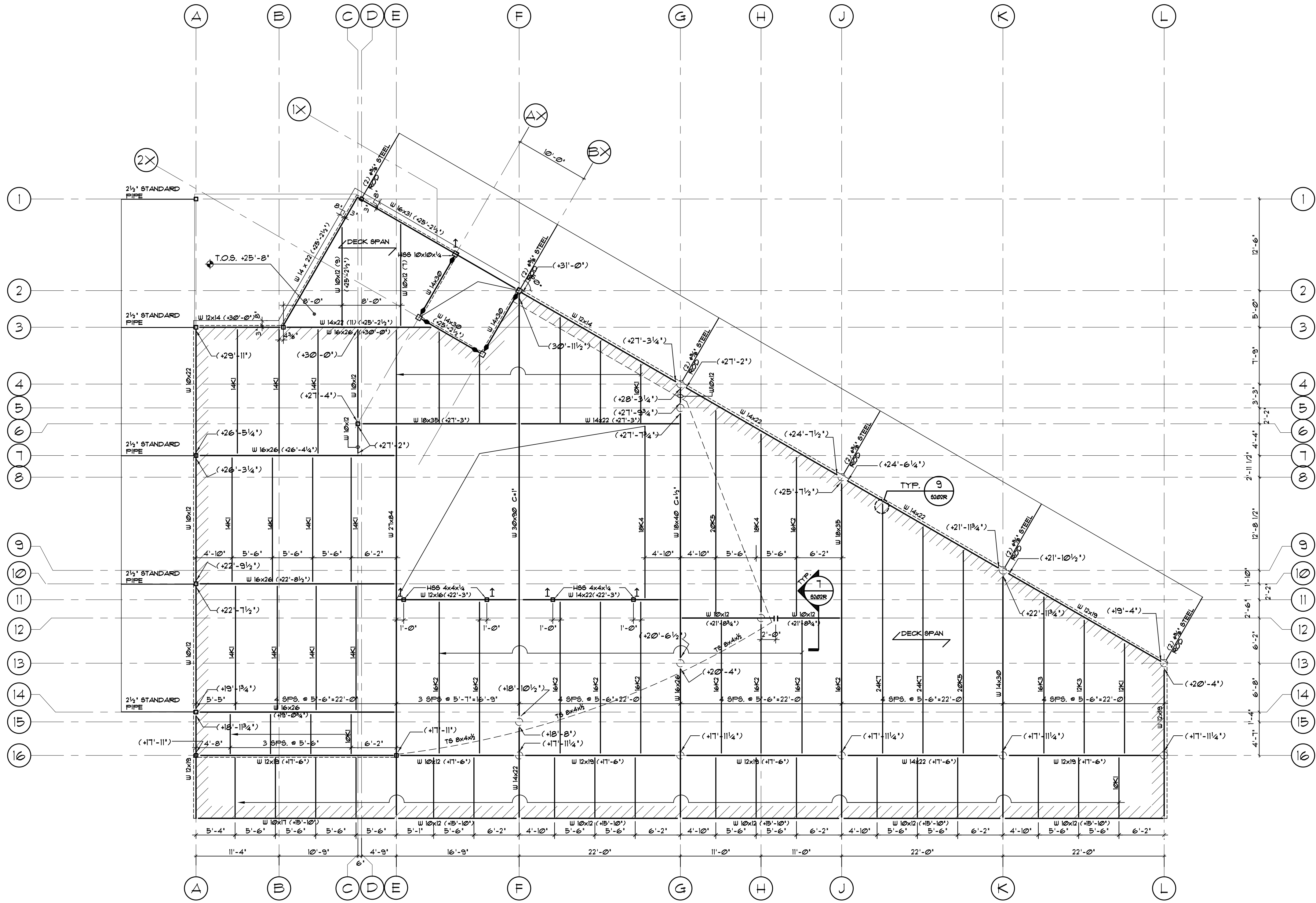


Filename: P:\02-0818 Maine Int Ferry Terminal\WORKING DRAWINGS\STRUCTURE\RECEIVING STATION\20343802-R-S102.dwg, Dec 23, 2005 - 2:10pm

IN ASSOCIATION WITH:  
**BEA**  
 ENGINEERS  
 GORRILL-PALMER CONSULTING ENGINEERS  
 PERATROVICH, NOTTINGHAM, & DRAGE  
 ARCHITECTS  
 HALEY & ALDRICH

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 PROJECT NUMBER 009215.00  
 PIN 009215.00

