

PARTIAL ROOF FRAMING PLAN
 3/4" = 1'-0"

ROOF DESIGN LOADS:
 SNOW LOAD: 36 PSF
 PLATFORM LIVE LOAD = 50 PSF (SHOWN HATCHED)
 DEAD LOAD: 15 PSF
 NEW ROOF TOP UNITS: AS NOTED ON PLAN

EXISTING COLUMNS ALONG GRID 60 ARE W10x33
 EXISTING COLUMNS ALONG GRID 61 BETWEEN GRIDS E-H ARE W14x43
 BETWEEN GRIDS M-Q-T-W ARE W10x33

CONFIRM LOCATIONS OF BEAMS WITH MECH UNIT SHOP DRAWINGS AND EXISTING SITE CONDITIONS PRIOR TO FABRICATION. COORDINATE LOCATIONS OF ALL REQUIRED UNIT SUPPLIER PRIOR TO FABRICATION. PROVIDE ADDITIONAL W8x10 BEAMS AS REQUIRED.

GENERAL NOTES

- STRUCTURAL DESIGN BASED ON THE NATIONAL BUILDING CODE OF CANADA 2010 EDITION AND THE 2011 MANITOBA AMENDMENTS.
 - IMPORTANCE CATEGORY: NORMAL
 - WIND LOAD: 450 = 9.4 P.S.F.
 - GROUND SNOW LOAD: 50 = 39.5 P.S.F.
 - ASSOCIATED RAIN LOAD: 4.2 P.S.F.
- SEISMIC SITE CLASSIFICATION: NOT APPLICABLE
- DO NOT SCALE DRAWINGS
- ALL DIMENSIONS ARE TO BE VERIFIED WITH THE PROJECT DRAWINGS AND EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION
- THESE STRUCTURAL DRAWINGS SHOW THE COMPLETED STRUCTURE AND DO NOT INDICATE ALL COMPONENTS NECESSARY FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON AND AROUND THE JOBSITE DURING CONSTRUCTION
- THE EXISTING STRUCTURE INCLUDING FOUNDATIONS AFFECTED BY THE WORK INDICATED IN THIS DRAWING HAS BEEN CHECKED AND DETERMINED ADEQUATE FOR THE IMPOSED LOADING
- MECHANICAL UNITS AND STRUCTURAL STEEL SHALL BE OBTAINED FROM OSBORNE STREET SIDE OF EXISTING BUILDING. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS AND COORDINATION WITH PUBLIC WORKS FOR PERMITS, BARRIER, SIGNALS, ETC. TO ACCOMPLISH DRAWING PROCEDURES. ALTERNATIVELY, CONTRACTOR MAY CRANE FROM BUILDING PROPERTY, BUT IT MUST OCCUR ON THE WEEKEND AND NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR PREMIUM OVERTIME WORK

