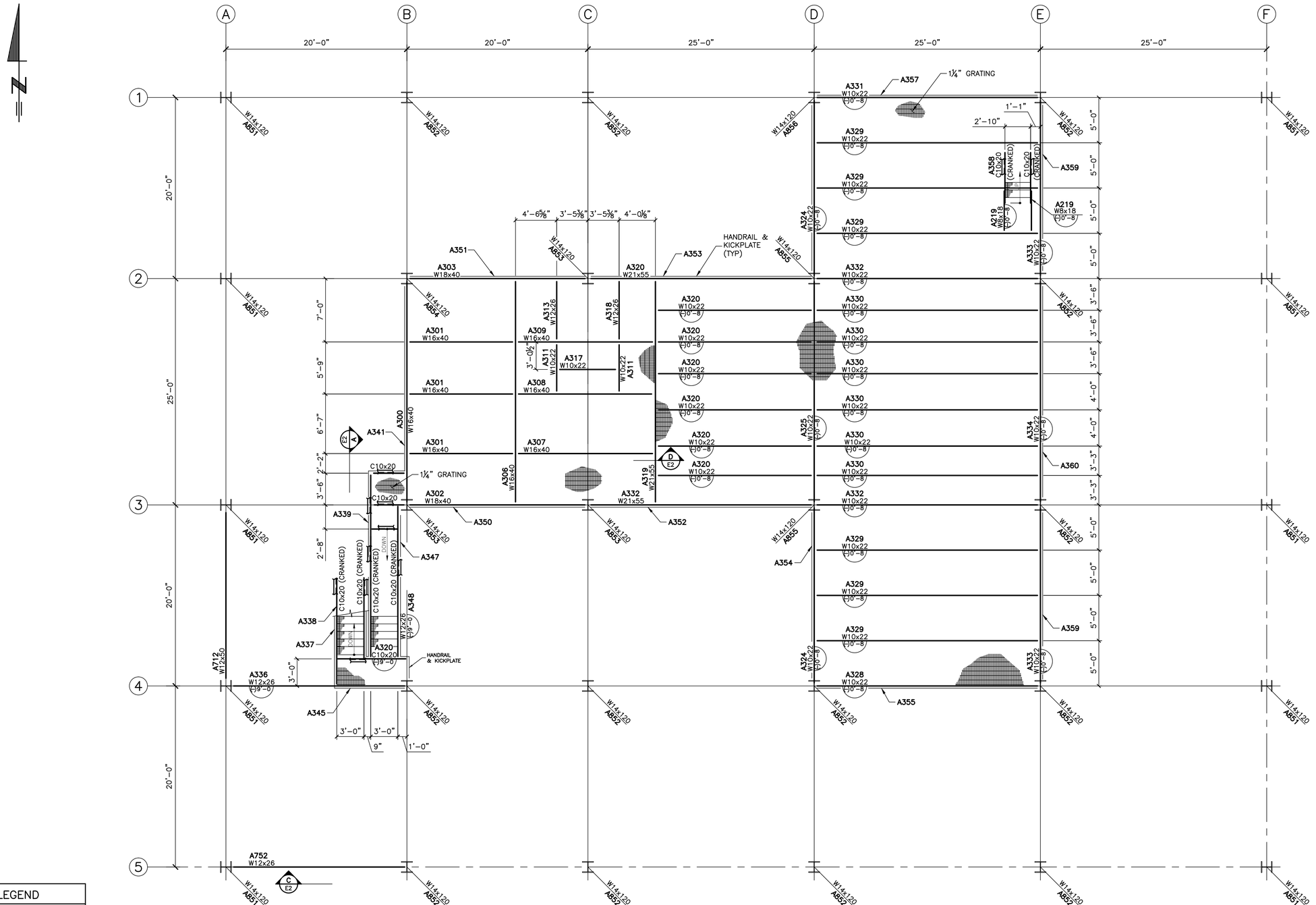

PLAN @ T.O.S. EL. 1256'-0"