**REGISTERED ARCHITECT**  
 STATE OF MAINE  
 NO. 2844  
 SIGNATURE  
 P. LICENCE NUMBER  
 DATE 12/23/05

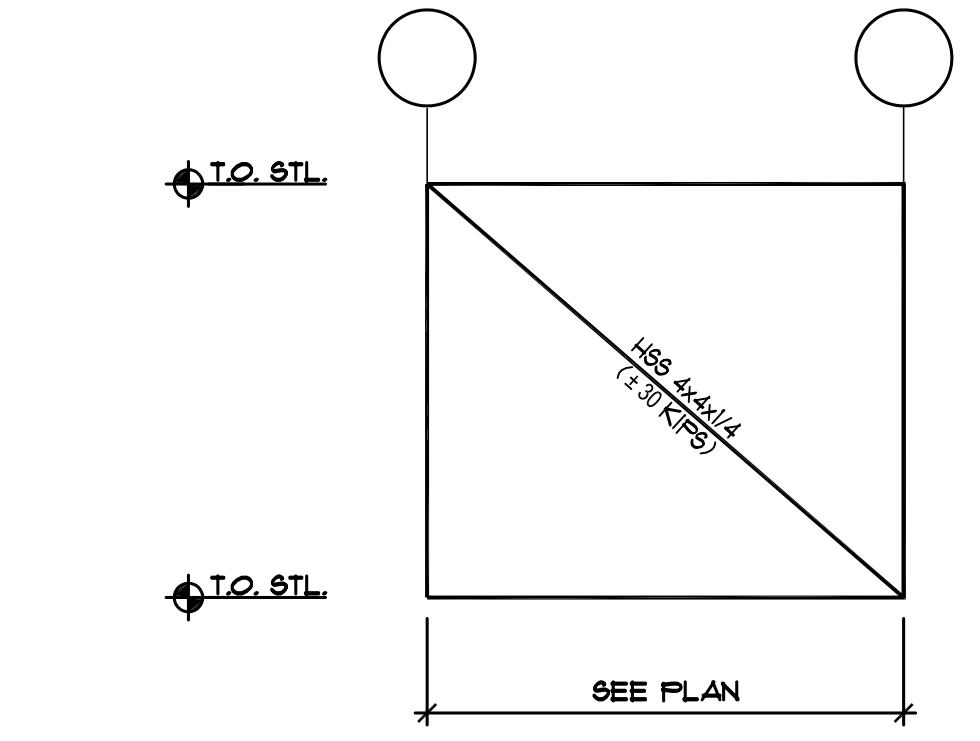


**A RECEIVING STATION  
 ROOF FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"

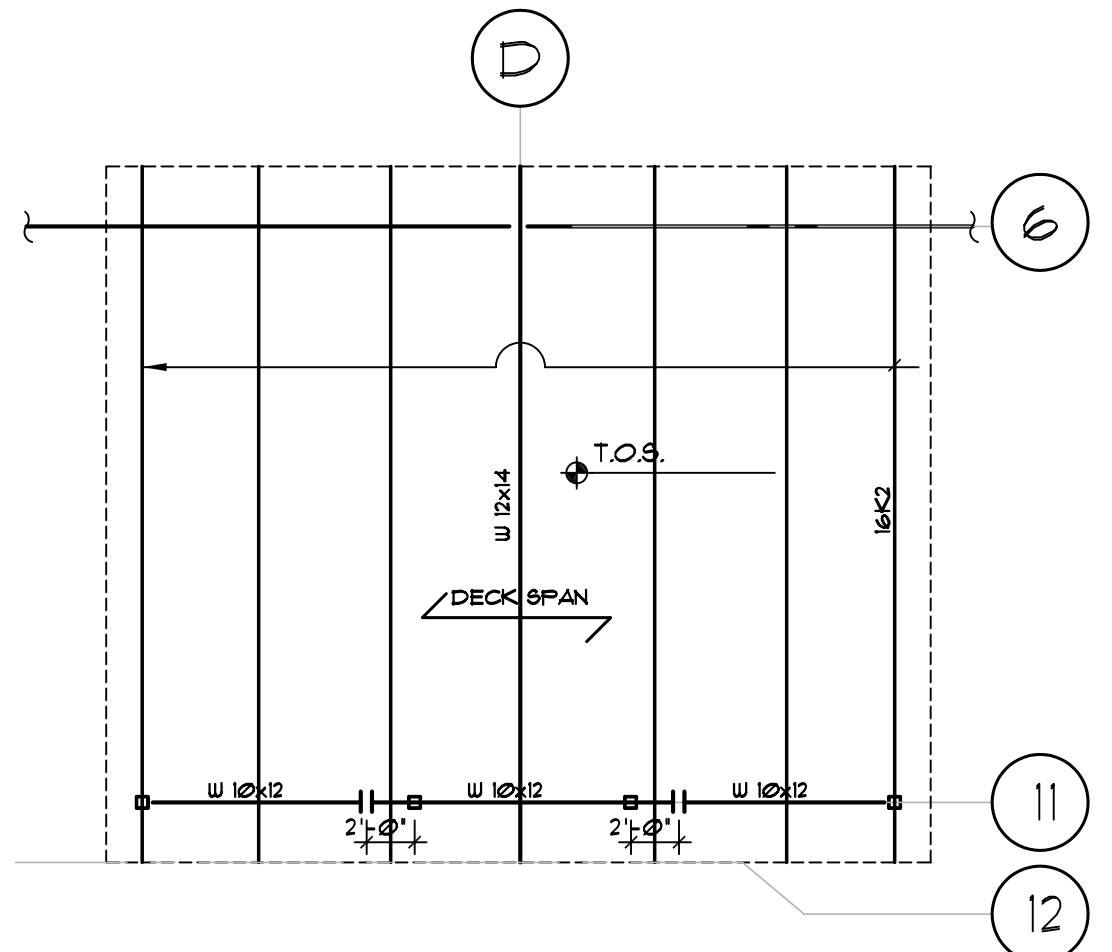
**ROOF FRAMING NOTES ( STEEL )**

- DESIGN ROOF LOADS = 31 PSF PLUS THE EFFECTS OF DRIFTING SNOW PER BOCA CODE.  
 NET UPLIFT = 15 PSF FOR STEEL JOIST AND BEAM LONGER THAN 12 FT AND 35 PSF FOR OTHER ONES.
- ROOF CONSTRUCTION I : 3 1/2 INCHES OF NORMAL WEIGHT CONCRETE FILL WITH 6 X 6-W21 X W21 WUF ON 2" INCHES DEEP COMPOSITE METAL FLOOR DECK. OVERALL THICKNESS = 5-1/2 INCHES U.N.O.
- ROOF CONSTRUCTION II : INDICATES 1 1/2 INCHES OF NORMAL WEIGHT

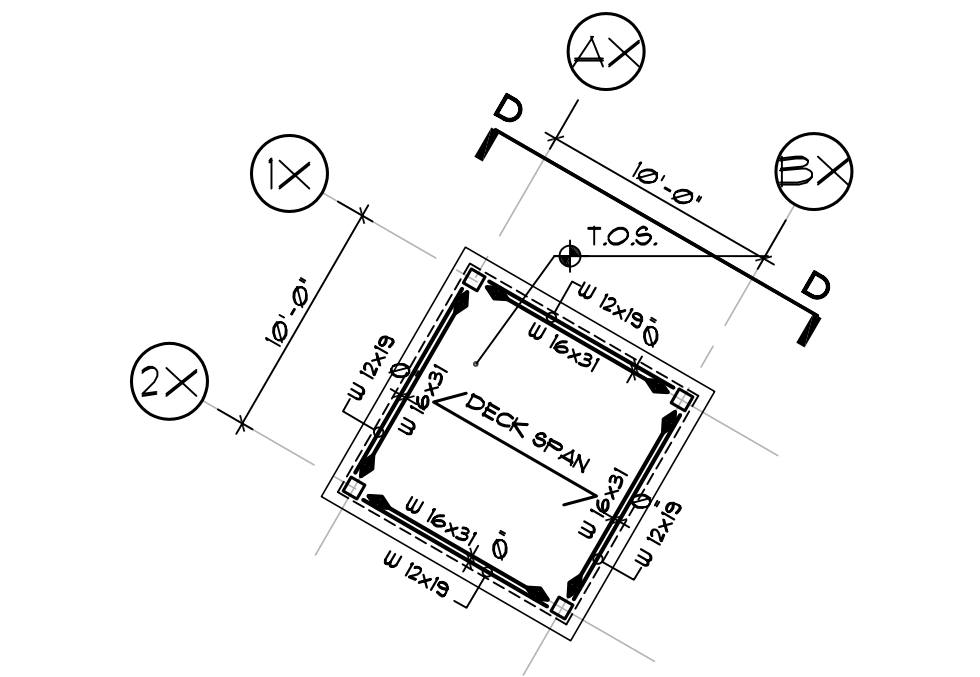
