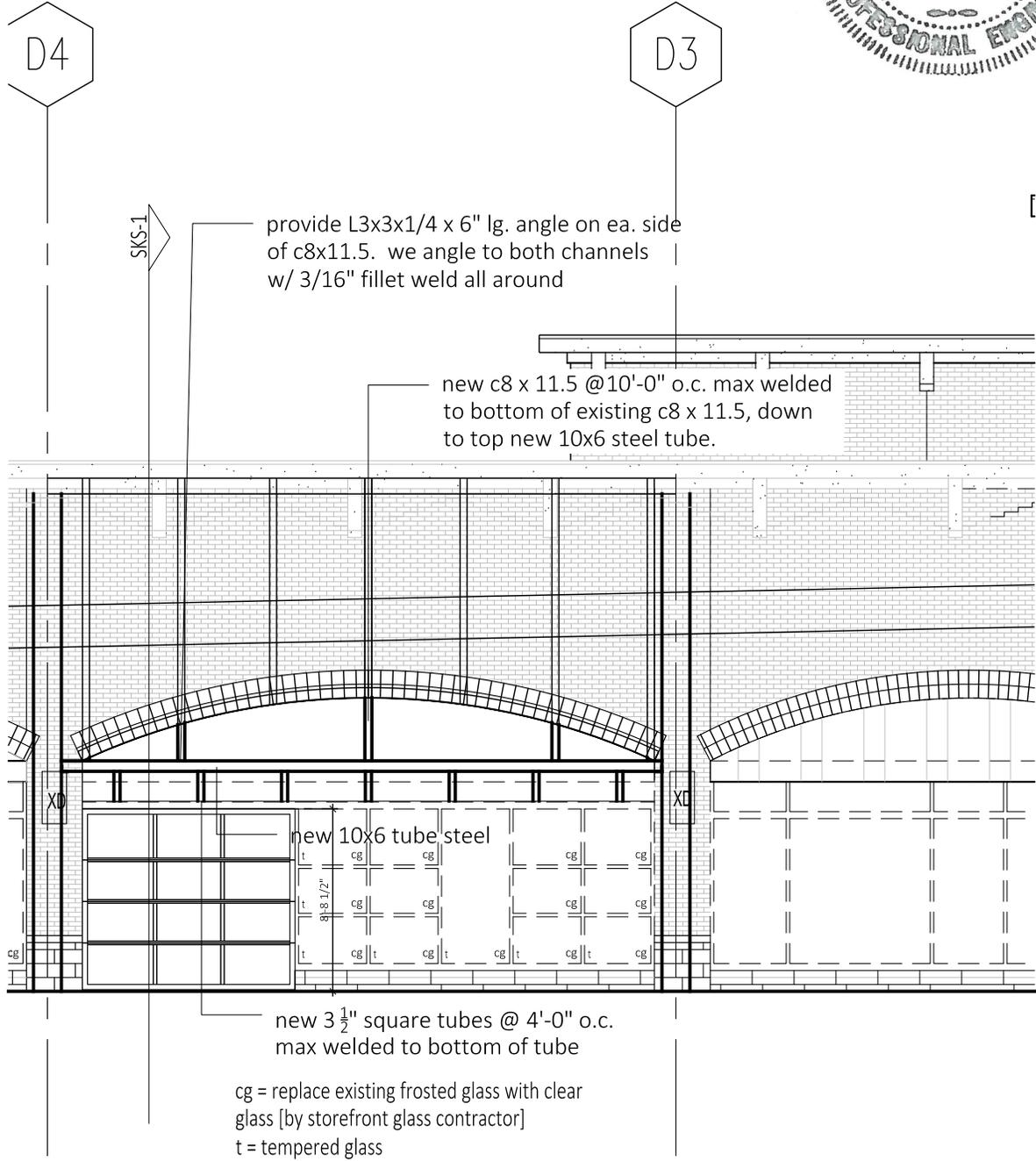
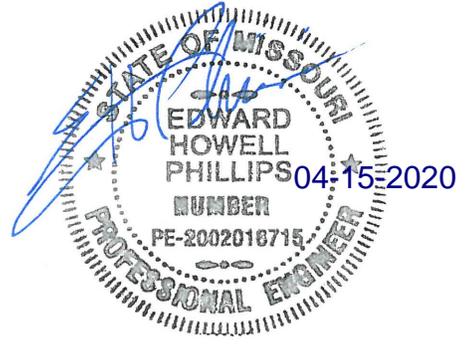