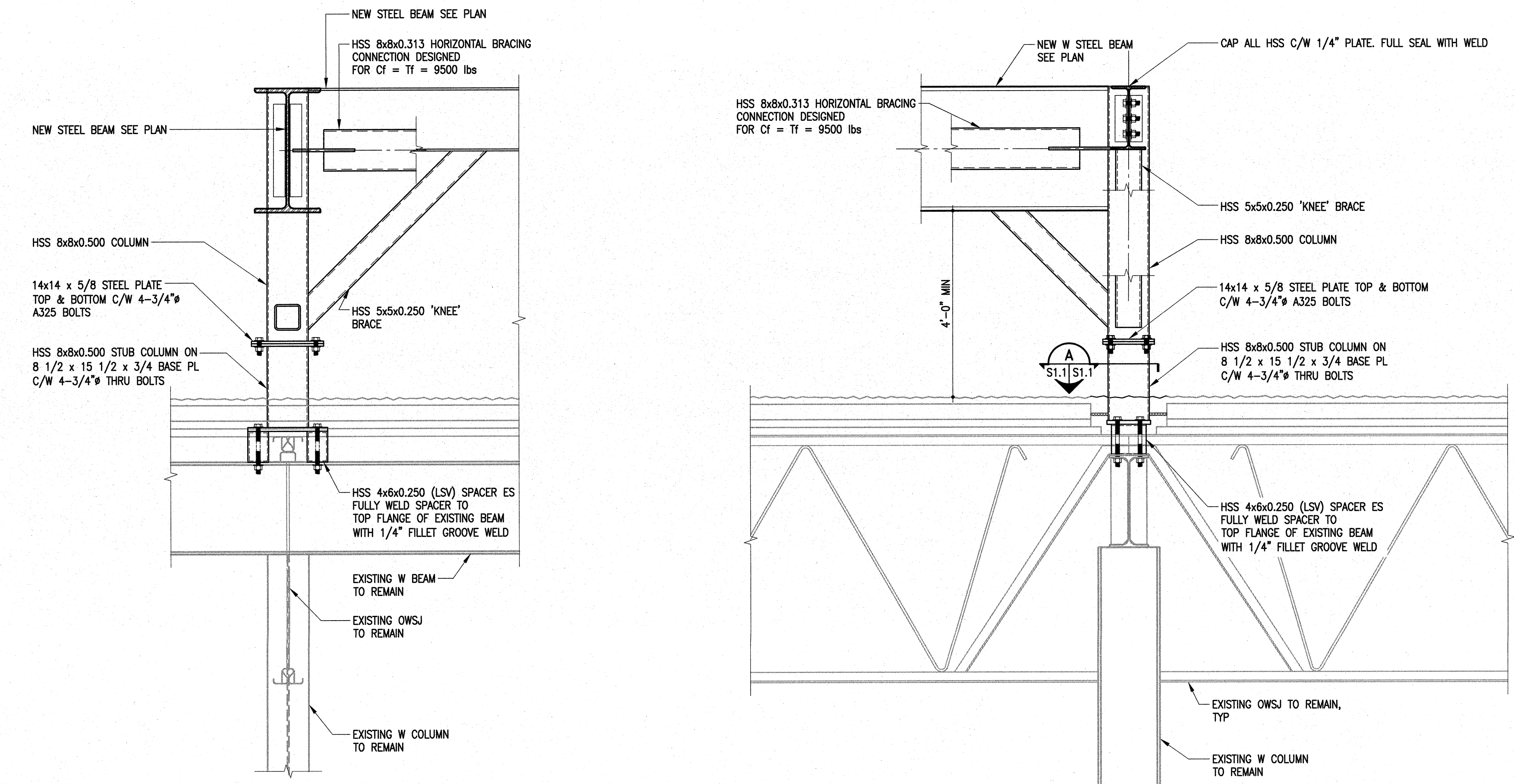
MISCELLANEOUS METAL - STEEL STAR AND GUARDRAILS

- STEEL STAR AND GUARDRAIL SUPPLIER IS TO SUBMIT ENGINEERING DRAWINGS BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA FOR REVIEW BY THE PROJECT ENGINEER, PRIOR TO FABRICATION. ENGINEER SHOP DRAWINGS SHALL INCLUDE DESIGN LOADS, LAYOUT PLAN, CONNECTION DETAILS, AND ALL OTHER PERTINENT INFORMATION
- STEEL STAR AND GUARDRAIL SUPPLIER/DESIGNER SHALL PROVIDE A FINAL INSPECTION AND A LETTER SEALED BY THE ENGINEER RESPONSIBLE FOR THE STAR AND GUARDRAIL DESIGN, CERTIFYING THAT STARS AND GUARDRAILS ARE CONSTRUCTED AND INSTALLED AS PER DESIGN ASSUMPTIONS AND INSTALLATION REQUIREMENTS

ALL HOLES IN EXIST ROOF TO BE FILLED IN WITH 1 1/2" DEEP 18GA METAL ROOF DECK C/W 3/4" PUDDLE WELD @ 12" O/C AROUND PERIMETER. EXTEND MIN 6" BEYOND EDGE OF OPENING IN ALL DIRECTIONS.

