME: BELMONT ACADEMY LOCATION: LAKE CITY, FLORIDA CUSTOMER: ----CANAM PROJECT MANAGER: ----DRAWING NO: