GENERAL NOTES:
1. INSTALL ALL CORES AND FLANGE BRACES (FB) AS SHOWN.
2. FLOOR PANELS PROVIDE STRUCTURAL STABILITY TO THE BUILDING.
3. CORES MUST BE品質, AND MOUNTING HOLES SHOWN ON THE.
4. INSTALLATION PER ALL DRAWINGS/SHEETS OF DESIGN.
5. APPROVAL OF BUILDING MANUFACTURER OR PROFESSIONAL ENGINEER.
6. INSTALLATION PER ALL DRAWINGS/SHEETS OF DESIGN.
7. SHAPES SHOWN BY BUCK STEEL.
FRAME CROSS SECTION: FRAME LINE 2 3 4

GENERAL NOTES:

1. ALL BOLTS SHOWN WITH A325N-1C TYPE 1 BOLTS ARE SPECIFIED SUPERIOR SINGLE HELD.
   FASTENED IN ACCORDANCE WITH THE SPECIFICATION FOR STRENGTHENED A325N-1C BOLTS, A325-1C ANCHOR, LINING TRUSS, FASTENING METHODS INCLUDING TOLERANCE BOLTS OF THE SAME THREAD SIZE AS THE TENSION BOLTS. THEY STEEL BOLTS IN DIRECT TENSION ARE NOT REQUIRED FOR SPECIFICATION REQUIREMENTS.
   FOR SPECIFICATION REQUIREMENTS FOR STRUCTURAL STEEL SECTION 6.1.

2. ALL STEEL SECTIONS CONNECTIONS OF SECONDARY FRAMES SHALL BE BOLTED WITH A325-1C
   TYPE 1 BOLTS.

3. INDEX ALL SLICE BRACKETS ON COLUMN AND PIER SUPERIOR SHOW.

SAMPLE - NOT FOR CONSTRUCTION
1. To determine if the foundation is square, measure diagonal dimensions to ensure they are of equal length.
2. To determine if the foundation is level, set up a transit or level and use a level rod to obtain the elevation on all columns.
3. Carefully check the location of all anchor bolts against the Anchor Rod Setting Plan furnished by the fabricator. All dimensions must be identical to ensure a proper start-up.

BASIS OF DESIGN

10.1 Anchor rod, foundation bolts and other embedded items shall be set by the owner's designated representative for construction in accordance with the structural and embedded drawings that have been approved by the owner's designated representative for design and construction. The variation in location of these items from the dimensions shown on the embedded drawings shall be as follows:

(a) The variation in dimension between the centers of any two anchor rods within or across row of anchor rods shall not exceed 1/8 in. [3 mm].
(b) The variation in dimension between the centers of adjacent anchor rod groups shall not exceed 1/4 in. [6 mm].
(c) The variation in elevation of the top of anchor rod shall be equal to or less than 1/8 in. [3 mm].
(d) The variation in dimension between centers of the anchor rod group along the column line through multiple anchor rod groups shall be equal to or less than 1/8 in. [3 mm] per 100 ft [30 480 mm] and not to exceed a limit of 1 in. [25 mm].
(e) The variation in dimension from center of any anchor rod group to the center of any column shall be equal to or less than 1/8 in. [3 mm] per 100 ft [30 480 mm] and not to exceed a limit of 1 in. [25 mm].

The tolerances that are specified in (a), (b) and (c) shall apply to offset dimensions shown in the structural design drawings, measured parallel and perpendicular to the nearest column line, for individual columns that are shown in the structural design drawings as offset from column lines.

10.2 Unless otherwise specified in the contract documents, anchor rod shall be set with their longitudinal axis perpendicular to the theoretical bearing surface.

10.3 Embedded items and connections that are part of the work of other trades, but that involve structural steel, shall be located and set by the owner's designated representative for construction in accordance with an approved embedment drawing. The variation in location of these items shall be limited to a magnitude that is consistent with the tolerances that are specified in Section 7.13 for the erection of the structural steel.

10.4 All work performed by the owner’s designated representative for construction shall be completed so as not to delay or interfere with the work of the laborers and the erection. The owner’s designated representative for construction shall conduct a survey of the embedment locations of anchor rods, foundation bolts and other embedded items and shall verify that all items are set in accordance with the approved embedment drawing. If necessary, the owner's designated representative for construction shall obtain the guidance and approval of the owner's designated representative for design.