THE EXIST ROOF HAS BEEN DESIGNED FOR 36 psf LIVE LOAD. THE CONTRACTOR IS TO DETERMINE AN APPROPRIATE METHOD OF TRANSPORTING MATERIALS & MECHANICAL UNITS TO THE FINAL LOCATION WITHOUT EXCEEDING THIS DESIGN LOAD. ANY TRANSPORTATION METHOD SHOULD ENSURE PROTECTION OF THE EXIST ROOF SURFACE & UNDERLYING INSULATION. CONTRACTOR TO SUBMIT SEALED SHOP DRAWINGS TO ADDRESS MEANS AND METHODS OF INSTALLATION.

INFILL EXIST OPENINGS IN MASONRY WALL WITH MATCHING WIDTH BLOCKS. MIN BLOCK STRENGTH 15 MPa. TYPE S MORTAR MUST BE USED. MASON TO REMOVE ANY PARTIAL BLOCKS FRAMING THE CURRENT OPENING PRIOR TO INFILLING.

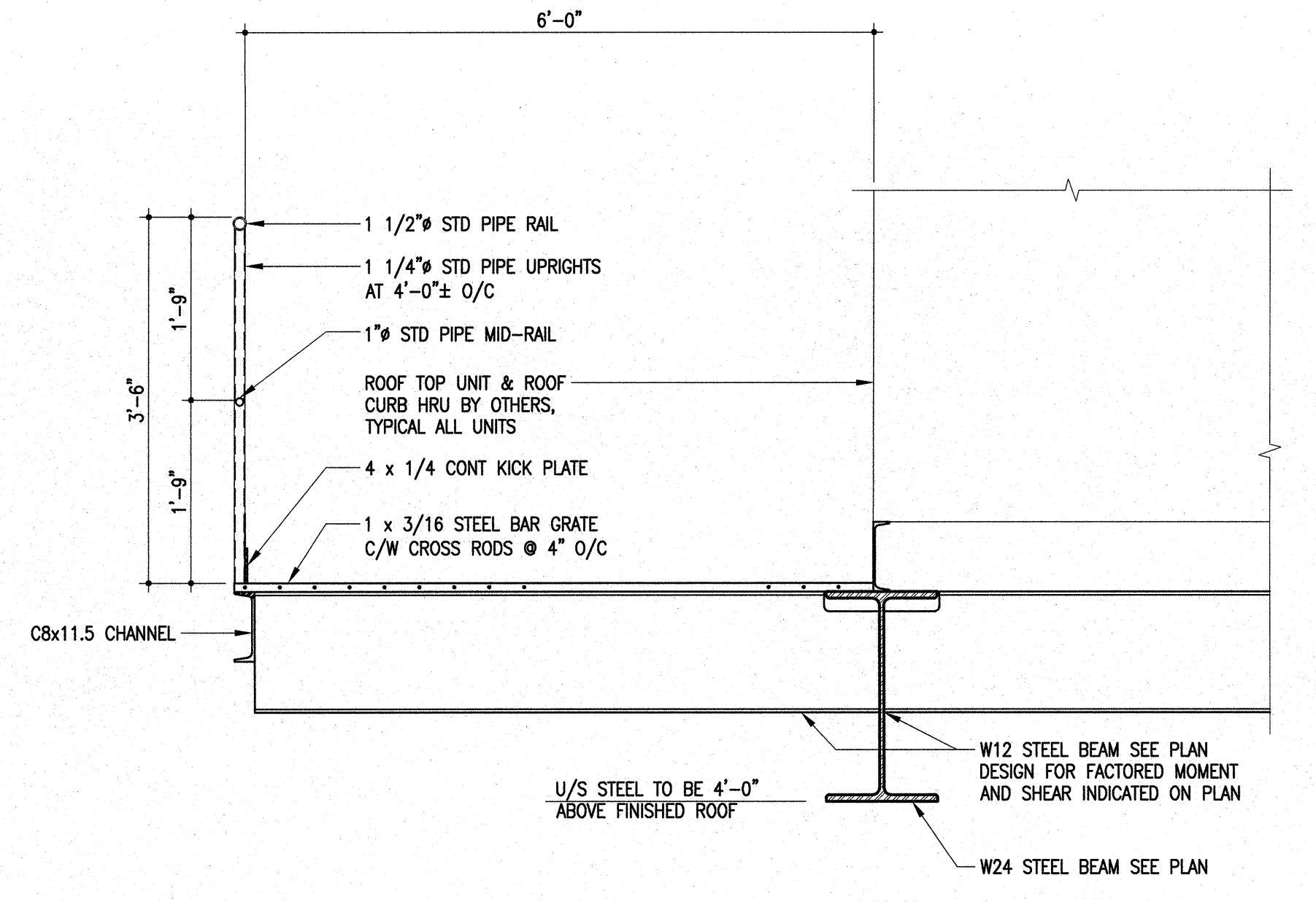


1 SECTION
 S1.1|S1.1 3/4" = 1'-0"

2 SECTION
 S1.1|S1.1 3/4" = 1'-0"

STEEL SUPPLIER TO DESIGN ALL CONNECTIONS NOT SPECIFICALLY DETAILED ON THESE DRAWINGS.

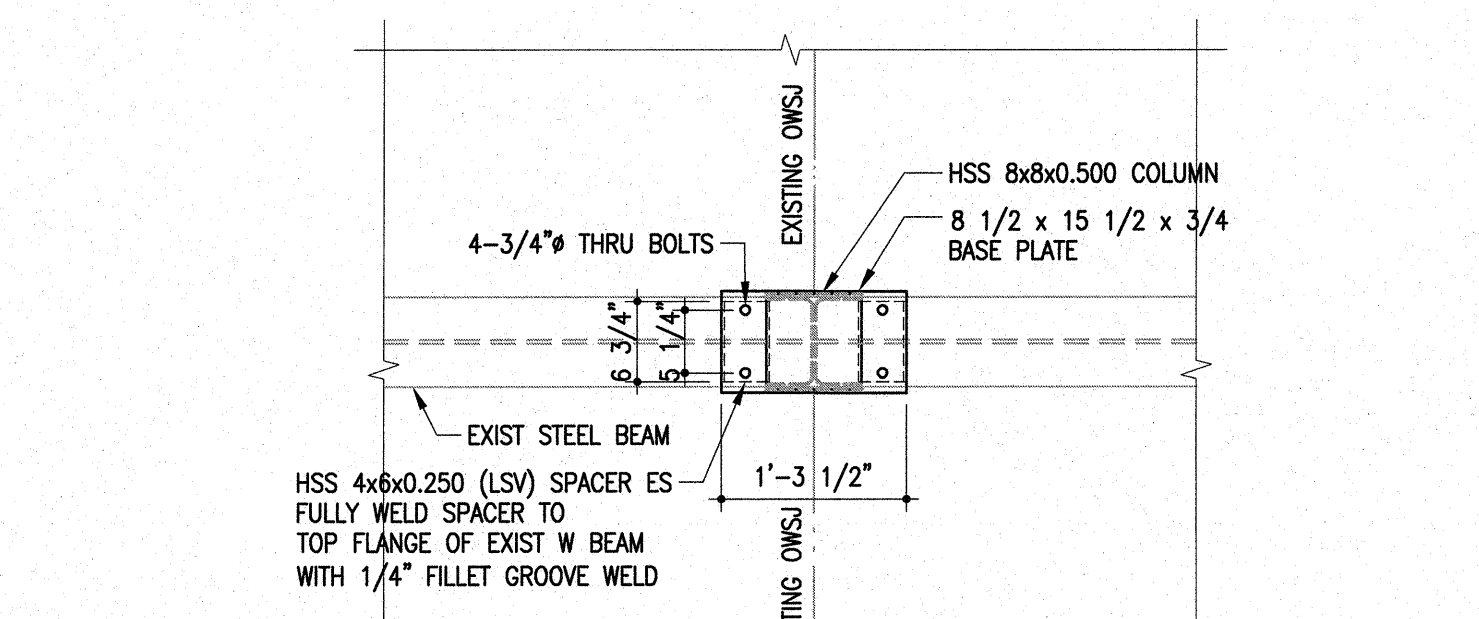
NOTE: CONTRACTOR IS TO CUT OUT EXISTING ROOFING, INSULATION & STEEL DECKING AT EACH NEW COLUMN LOCATION TO ALLOW FOR THE BASE PLATE TO BE INSTALLED DIRECTLY ON TOP OF THE NEW STEEL HSS SPACERS. ONCE THE COLUMNS ARE INSTALLED, THE CONTRACTOR IS RESPONSIBLE FOR RE-ROOFING AROUND EACH NEW COLUMN



