MISC0. STRUCTURAL DRAWINGS SHOW SOME ARCHITECTURAL INFORMATION WHICH IS SHOWN FOR REFERENCE ONLY. ANY DISSIMILARITY WITH FINAL ARCHITECTURAL DRAWINGS SHALL BE ASSUMED UNINTENTIONAL, HOWEVER, THE CONTRACTOR SHOULD VERIFY INTENT WITH ARCHITECT PRIOR TO STARTING ANY WORK. SOME INFORMATION IN STRUCTURAL SECTIONS AND DETAILS IS NOT DRAWN TO SCALE.

THIS DOCUMENT AND THE SUBJECTS MATTER CONTAINED THEREIN IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT PRIOR WRITTEN APPROVAL

COPYRIGHT © 2004 LINDHOUT ASSOCIATES ARCHITECTS AIA PC

FILE LOCATION: lao-2005-03-s2-2.dwg

DATE PLOTTED: 18 May 2006 TIME PLOTTED: 2:41pm

13 Section
51-1 SCALE: 1/2" = 1'-0"

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL ROOF DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/STEEL REFERENCE ELEVATION VARIES, SEE PLAN

GROUT SOLID CONCRETE MASONRY ABOVE TOP OF STEEL ROOF REFERENCE ELEVATION.

3/8" x 6" x 1'-0" +/- PLATE WITH TWO 3/4" DIA x 0'-8" LONG HEADED CONCRETE ANCHORS AT 0'-8" ON CENTER, MAXIMUM. AN EXAMPLE OF AN ACCEPTABLE HEADED CONCRETE ANCHOR IS THE S3L BY NELSON STUD WELDING, INC., ATTACH PER MANUFACUTURER'S REQUIREMENTS.

GROUT MASONRY WALL SOLID FOR TWO FULL COURSES BELOW BEARING ELEVATION.

BRICK LINTEL. L5x3½x5/16, 3'-8" LONG OR L5x3½x3/8, 6'-8" LONG, CENTERED OVER 3'-0" OR 6'-0" WINDOW OPENING, RESPECTIVELY.

BUILDING FACADE.

1'-4" CONCRETE MASONRY LITNEL. REINFORCE USING TWO #6 BARS.

0'-8" CONCRETE MASONRY WITH VERTICAL REINFORCING BARS, SPECIFIED BELOW, LOCATE PER PLAN.

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

3/4" x 3'-6" D2L BY NELSON STUD WELDING, INC., OR EQUAL.

ATTACH STEEL FLOOR DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/CONCRETE SECOND FLOOR REFERENCE ELEVATION 114'-0"

1/4" 4" AT 1'-0"

3/8" x 6" x 1'-0" +/- PLATE WITH A W10x12.

3/8"x1'-3" CONTINUOUS PLATE.

1/4"x4"x0'-9" PLATE. PLATE THICKNESS INDICATED IS A MINIMUM, VERIFY PLATE SIZE WITH JOIST MANUFACTURER PRIOR TO DETAILING.

EXTEND BOTTOM CHORD OF JOIST TO PLATE, AS SHOWN, WHERE INDICATED ON PLAN ("BCX"), TO RESTRAIN BEAM BY RESISTING A 5,600 POUND FORCE.

BUILDING FACADE.

DRILL HOLES IN STONE AS REQUIRED. EMBED DOWELS IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR.

#5 x 5'-6" LONG DOWEL AT 1'-4", ON CENTER, MAXIMUM

0'-8" CONCRETE MASONRY, GROUT SOLID.

T/CONCRETE GROUND FLOOR REFERENCE ELEVATION 100'-0"

T/CONC FDN REFERENCE ELEVATION 99'-4"

MINIMUM DIMENSION, 3'-6", FOR CODE-REQUIRED FROST PROTECTION. ADJUST BOTTOM OF FOUNDATION, AS REQUIRED, TO PROVIDE MINIMUM DIMENSION

0'-8½"

FOUR #5 CONTINUOUS HORIZONTAL CONCRETE REINFORCING BARS, TWO TOP AND TWO BOTTOM.

9 Section
51-1 SCALE: 1/2" = 1'-0"

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL ROOF DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/STEEL REFERENCE ELEVATION VARIES, SEE PLAN

GROUT SOLID CONCRETE MASONRY ABOVE TOP OF STEEL ROOF REFERENCE ELEVATION.

3/8" x 6" x 1'-0" +/- PLATE WITH TWO 3/4" DIA x 0'-8" LONG HEADED CONCRETE ANCHORS AT 0'-8" ON CENTER, MAXIMUM. AN EXAMPLE OF AN ACCEPTABLE HEADED CONCRETE ANCHOR IS THE S3L BY NELSON STUD WELDING, INC., ATTACH PER MANUFACUTURER'S REQUIREMENTS.

GROUT MASONRY WALL SOLID FOR TWO FULL COURSES BELOW BEARING ELEVATION.

