## STRUCTURAL STEEL GENERAL NOTES:

STRUCTURAL STEEL DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "ASS MANUAL OF STEEL CONSTRUCTION", LITEST EDITION, THE LATEST ASTN SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE, LATEST EDITION.

ALL STRUCTURAL TREEL MARKES EXCEPT WIDE FLANCES (W) AND STRUCTURAL TUBES (TS) SHALL BE ASTM A35 UNLESS OTHERWISE NOTED OTHERWAYS, ALL WIDE FLANCES SHALL BE ASTM A92 (GRADE SD) ALL STRUCTURAL TUBES SHALL BE ASTM 500 (MIN Ty=46KS)). WHERE CONNECTING TO EXISTING STEEL, CONTRACTOR TO VERIFY EXISTING DIMENSIONS AND MODIFY NEW CONNECTIONS AS REQUIRED. ALL STRUCTURAL STEEL SHALL BE MARKED AS REQUIRED BY ASTM A6/ A6M.

<u>BOLIS</u>
HIGH STRENGTH BOLTS WILL BE USED FOR ALL CONNECTIONS, THE BOLTS SHALL BE ASTA A225-A, 3/4" DIAMETER IN 13/16" DIAMETER HOLES, UNLESS NOTED ON DESIGN DRAWNIGS.

MEDING

WEDING CODE — STEEL LATEST EDITING, E700X
AWS 0.1.1 STRICTIDAEL WELDING CODE — STEEL LATEST EDITING, E700X
LOW HYDROGENE ELECTRODES FOR ASTIN ALS STEEL. ALL WRIDED JUNGS
WILL BE CESSIGNED FOR OCCUMEN FLORES STEEL AND APPRIENCE
MEDITAL AND APPLIES WELD IN A MANUFACE WHICH GENETS EXCESSIVE
HEAR AND APPLIES STEEL AS PER ANS D 10.4 (LATEST ESSUE)
MEDITAL STEEL ASSESSED AS AND A (LATEST ESSUE)
MEDITAL STEEL ASSESSED AS AND A (LATEST ESSUE)

GAMING OHEWSE NOTED ON THE DRAWNESS, USE STELL GRATING CONSTINING OF "3" x J/16" BEARNE BARS SPACED 1 3 J/16" 3, O.A., NO CROSS BARS SPACED x O.C., AS CROSS BARS

CHECKERED PLATE
A36 STEEL, 1/4" THICK MINIMUM, UNLESS NOTED OTHERWISE
ON THE DRAWMGS. FIELD WELD CHECKERED PLATE TO SUPPORT STEEL WITH 1-1/2" OF 3/16 " FILLET WELD AT 24" CENTERS FOR EACH SECTION AND AT EACH INTERMEDIATE SUPPORT, UNLESS NOTED OTHERWISE.

STAIR TREADS

UNLESS NOTED OFFENINGS ON THE DRAWNG STAIR TREADS
TO BE THE OFFENINGS OF EUGLIDOWN WINNESS OF THE TREADS TO HAVE CHECKERED PLATE NOSINGS.

STAIR TREADS TO HAVE CHECKERED PLATE NOSINGS. HANDRAIL AND TOE PLATE

HANDRAL SHALL BE 1 1/2" # SCH. 40 PRE WITH 1/4" 4" TOE PATE. HANDRAL POSTS SHALL BE SPACED NO GREATER HAN 5"-6 0"c.

9. BEAM CONNECTIONS SHALL BE SPACED NO GREATER HAN 5"-6 0"c.

WHERE ERAM CONNECTION LOUIS (IN — MURRIT) F — RETIFAL BEACTION. SHALL BE DESIGNED NO SHETCH LOUIS (IN — MURRIT)— SHETCH CONNECTION SHE (LOUIS EN )— MURRITHON LOUIS (IN — MURRITHON SHE (LOUIS EN )— MURRITHON SHE (LOUIS EN

BBACHE CONNECTIONS SHALL HAVE A MINIMUM OF TWO (2) BOLTS. ALL BBACHE CONNECTIONS SHALL DEVALOP THE FORCE STREET HAVE TO THE MEMBER BY HAVE AS THAN 10 PERCENT OF THE MEMBER THESION COMPRESSION.

ALL X-BRACHES SHALL BE CONNECTED AT THER INTERSECTION WITH AT LESST ONE BOLL IF ONE OR BOTH BRACES IS INTERSIPTED AT THE INTERSECTION OF SPACHAGO, COMPACTION SHALL DEFLOY HE CROSCES) CARBED BY THE INTERSIPTED BRACHNS.

"LIV" IS AN ABBREVIATION FOR AN UNEQUAL LEG ANGLE WHOSE LONG LEG INTERIAL.

CONNECTION OF HORIZOYIA. IEE BOLOHG SHALL BE MADE WITH A MINIMUM OF A BOLIS THEODORY THE FLANCE, UNLESS OTHERWISE SHOWN ON DRAWNINGS.