- TOP OF STEEL ELEVATION SEE PLAN. STEEL BEAM SHALL SLOPE ALONG ITS LONGITUDINAL AXIS.
- ELEVATIONS SHOWN INDICATE TOP OF BEAM EL. (U.N.O.) WORKPOINTS AT SLOPING MEMBERS ARE AT CENTERLINERS OF COLUMNS, OR SUPPORTING BEAMS AND AT INSIDE FACE WALLS, U.N.O.
- SEE DETAILS ON SHEET S202 -R FOR STEEL JOISTS BEARING SEATS
- SEE SHEET S 002-R FOR COLUMN SCHEDULE.
- ◆ AND ● INDICATES MOMENT CONNECTION. SEE SECTION ON SHEET S -R
- SEE SHEET S 001-R FOR STRUCTURAL NOTES AND LEGEND.



**D FRAME ELEVATION  
 FOUR SIDES OF TOWER**  
 SCALE: 1/8" = 1'-0"



**C DORNAR ROOF PLAN**  
 SCALE: 1/8" = 1'-0"



**B RECEIVING STATION  
 HIGH ROOF FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"

CITY OF PORTLAND  
 OCEAN GATEWAY PHASE 1  
 RECEIVING STATION  
 ROOF FRAMING PLAN

**S102-R**