BRICK LINTEL. L5x3½x5/16, 3'-8" LONG OR L5x3½x3/8, 6'-8" LONG, CENTERED OVER 3'-0" OR 6'-0" WINDOW OPENING, RESPECTIVELY.

BUILDING FACADE.

1'-4" CONCRETE MASONRY LITNEL. REINFORCE USING TWO #6 BARS.

0'-8" CONCRETE MASONRY WITH VERTICAL REINFORCING BARS, SPECIFIED BELOW, LOCATE PER PLAN.

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

3/4" x 3'-6" D2L BY NELSON STUD WELDING, INC., OR EQUAL.

ATTACH STEEL FLOOR DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/CONCRETE SECOND FLOOR REFERENCE ELEVATION 114'-0"

1/4" 4" AT 1'-0"

3/8" x 6" x 1'-0" +/- PLATE WITH A W10x12.

3/8"x1'-3" CONTINUOUS PLATE.

1/4"x4"x0'-9" PLATE. PLATE THICKNESS INDICATED IS A MINIMUM, VERIFY PLATE SIZE WITH JOIST MANUFACTURER PRIOR TO DETAILING.

EXTEND BOTTOM CHORD OF JOIST TO PLATE, AS SHOWN, WHERE INDICATED ON PLAN ("BCX"), TO RESTRAIN BEAM BY RESISTING A 5,600 POUND FORCE.

CONTRACTOR OPTION: #5 x 4'-1" DOWEL AT EACH VERTICAL CONCRETE MASONRY REINFORCING BAR. EMBED DOWEL 1'-0" INTO CONCRETE FOUNDATION IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR.

BUILDING FACADE.

DRILL HOLES IN STONE AS REQUIRED. EMBED DOWELS IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR.

#5 x 5'-10" LONG DOWEL AT 1'-4", ON CENTER, MAXIMUM.

0'-8" CONCRETE MASONRY, GROUT SOLID.

T/CONCRETE GROUND FLOOR REFERENCE ELEVATION 100'-0"

T/CONC FDN REFERENCE ELEVATION 99'-0"

#5 DOWELS, LOCATE AT EACH KEYWAY IN PRE-CAST CONCRETE PLANK. EMBED DOWEL INTO CONCRETE FOUNDATION 1'-0" IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR. 2'-0" 1'-6"

KOROLATH BEARING PAD SPECIFIED BY THE (LICENSED) SPECIALTY ENGINEER FOR THE PRE-CAST CONCRETE PLANK MANUFACTURER.)

5 Section
51-1 SCALE: 1/2" = 1'-0"

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL ROOF DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/STEEL REFERENCE ELEVATION VARIES, SEE PLAN

GROUT SOLID CONCRETE MASONRY ABOVE TOP OF STEEL ROOF REFERENCE ELEVATION.

3/8" x 6" x 1'-0" +/- PLATE WITH TWO 3/4" DIA x 0'-8" LONG HEADED CONCRETE ANCHORS AT 0'-8" ON CENTER, MAXIMUM. AN EXAMPLE OF AN ACCEPTABLE HEADED CONCRETE ANCHOR IS THE S3L BY NELSON STUD WELDING, INC., ATTACH PER MANUFACUTURER'S REQUIREMENTS.

GROUT MASONRY WALL SOLID FOR TWO FULL COURSES BELOW BEARING ELEVATION.

0'-8" CONCRETE MASONRY WITH VERTICAL REINFORCING BARS, SEE PLAN.

3/4" x 3'-6" D2L BY NELSON STUD WELDING, INC., OR EQUAL, AT EACH VERTICAL CONCRETE REINFORCING BAR.

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL FLOOR DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

DO NOT ATTACH BOTTOM CHORD OF STEEL JOISTS AT MASONRY PIERS.

T/CONCRETE SECOND FLOOR REFERENCE ELEVATION 114'-0"

1/4"

3/8" x 6" x 1'-0" +/- PLATE WITH A W10x12.

ADJUSTABLE MASONRY ANCHOR AT 2'-0", ON CENTER. AN EXAMPLE OF AN ACCEPTABLE MASONRY ANCHOR IS THE DUR-O-WAL MSSA VENEER ANCHOR WITH A DUR-O-WAL 700 SERIES TRI TIE, 0'-9" LONG. ATTACH TO STRUCUTRAL STEEL BEAM PER MASONRY ANCHOR MANUFACTURER'S REQUIREMENTS.

BUILDING FACADE.

1'-4" x 1'-4" CONCRETE MASONRY PIER WITH FOUR #6 VERTICAL REINFORCING BARS.

