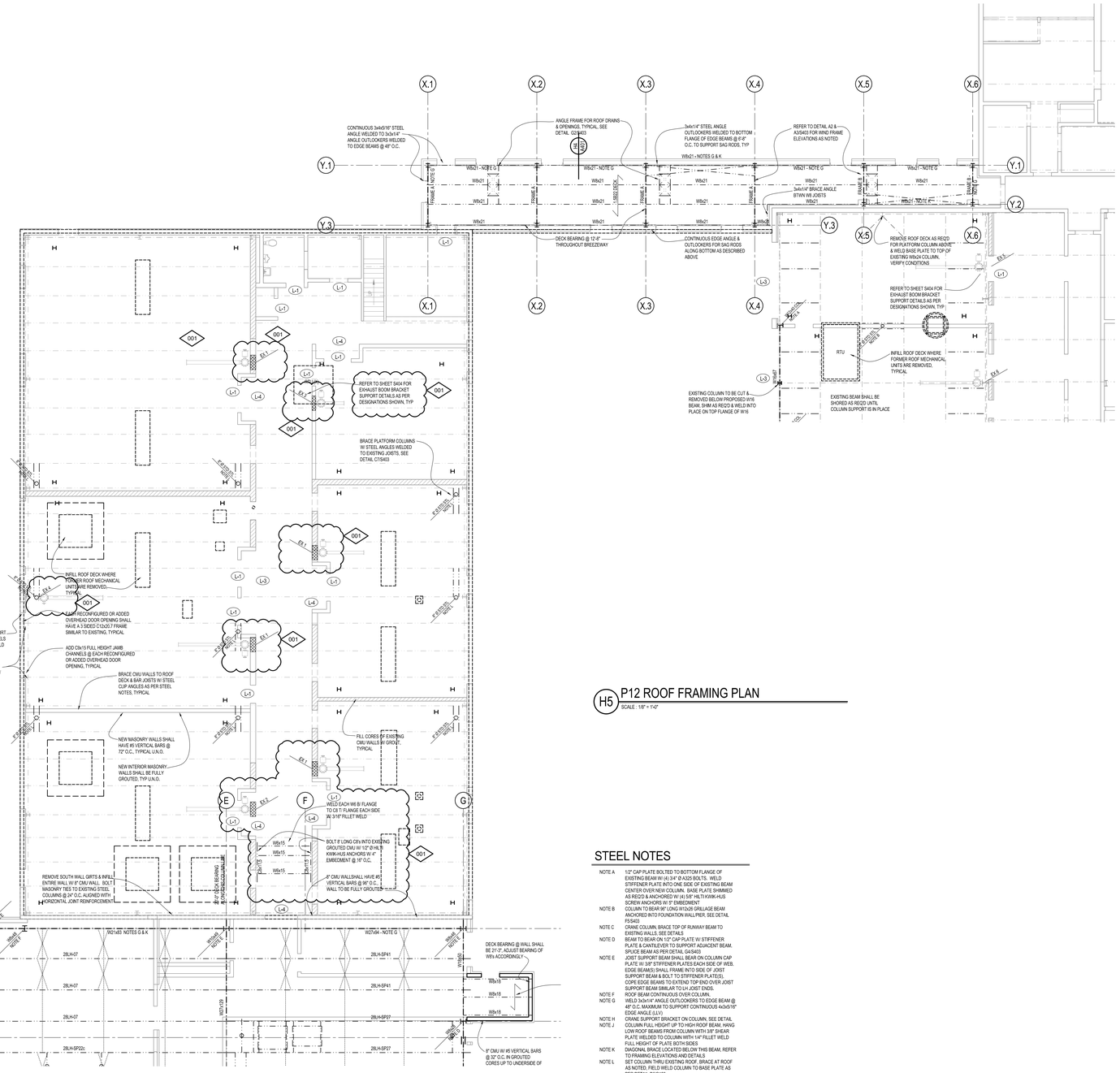

H5 P12 ROOF FRAMING PLAN

SCALE : 1/8" = 1'-0"

STEEL NOTES

NOTE A	1/2" CAP PLATE BOLTED TO BOTTOM FLANGE OF EXISTING BEAM W/ (4) 3/4" Ø A325 BOLTS. WELD STIFFENER PLATE INTO ONE SIDE OF EXISTING BEAM CENTER OVER NEW COLUMN. BASE PLATE SHIMMED AS REQ'D & ANCHORED W/ (4) 5/8" HILTI KWIK-HUS SCREW ANCHORS W/ 5" EMBEDMENT
NOTE B	COLUMN TO BEAR 18" LONG W/2x2X GRILLAGE BEAM ANCHORED INTO FOUNDATION WALL/PIER, SEE DETAIL FS/5403
NOTE C	CRANE COLUMN, BRACE TOP OF RUNWAY BEAM TO EXISTING WALLS, SEE DETAILS
NOTE D	BEAM TO BEAR ON 1/2" CAP PLATE W/ STIFFENER PLATE & CANTILEVER TO SUPPORT ADJACENT BEAM. SPLICE BEAM AS PER DETAIL G4/5403
NOTE E	JOIST SUPPORT BEAM SHALL BEAR ON COLUMN CAP PLATE W/ 3/8" STIFFENER PLATES EACH SIDE OF WEB. EDGE BEAM(S) SHALL FRAME INTO SIDE OF JOIST SUPPORT BEAM & BOLT TO STIFFENER PLATE(S). COPE EDGE BEAMS TO EXTEND TOP END OVER JOIST SUPPORT BEAM SIMILAR TO LH JOIST ENDS.
NOTE F	ROOF BEAM CONTINUOUS OVER COLUMN.
NOTE G	WELD 3x3x1/4" ANGLE OUTLOOKERS TO EDGE BEAM @ 48" O.C. MAXIMUM TO SUPPORT CONTINUOUS 4x3x5/16" EDGE ANGLE (LLV)
NOTE H	CRANE SUPPORT BRACKET ON COLUMN, SEE DETAIL
NOTE J	COLUMN FULL HEIGHT UP TO HIGH ROOF BEAM. HANG LOW ROOF BEAMS FROM COLUMN WITH 3/8" SHEAR PLATE WELDED TO COLUMN WITH 1/4" FILLET WELD FULL HEIGHT OF PLATE BOTH SIDES
NOTE K	DIAGONAL BRACE LOCATED BELOW THIS BEAM. REFER TO FRAMING ELEVATIONS AND DETAILS
NOTE L	SET COLUMN THRU EXISTING ROOF. BRACE AT ROOF AS NOTED. FIELD WELD COLUMN TO BASE PLATE AS PER DETAIL D6/5403
NOTE M	WELD CONTINUOUS 4x3x3/8" ANGLE ABOVE TOP FLANGE W/ 3x3x3/16" ANGLE POSTS @ 36" O.C. WELDED TO TOP FLANGE TO SUPPORT HIGHER ROOF DECK ON RAISED SIDE

001 ADDED ANGLE FRAMING FOR EF-1 SUPPORT. ADDED EXHAUST BOOM SUPPORT IN TEST CELLS

BUILDING

ROOF FRAMING PLAN

2022-085

Date: 11-16-2022 Revision: 001 2-24-2023

S123

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