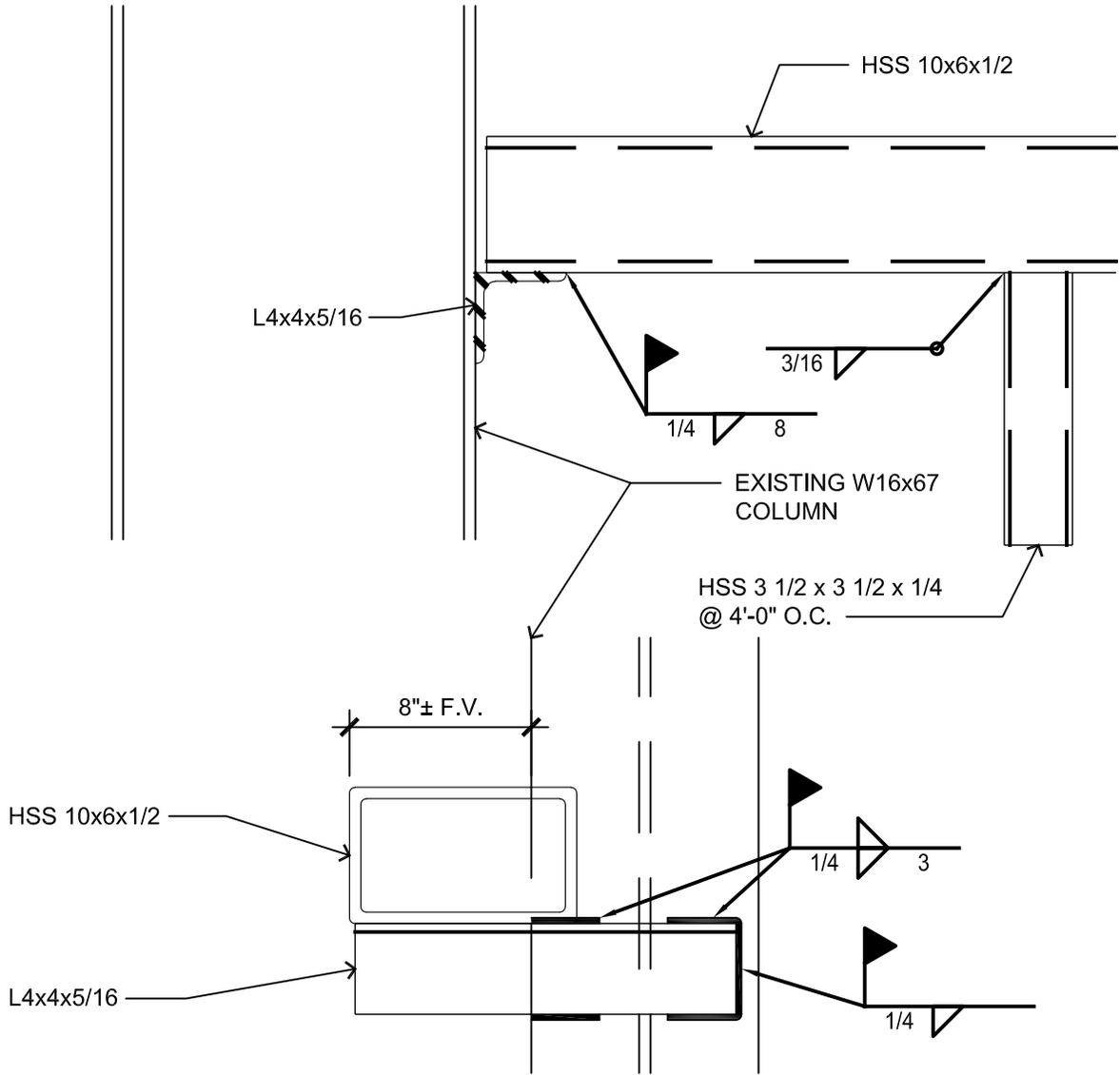
SKS-1

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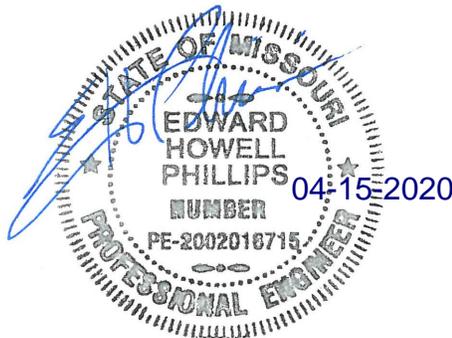