T/CONCRETE GROUND FLOOR REFERENCE ELEVATION 100'-0"

T/CONC FDN REFERENCE ELEVATION 99'-0"

0'-8½"

#5 DOWELS, LOCATE AT EACH KEYWAY IN PRE-CAST CONCRETE PLANK. EMBED DOWEL INTO CONCRETE FOUNDATION 1'-0" IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR. 2'-0" 1'-6"

KOROLATH BEARING PAD SPECIFIED BY THE (LICENSED) SPECIALTY ENGINEER FOR THE PRE-CAST CONCRETE PLANK MANUFACTURER.)

#5 x 6'-2" LONG DOWEL AT EACH VERTICAL CONCRETE MASONRY REINFORCING BAR.

CONTRACTOR OPTION: #5 x 4'-8" DOWEL AT EACH VERTICAL CONCRETE MASONRY REINFORCING BAR. EMBED DOWEL 1'-0" INTO CONCRETE FOUNDATION IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR.

1 Section
51-1 SCALE: 1/2" = 1'-0"

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL ROOF DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/STEEL REFERENCE ELEVATION VARIES, SEE PLAN

GROUT SOLID CONCRETE MASONRY ABOVE TOP OF STEEL ROOF REFERENCE ELEVATION.

3/8" x 6" x 1'-0" +/- PLATE WITH TWO 3/4" DIA x 0'-8" LONG HEADED CONCRETE ANCHORS AT 0'-8" ON CENTER, MAXIMUM. AN EXAMPLE OF AN ACCEPTABLE HEADED CONCRETE ANCHOR IS THE S3L BY NELSON STUD WELDING, INC., ATTACH PER MANUFACUTURER'S REQUIREMENTS.

GROUT MASONRY WALL SOLID FOR TWO FULL COURSES BELOW BEARING ELEVATION.

BRICK LINTEL. L5x3½x5/16, 3'-8" LONG OR L5x3½x3/8, 6'-8" LONG, CENTERED OVER 3'-0" OR 6'-0" WINDOW OPENING, RESPECTIVELY.

1'-4" CONCRETE MASONRY LITNEL. REINFORCE USING TWO #6 BARS.

GROUT STEEL JOIST POCKET SOLID AFTER ERECTION.

ATTACH STEEL FLOOR DECK TO TOP CHORD OF STEEL JOIST USING FOUR 5/8" DIA PUDDLE WELDS AS CLOSE TO THE ENDS OF JOISTS AS STEEL DECK PLACEMENT WILL ALLOW.

T/CONCRETE SECOND FLOOR REFERENCE ELEVATION 114'-0"

3/8" x 6" x 1'-0" +/- PLATE WITH TWO 3/4" DIA x 0'-8" LONG HEADED CONCRETE ANCHORS AT 0'-8" ON CENTER, MAXIMUM. AN EXAMPLE OF AN ACCEPTABLE HEADED CONCRETE ANCHOR IS THE S3L BY NELSON STUD WELDING, INC., ATTACH PER MANUFACUTURER'S REQUIREMENTS.

GROUT MASONRY WALL SOLID FOR TWO FULL COURSES BELOW BEARING ELEVATION.

BUILDING FACADE.

0'-8" CONCRETE MASONRY WITH VERTICAL REINFORCING BARS, SEE PLAN.

T/CONCRETE GROUND FLOOR REFERENCE ELEVATION 100'-0"

T/CONC FDN REFERENCE ELEVATION 99'-0"

0'-8½"

#5 DOWELS, LOCATE AT EACH KEYWAY IN PRE-CAST CONCRETE PLANK. EMBED DOWEL INTO CONCRETE FOUNDATION 1'-0" IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR. 2'-0" 1'-6"

KOROLATH BEARING PAD SPECIFIED BY THE (LICENSED) SPECIALTY ENGINEER FOR THE PRE-CAST CONCRETE PLANK MANUFACTURER.)

#5 x 6'-2" LONG DOWEL AT EACH VERTICAL CONCRETE MASONRY REINFORCING BAR.

CONTRACTOR OPTION: #5 x 4'-8" DOWEL AT EACH VERTICAL CONCRETE MASONRY REINFORCING BAR. EMBED DOWEL 1'-0" INTO CONCRETE FOUNDATION IN HILTI HIT HY 150 INJECTION ADHESIVE ANCHOR.

SECTIONS AND DETAILS

SCALE: NOT OT SCALE

Lindhout Associates architects aia pc
10465 citation drive, brighton, michigan 48116-9510
www.lindhout.com (810)227-5668 fax:(810)227-5855

Architecturally Engineered Structures, P.C.
Structural Engineering
Consultants
www.AEStructures.com
1118 joshua Drive
Troy, Michigan 48098-6507
Phone: 248.828.7260
Facsimile:248.828.7265

dr: MV	05.03.2006	BID PACK ONE
ck'd: MV	03.24.2006	SECOND REVIEW
app'd: MV	date	issued for

NEW RESTAURANT AND OFFICE for:
SBT, LLC
BRIGHTON, MICHIGAN

SECTIONS AND DETAILS

S2-2

0512