It is extremely important that anchor bolts be placed accurately in accordance with the Anchor Rod Setting Plan. All anchor bolts should be held in place until the concrete achieves the specified strength. All anchor bolts shall be set in the correct location during placing of the concrete. A final check should be made after the concrete is the correct work and prior to the steel installation. This will allow any necessary corrections to be made before the costly equipment is ready for the concrete.
The sample shown here illustrates the building manufacturer’s recommended roof style and installation method. It is the owner / installer’s responsibility to provide the proper roof style and install them in accordance with the procedures established by these details. Failure by the owner / installer to follow these recommendations may result in the curing damaging the roof system or excluded from warranty.

All roof access to be:
1. 20% aluminum (Any Stainless, Galvanized/Red Galvanized)
2. Panel to be ribbed (Not the sheet or stop-out Gutter)
3. Tarred over bar and cable high end applications for metal tile at panel side
4. Top it penetration for flat applied roof systems are required
5. Tarred over bar and cable high end applications for metal tile at panel side

Suggested method of finish attachment (for ridge/valley)

**Note:** This sample is not for construction.
GENERAL ELECTION NOTES

1. All clips, hangers, bolts, bracing systems, etc. must be installed on elevation drawings.
2. It is extremely important, especially during construction, that panels at the same, color and edge be kept secure.
3. Column hangers must not be lag screwed in "THICK" HEROES to concrete columns specified or weakened for the building.
4. Tighten column steel hanger nuts/cap screws (on column) before tightening roof hanger nuts. Roof hanger nuts are tightened from inside to outside.
5. High strength bolts (ASA) must be used where specified.

TYPICAL CONSTRUCTION DRAWING

1. It is the responsibility of the architect to maintain stability of the structure during all phases of erection, particularly when left overnight.
2. Temporary supports, such as temporary columns, braces or other elements shall be the responsibility of the owner. The temporary supports required shall be determined and furnished by the owner.
3. Temporary construction supports shall be considered necessary to accommodate all construction joining to which the structure may be subjected. Left in place until as large as may be required.

Erection Guide

R3
May 12, '04

FRAME STEEL
Erection Guide

Sheet R6

STEP 1: ERECT FIRST BAY WALL FRAMING

- Drawn frame to the building. The location of the first framed bay. Framing for the first bay will be erected first.

- Stand adjacent primary frame columns and corner columns over the anchor points, where the base plate is to be located.

- Once the anchor has been established, install the anchor bolts using the anchor bolts and the anchor points.

- To erect the first bay, follow these steps:
  1. Install the anchor bolts.
  2. Install the primary frame columns.
  3. Install the secondary frame columns.
  4. Install the temporary bracing.

STEP 2: ERECT FIRST BAY ROOF FRAMING

- Drawn frame to the building. The location of the first framed bay. Framing for the first bay will be erected first.

- Stand adjacent primary frame columns and corner columns over the anchor points, where the base plate is to be located.

- Once the anchor has been established, install the anchor bolts using the anchor bolts and the anchor points.

- To erect the first bay, follow these steps:
  1. Install the anchor bolts.
  2. Install the primary frame columns.
  3. Install the secondary frame columns.
  4. Install the temporary bracing.

STEP 3: ERECT PRIMARY Girts AND FIRST ENTRANCE BAY

- Drawn frame to the building. The location of the first framed bay. Framing for the first bay will be erected first.

- Stand adjacent primary frame columns and corner columns over the anchor points, where the base plate is to be located.

- Once the anchor has been established, install the anchor bolts using the anchor bolts and the anchor points.

- To erect the first bay, follow these steps:
  1. Install the anchor bolts.
  2. Install the primary frame columns.
  3. Install the secondary frame columns.
  4. Install the temporary bracing.

STEP 4: ERECT REMAINING STRUCTURAL FRAMING

- Drawn frame to the building. The location of the first framed bay. Framing for the first bay will be erected first.

- Stand adjacent primary frame columns and corner columns over the anchor points, where the base plate is to be located.

- Once the anchor has been established, install the anchor bolts using the anchor bolts and the anchor points.

- To erect the remaining structure, follow these steps:
  1. Install the anchor bolts.
  2. Install the primary frame columns.
  3. Install the secondary frame columns.
  4. Install the temporary bracing.

Note: All temporary bracing should be removed in a load condition with all bolts removed. Do not tighten beyond the specified torque.