ALLOWANCE SHALL BE MADE FOR DRAW IN ALL BRACING.

GUISSEF PLATES AND, DOMECTION, ANGLES SHALL HAVE A MINIMUM INCONESS OF \$/16°.

COLUMN SPLICES SHALL BE MADE IN ACCORDANCE WITH THE DESIGN
DRAWNOS, ALL COLUMN SPLICES MUST DEVELOP THE SHEAR AND
MOMENT CAPACITY OF THE MEMBER. BEARING ENDS OF ALL COLUMNS SHALL BE MILLED. COLUMN SPLICES

12. SSIP\_LEPULTO PART — PROCESS SEED.

AND SISTEM — TOPS ALL ALL TSEEL AND CLISING SEEL.

AND SISTEM — TOPS ALL ALL TSEEL AND CLISING SEEL.

AND SISTEM — TOPS ALL ALL TSEEL AND CLISING SEEL.

BY (1) COAT OF SEERING — ALL TSEEL AND CLISING SEEL AND CLISING SEEL

IN SIGN APPLIED LIMIT - BLOG. SIEEL

PAIN SISTEM 2 - FOR MALKINKS, AND PAUTONAS.

A - SIGN SIGNACE REPRACTION-SECS-EGO COMERCIAL BLAST)

A - SIGN SIGNACE REPRACTION-SECS-EGO COMERCIAL BLAST)

B - OMF PRINCE TO A DRY FILM THICKNESS OF E.D.-4. AND SEC ALL PRINCESS OF E.D.-4. AND SEC ALL DRAWNESS

C - FRISHER COLOR—"OFFSILM", SOFECO METALL DRAWNESS

D - DO NOT PAINT MITHIN STOT AREAS PRINCET MACHINED SIGNACES OF SIMPLENT,
F - DO NOT PAINT WITHIN STOT AREAS WRIDE FELD WELLDS COLOR.

F - FELD PAINT-MIRES ATTEMPTS, SPORTED THEASTED PARES FOR SIMPLENT,
F - DO NOT PAINT WITHIN STOT AREAS WRIDE FELD WELLDS COLOR.

F - FELD PAINT-MIRES ATTEMPTS, SEC RECEIVED AND STOTE AND

SHAM\_ALOS SHOWN ON THE DRAWINGS FOR STRUCTURAL STEEL ERECTION AND LEVILING TO BE SUPPLIED AND FARRCULED BY THE STEEL FARRCULOR. HE SHIM PACK SUPPLIED SHALL ET WINCE SAS LOSS FOR THE KORMAL THROUGHESS OF SHAME REQUIRED UNLESS NOTED, GROUTING IS THE RESPONSIBILITY OF THE STEEL ERECTOR.

"LIH" IS AN ABBREVIATION FOR AN UNEQUAL LEG ANGLE WHOSE LONG LEG IS HORIZONTAL.

CONNECTION OF STRUCTURAL TEE WEBS SHALL BE MADE WITH ONE FLANGE CUT AND CHIPPED, UNLESS OTHERWISE SHOWN ON DRAWINGS. A MINIMUM OF 2 BOLTS PER WEB CONNECTION MUST BE USED.

SHIMS REQUIRED FOR SETTING AND LEVELING MECHANICAL EQUIPMENT WILL BE SUPPLIED AND INSTALLED BY THE MECHANICAL ERECTION CONTRACTOR.

ISSUM, SURPAY AND INSTALLATION OF TEAFGRAPY SADRING AND UNDERPHANNE OF EXISTING STRUCTURES OF ANY KIND IS THE TOTAL RESPONSEILTY OF THE CONTRACTOR. METHOD OF SHORBIG INCLUDING CALCULATIONS STALL BE SUBMITED TO THE FELD ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. TEMPORARY SHORING

## CONTRACTOR NOTES:

CONTRACTOR IS RESPONSIBLE FOR DETERMINIG, AND THE ABATEMENT OF ALL HAZARDOUS MATERIALS ECODUNIEED DURING CONSTRUCTION IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES.

## EXISTING CONDITIONS

AL EXERNE CONDITIONS, ELEVATIONS AND DIMENSIONS, SMALL BE FIELD VIBERED OF THE CONTRICTION PROPERTY OF ANY CONSTRICTION, OR MATERIAL PRICEIDS. ALL DISCREPANCES SMALL BE BROADERT TO THE MALEDIATE A TENTION OF THE DISCREPANCE SMALL BE SISTEMED UNTIL DENDRICE REPORTS AND OLD WITES RECONSTRUCTIONIONS.



**% 550e**°

SSOE, Inc. 1001 Medison Ave. Toledo, OH 43604 T. (419) 235-3630 Project W 017-01027-00

SCALE: NONE
DSN/DRW
CHECKED BY
APPR. BY
PROJ. ENG.
JF DRASION

STEEL GENERAL NOTES

S304 FURNACE REBUILD
ETOWAH, TN
DRAWNIG COM See PRAWING ETW-1700- STR -3905