SKS-2

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**SECTION**  
 SCALE: 1 1/2" = 1'-0"



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SKS-3

# GENERAL STRUCTURAL NOTES

GOVERNING BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE (IBC) AND ITS APPROPRIATE SUPPLEMENTS.

DESIGN LOADS:

GRAVITY:

|  |        |
|--|--------|
| ROOF LIVE LOAD                                     | 20 PSF |
| GROUND SNOW LOAD; $P_g$                            | 20 PSF |
| FLAT-ROOF SNOW LOAD; $P_f$ (INCLUDES RAIN ON SNOW) | 20 PSF |
| SNOW EXPOSURE FACTOR; $C_e$                        | 1.0    |
| SNOW IMPORTANCE FACTOR; $I_s$                      | 1.1    |
| THERMAL FACTOR; $C_t$                              | 1.0    |
| (SNOW DRIFT LOADING IN ACCORDANCE WITH ASCE 7-10)  |        |

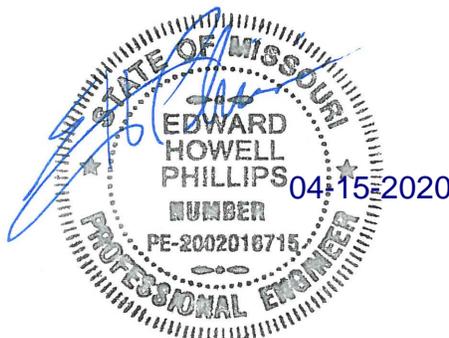
WIND:

|                               |            |
|-------------------------------|------------|
| BASIC WIND SPEED              | 115 MPH    |
| WIND IMPORTANCE FACTOR; $I_w$ | 1.0        |
| BUILDING CATEGORY             | II         |
| EXPOSURE CATEGORY             | B          |
| INTERNAL PRESSURE COEFFICIENT | $\pm 0.18$ |

GENERAL:

1. THESE NOTES SUPPLEMENT THE SPECIFICATIONS WHICH SHOULD BE REFERRED TO FOR ADDITIONAL INFORMATION. ANY CONFLICT AND/OR CONTRADICTION OF TERMS OR REQUIREMENTS WITH THESE GENERAL NOTES WILL BE RESOLVED BY THE ARCHITECT/ENGINEER IN FAVOR OF THE MORE STRINGENT OR SUPERIOR QUALITY REQUIREMENT.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND FOR COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND THE EXISTING CONDITIONS. IF ERRORS OR DISCREPANCIES IN THE DIMENSIONS OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL VERIFY ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL OPENINGS, SIZES, AND LOCATIONS, WITH THE STRUCTURAL DRAWINGS.
4. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SHORING AS REQUIRED DURING CONSTRUCTION TO ENSURE THE SAFETY OF ALL INDIVIDUALS INVOLVED.
5. FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR INFERRED BY

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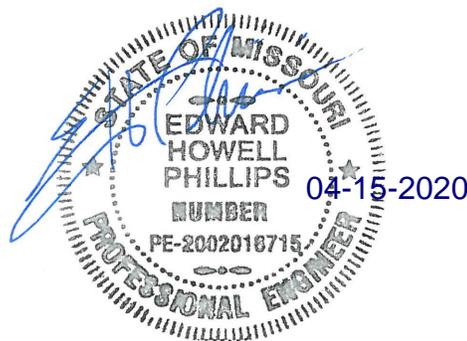
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# STRUCTURAL STEEL