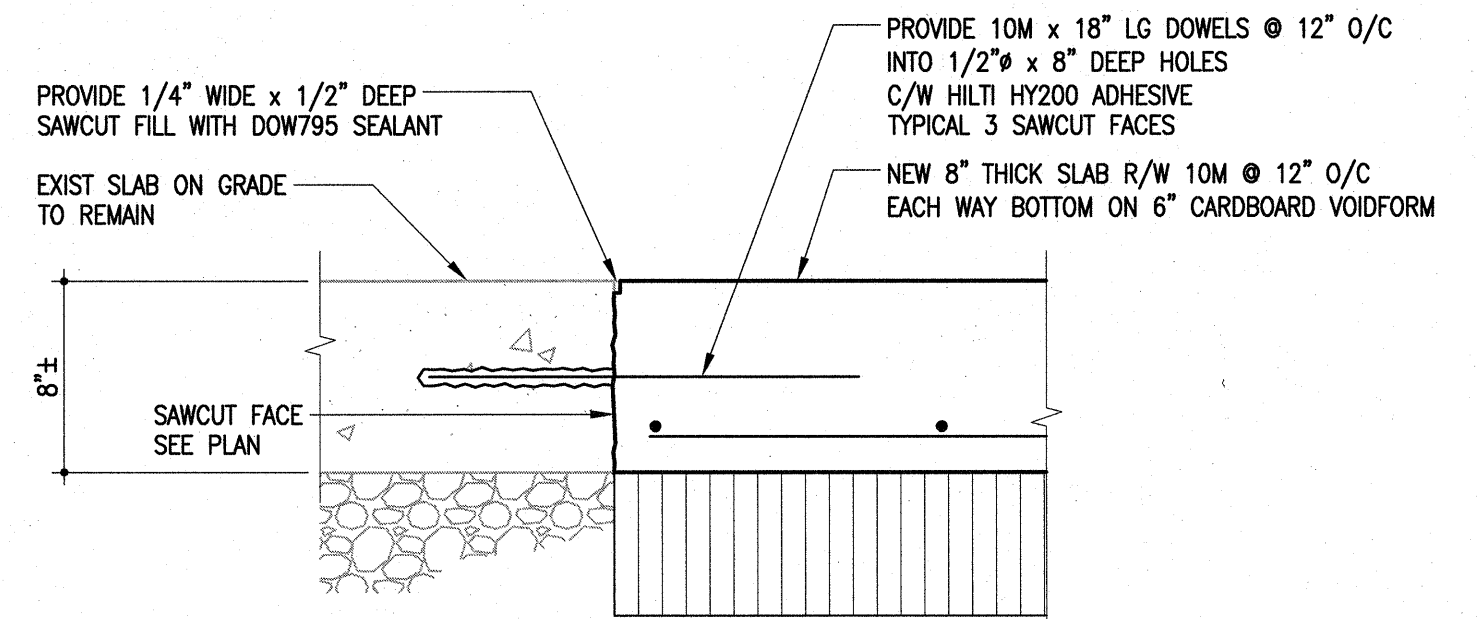
3 SECTION
 S1.1|S1.1 3/4" = 1'-0"

