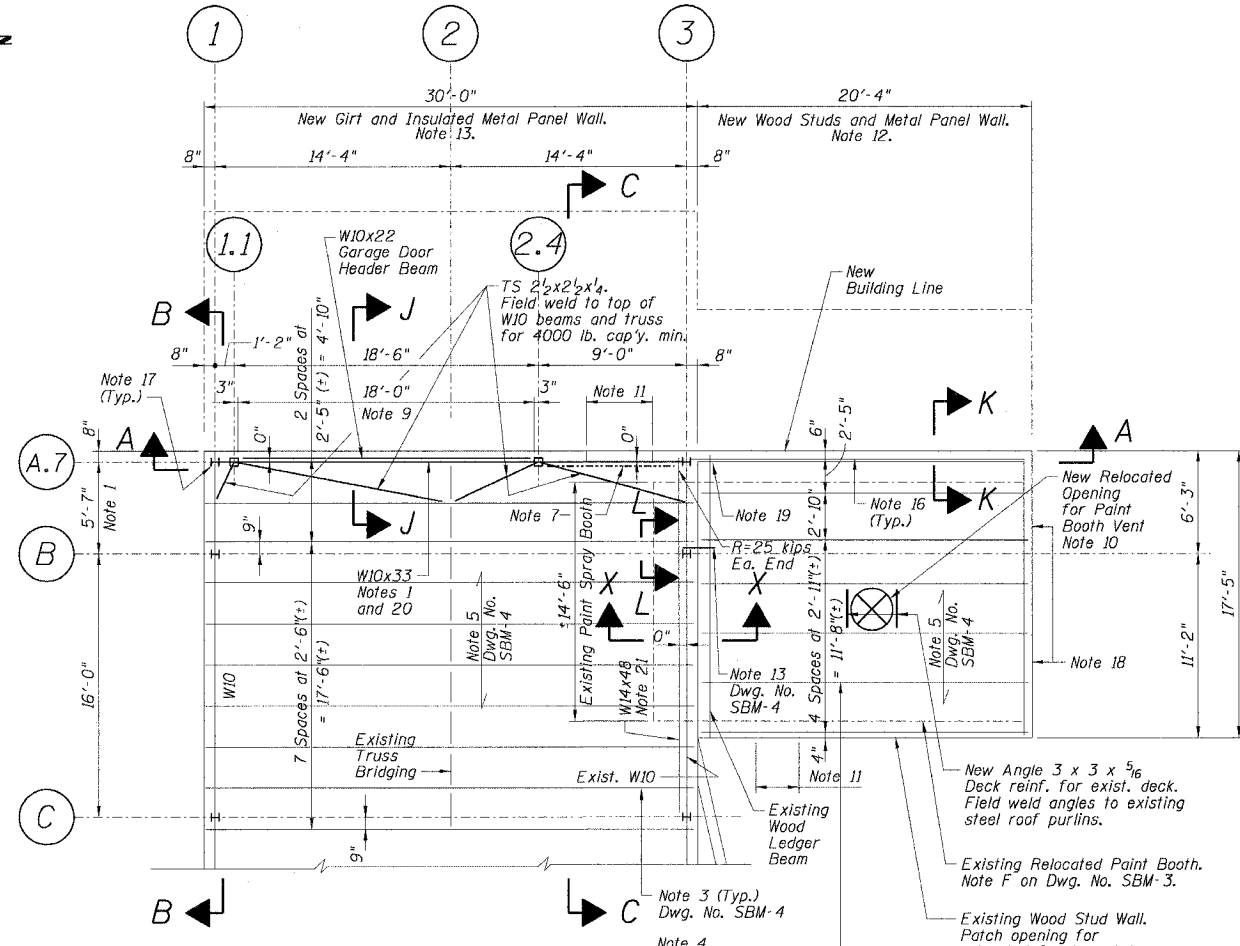
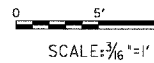
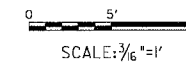


FOUNDATION PLAN



ROOF PLAN



MODIFICATION NOTES:

- The centerline of the new steel beams and columns shall be located directly under the existing steel roof truss as shown on the drawings. The dimension shown is approximate and the exact dimension shall be verified in the field.
- C1 - Indicates new W6x20 steel column with 3/4" x 11" x 11" base plate with 4-3/4" diameter anchor bolts and 3/4" thick cap plate. See Dwg. No. SBM-7.
- C2 - Indicates new HSS 6 x 6 x 3/8" steel column with 3/4" x 11" x 11" base plate with 4-3/4" diameter anchor bolts and 3/4" thick cap plate. See Dwg. No. SBM-7.
- P1 - Indicates 16" x 32" concrete pilaster reinforced with 6 - #6 vertical and #4 @ 12" ties. Hook vertical bars at top of pilaster and at bottom of footing. See Dwg. No. SBM-7.
- G1 - Indicates new steel girt HSS 5 x 5 x 1/4". See Dwg. No. SBM-7.
- P2 - Indicates 16" x 20" concrete pilaster reinforced with 4 - #6 vertical and #4 @ 12" ties. Hook vertical bars at top of pilaster and at bottom of footing. See Dwg. No. SBM-7.
- New 1/2" diameter tie rod x-bracing with turnbuckles and No. 4 clevises. New tie-rod x-bracing must be fully installed prior to removal of any existing roof deck and the existing tie-rod x-bracing at the west end of the existing building. The structural steel detailer shall design the connections for the axial forces in tension (T) or compression (C) shown on the drawings. Minimum number of bolts shall be two (2). Minimum gusset plate thickness shall be 1/2". Connect gusset plate to column and beam at top of column and to column and base plate at bottom of column for loads shown on Dwg. No. SBM-6.
- Beam connections to support one-half of the AISC maximum uniform load for the indicated beam size and span for beam reactions as indicated on the roof plan, whichever is greater) and axial forces (T) or (C) shown on the drawings.
- New 18 feet wide x 14 feet high overhead garage door.
- Reinstall existing salvaged vent for spray paint booth to pre-existing condition.
- Reinstall existing salvaged wall fans to pre-existing condition. If wall fan will not fit between x-bracing between columns A.7-2.4 and A.7-3, relocate fan to another location as directed in field.

PLANS PREPARED BY:

CTE | AECOM

CTE
303 East Wacker Drive, Suite 600, Chicago, Illinois 60601-5276
T 312.938.0300 F 312.938.1109 www.cte.aecom.com

- New 2" x 6" wood stud wall with 3/8" exterior grade plywood sheathing each side of wall and exterior metal wall panel to match existing. Tie new metal panel into existing for watertight seal as recommended by panel manufacturer. Interior wall finishes to match existing adjacent wall surfaces.
- New insulated exterior metal wall panel to match existing. Fasten to girts as required by panel manufacturer. Provide additional framing clips as required, sized and located as required by the panel manufacturer and panel manufacturer's Illinois licensed Structural Engineer. Tie new metal wall panel into existing for watertight seal as recommended by panel manufacturer. Interior wall finishes to match existing adjacent wall surfaces.
- Restore, repair or replace all portions of the building damaged by the Contractor in executing his work or where required to tie new construction into existing construction to match pre-existing conditions.
- Dowel new foundation wall and footings to existing foundation walls and footings with #5 @ 12" x 3'-0" long dowels placed at center of walls and footings and grouted 1/2" into existing with a chemical adhesive grout by Sika or approved equal.
- Where new steel roof deck is required to patch openings, provide new steel roof deck to match existing adjacent steel roof deck in profile, gage and height and as required to span between existing steel purlins and/or trusses. Deck shall be hot dipped galvanized. (Typical).
- Field cut existing steel girts and beams and wood ledger beam at modified construction as required or provide new girts and beams to match existing and to connect to new columns. Shore existing construction as required prior to cutting any structural members and maintain shoring in place until new structural supports are in place.
- Remove existing wood garage doors on the north side of the building and infill openings with new wood stud walls. See Note 12.
- Support existing wood ledger beam on new 2 x 6 wood stud wall.
- New W10x33 steel beam shall be continuous over Col. A.7-2.4 and Col. A.7-1.1 and shall frame into existing beams over top of Cols. A.7-1 and A.7-3. See Typical Column Cap Plate Detail on Dwg. No. SBM-7.
- New W14x48 transfer beam to support existing Column B3 over Paint Booth. Field verify fit of beam and Paint Booth prior to fabrication of material. See Dwg. No. SBM-3, Notes E and G.
- All wood shall be Spruce Pine Fir No. 2 grade or better. Wood sills in contact with concrete shall be pressure treated.
- All nailing shall be in accordance with the International Building Code 2000, Table 2304.9.1.
- Underpin existing footings and slab on grade as required to construct new footings and foundation walls. Underpin and backfill all excavations beneath existing slab on grade and footing foundations with superplasticized concrete placed under head to ensure full contact with underside of existing slab and foundations. Submit underpinning design, calculations and details sealed and signed by a Structural Engineer licensed in the State of Illinois for review.

NOTES:

For modification elevations, sections and details see Dwg. Nos. SBM-6 and SBM-7.

**MINIMUM DESIGN LOADS
INTERNATIONAL BUILDING CODE 2000**

- FLOOR LIVE LOADS
 - Garage Floor Slab on Grade - 600 PSF
- ROOF LIVE LOAD = 20 PSF
- ROOF SNOW LOAD
 - Flat Roof Snow Load, PF = 30 PSF
 - Snow Exposure Factor, Ce = 0.9
 - Snow Load Importance Factor, I = 1.0
 - Thermal Factor, Ct = 1.0
 - Snow Drifting on Lower Roofs
- WIND LOAD DATA
 - Basic Wind Speed (3 Second Gust), Miles Per Hour = 90 MPH
 - Fastest Mile Wind Speed, Miles Per Hour = 75 MPH
 - Wind Load Importance Factor = 1.0
 - Wind Exposure = B
 - Main Wind Force Resisting System = 15 PSF
 - Components and Cladding = 25 PSF

REVISION	
DATE	DESCRIPTION

SBM-5 FR-416

SCALE: NONE