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1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:

|                                     |                             |
|-------------------------------------|-----------------------------|
| STRUCTURAL STEEL                    | ASTM A992, $F_y = 50$ KSI   |
| MISCELLANEOUS STEEL                 | ASTM A36                    |
| HOLLOW STRUCTURAL STEEL TUBES (HSS) | ASTM A500, GRADE B          |
| STEEL PIPE                          | ASTM A501, ASTM 53, GRADE B |
2. ALL STRUCTURAL STEEL SHALL HAVE ONE COAT OF RUST INHIBITIVE PRIMER CONFORMING TO SPECIFICATIONS. FIELD TOUCH-UP ALL UNPAINTED AREAS AND WELD AREAS.
3. WELDING SHALL CONFORM TO THE LATEST PUBLICATION OF APPLICABLE CODES SET FORTH BY THE AMERICAN WELDING SOCIETY. NO UNAUTHORIZED WELDS WILL BE ACCEPTED.
4. WHERE CONCENTRATED LOADS OCCUR ON STEEL JOISTS BETWEEN PANEL POINTS, BRACING (STRENGTHENING) OF JOISTS SHALL BE PROVIDED AS SHOWN IN THESE DRAWINGS.
5. SEE ARCHITECTURAL DRAWINGS FOR A MISCELLANEOUS STEEL, BRICK SUPPORTS, OPENING FRAMES, NAILS HOLES, ATTACHMENTS, ETC.
6. ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS SHALL BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE.



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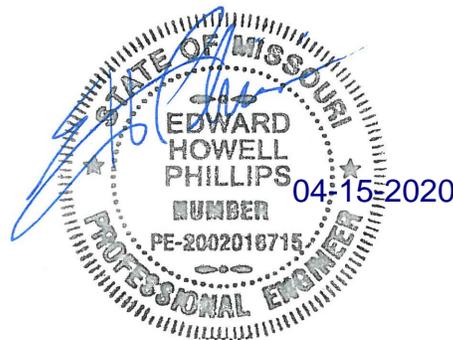
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# LIGHT GAGE STEEL FRAMING

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1. ALL LIGHT GAGE STEEL FRAMING SHALL BE BY CLARK-DIETRICH OR APPROVED EQUAL. LIGHT GAGE STEEL FRAMING NOT SIZED ON THE DRAWINGS SHALL BE DESIGNED BY THE LIGHT GAGE STEEL FRAMING CONTRACTOR UNDER THE DIRECTION OF A MISSOURI P.E. WHOSE ORIGINAL SEAL SHALL BE AFFIXED TO THE SHOP DRAWINGS AND COPIES OF THE CALCULATIONS.
2. METAL STUDS SHALL MEET THE FOLLOWING CRITERIA:
  - PAINTED: 14 AND 16 GAGE, ASTM A1011, GRADE 50  
18 AND 20 GAGE, ASTM A1008, GRADE C
  - GALVANIZED: 14 AND 16 GAGE, ASTM A653, GRADE D  
18 AND 20 GAGE, ASTM A653, GRADE A
3. ALL LIGHT GAGE STEEL FRAMING SHALL BE INSTALLED WITH BRIDGING, BRACING, TRACK, AND STIFFENERS, ETC., AS REQUIRED TO STRICTLY CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL OBTAIN A COPY OF THE MANUFACTURER'S SUGGESTED CONSTRUCTION DETAILS TO USE AS A REFERENCE DURING CONSTRUCTION.
4. ALL STRUCTURAL LIGHT GAGE STEEL FRAMING SHALL BE CONNECTED WITH USG TYPE S-12 LOW PROFILE HEAD SCREWS UNLESS NOTED OTHERWISE.
5. ALL LOAD BEARING STUDS SHALL BE SEATED TIGHT TO TRACK WEB.
6. ALL PARTITION WALLS (INTERIOR OR EXTERIOR) LOCATED UNDER STEEL BEAMS SHALL BE INSTALLED W/ A "VERTICAL SLIP CONNECTION" BETWEEN THE TOP TRACK AND THE TOP OF THE STUDS.
7. WHERE GYPSUM SHEATHING IS NOT REQUIRED ON BOTH FACES OF STEEL STUDS, CONTINUOUS BRIDGING SHALL BE INSTALLED AS REQUIRED BY THE MANUFACTURER.
8. METAL STUD SUPPLIER SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL BRACING AS SHOWN IN THE STRUCTURAL SECTIONS, AT THE TOPS OF ALL INTERIOR PARTITION WALLS (INCLUDING BUT NOT LIMITED TO MASONRY WALLS).
9. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS



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