B SAWCUT PLAN DETAIL ON GRADE
 S1.1|S1.1 3/4" = 1'-0"

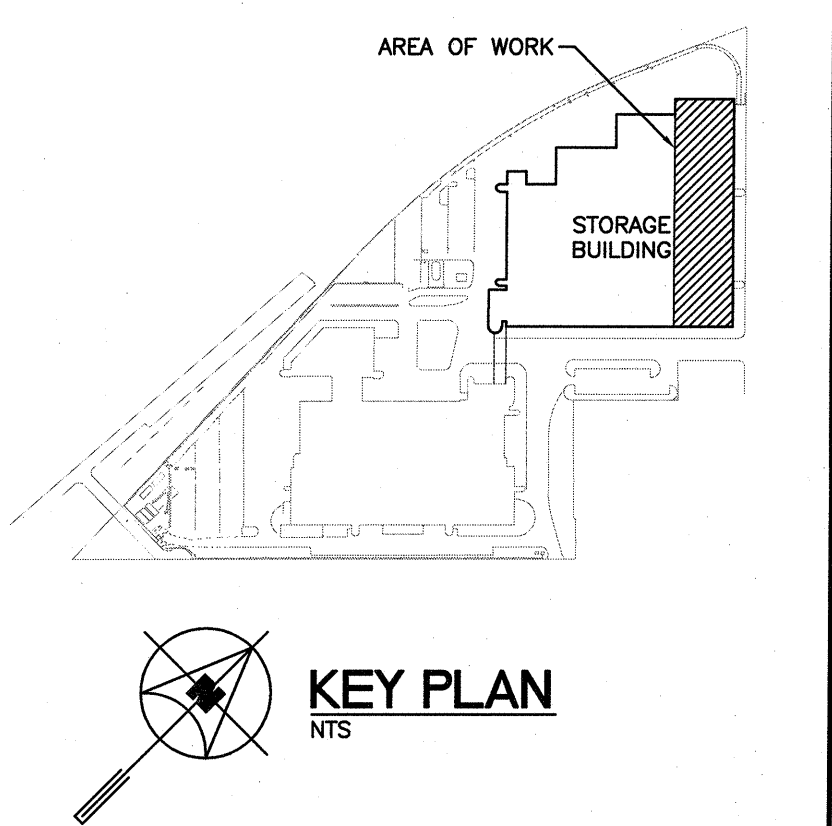
- CONCRETE TO BE 32 MPa TYPE C-10000
- PROVIDE 1 1/2" CLEAR COVER TO REINFORCING. ALL REINFORCING TO BE CSA C30.18 MIN Fy=400 MPa



A DETAIL
 S1.1|S1.1 3/4" = 1'-0"



C SLAB INFILL DETAIL
 S1.1|S1.1 1 1/2" = 1'-0"



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Crosier Kilgour & Partners Ltd.
 CONSULTING STRUCTURAL ENGINEERS

NO.	Description	BY	DATE
0	Issued for Construction	JAL	18/01/20
1		DOMMY	

ENGINEERS GEOSCIENTISTS
MANITOBA
 Certificate of Authorization
 Crozier Kilgour & Partners Ltd.
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SMS ENGINEERING

CITY OF WINNIPEG FORT ROUGE
 TRANSIT BASE - STORAGE TRUCK
 25-36 - MECHANICAL UPGRADE

WINNIPEG MANITOBA
PARTIAL ROOF FRAMING PLAN
 SECTIONS & DETAIL
 GENERAL NOTES

Drawn By	Checked By	Approved By
SAS	JAL	JAL

Scale	Date	Project No.
AS NOTED	JANUARY 2020	19-302-01

Revision Number	Drawing Number	Sheet Order
0	S1.1	1 OF 1