1. FABRICATE AND ERECT STRUCTURAL STEEL TO CSA S16-09.
2. UNLESS EXISTING STEEL SECTIONS ARE EXPLICITLY ALLOWED TO BE REUSED, PROVIDE STRUCTURAL TO CSA G40.21-LATEST EDITION WITH THE FOLLOWING GRADES:
   - WIDE FLANGE BEAMS 350W
   - CHANNELS AND ANGLES 300W
   - HSS SECTION (CLASS 'C') 350W
   - STRUCTURAL BARS AND PLATES 300W
   - MISCELLANEOUS STEEL 300W
   - ANCHOR BOLTS TO ASTM F1554
3. FABRICATOR TO BE CERTIFIED AS A DIVISION 1 OR 2 COMPANY UNDER CSA W47.1-03. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.
4. DIMENSIONS SHOWN ARE TO CENTER LINES OF SECTIONS AND TO BACK OF CHANNELS OR ANGLES. ELEVATIONS SHOWN ARE TO TOP OF STEEL U/N.
5. PROVIDE ERECTION BOLTS TO ASTM A325M, MINIMUM ø¾". DESIGN BOLTED CONNECTIONS TO ASTM A325 FOR THREADS EXCLUDED FROM SHEAR PLANE. TIGHTEN BOLTS BY THE "TURN OF NUT" METHOD TO BOLT TENSIONS SPECIFIED IN CSA S16-01.
6. WELD TO CSA W59-M85 BY FABRICATORS QUALIFIED TO CSA W47.1-03.
7. FIELD WELDING AND FIELD MODIFICATION OF STRUCTURAL STEEL SHALL NOT BE ALLOWED WITHOUT PRIOR REVIEW AND APPROVAL BY THE ENGINEER.
8. TEMPORARY BRACING DURING CONSTRUCTION TO BE DESIGNED BY CONTRACTOR. ERECTION BRACING SHALL BE REMOVED ONLY AFTER PERMANENT FLOOR DIAPHRAGMS, ROOF DIAPHRAGMS, SHEAR WALLS AND PERMANENT BRACING ARE COMPLETED.
9. CONNECTIONS NOT DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR. CONNECT FOR 60% OF SHEAR CAPACITY OF BEAM.
   1. BOLTS – A325 3/4" (MIN.) MINIMUM 2 BOLTS PER CONNECTION. BRACING OR MEMBERS SUBJECT TO STRESS REVERSAL SHALL BE FRICTION TYPE. (MASK CONTACT SURFACES BEFORE PAINTING.)
   2. MINIMUM WELDS FOR CONNECTIONS SHALL BE ⅜" FILLET WELD AND WHERE EXPOSED IN FINISHED BUILDING WELD SHALL BE GROUND SMOOTH.
10. PROVIDE STIFFENER/BEARING PLATES ON BOTH SIDES OF W-SHAPE AND ON ONE SIDE OF C-SHAPE BEAMS AT ALL LOCATIONS WHERE CONCENTRATED LOADS OCCUR AND AT BEARING SUPPORTS. EACH STIFFENER SHALL EQUAL HALF THE BEAM WIDTH, BE FULL HEIGHT BETWEEN FLANGES, AND HAVE A MINIMUM THICKNESS OF 5/16" BUT SHALL NOT BE THINNER THAN THE WEB OF THE BEAM.
11. PROVIDE CLOSURE PLATES AT ALL OPEN ENDS OF ALL HSS MEMBERS AND SEAL WELD. PLATE THICKNESS TO EQUAL WALL THICKNESS OF HSS MEMBER.
12. GROUT UNDER BEARING PLATES INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATION.
13. CLEAN ALL STEEL PRIOR TO PAINTING AND PAINT STEEL SURFACES AS PER CLIENT SPECIFICATION.
14. ALL STAINLESS STEEL ANCHORS TO BE PROVIDED WITH WASHER AND SLEEVE NEOPRENE.
15. SURVEY AND VERIFY ACTUAL SETTING OUT DIMENSIONS OF EXISTING STRUCTURE.
16. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW PROFILES, SIZES, SPACING AND LOCATION OF STRUCTURAL MEMBERS, CONNECTIONS, ATTACHMENTS, REINFORCING, ANCHORAGE, FRAMED OPENINGS, SIZES AND TYPES OF FASTENERS CAMBER AND LOADS, ACCESSORIES, COLUMN ANCHOR BOLT LOCATIONS, SETTING DETAILS AS WELL AS FABRICATION AND ERECTION DOCUMENTS AND MATERIALS LISTS. SHOP DRAWINGS SHALL BE SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.

LEGEND

(N) – NEW STEEL MEMBER
(E) – EXIST'G STEEL MEMBER
(M) – EXIST'G STEEL MEMBER MODIFIED & REUSED
(R) – NEWLY INSTALLED STEEL FROM SALVAGED STOCK

REVISIONS

NO.	DESCRIPTION	BY	CHK	DATE

REVISIONS

NO.	DESCRIPTION	BY	CHK	DATE
0	ISSUED FOR APPROVAL	WHG	BDT	03-MAR-14

STAMP

KENLIN DESIGN GROUP

DWN. BY WHG	DATE 28-FEB-2014
DESIGN BY EDC	DATE 28-FEB-2014
CHK'D. BY BDT	DATE 03-MAR-2014

PROJECT

TITLE
STRUCTURAL STEEL – PLAN
@ T.O.S. EL. 1256'-0"
BETWEEN GRIDLINE 'A TO F' AND '1 TO 5'

SCALE 3/16"=1'-0" | JOB No. 125-02 | DWG. No. 040125-E1 | 0 REV.

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