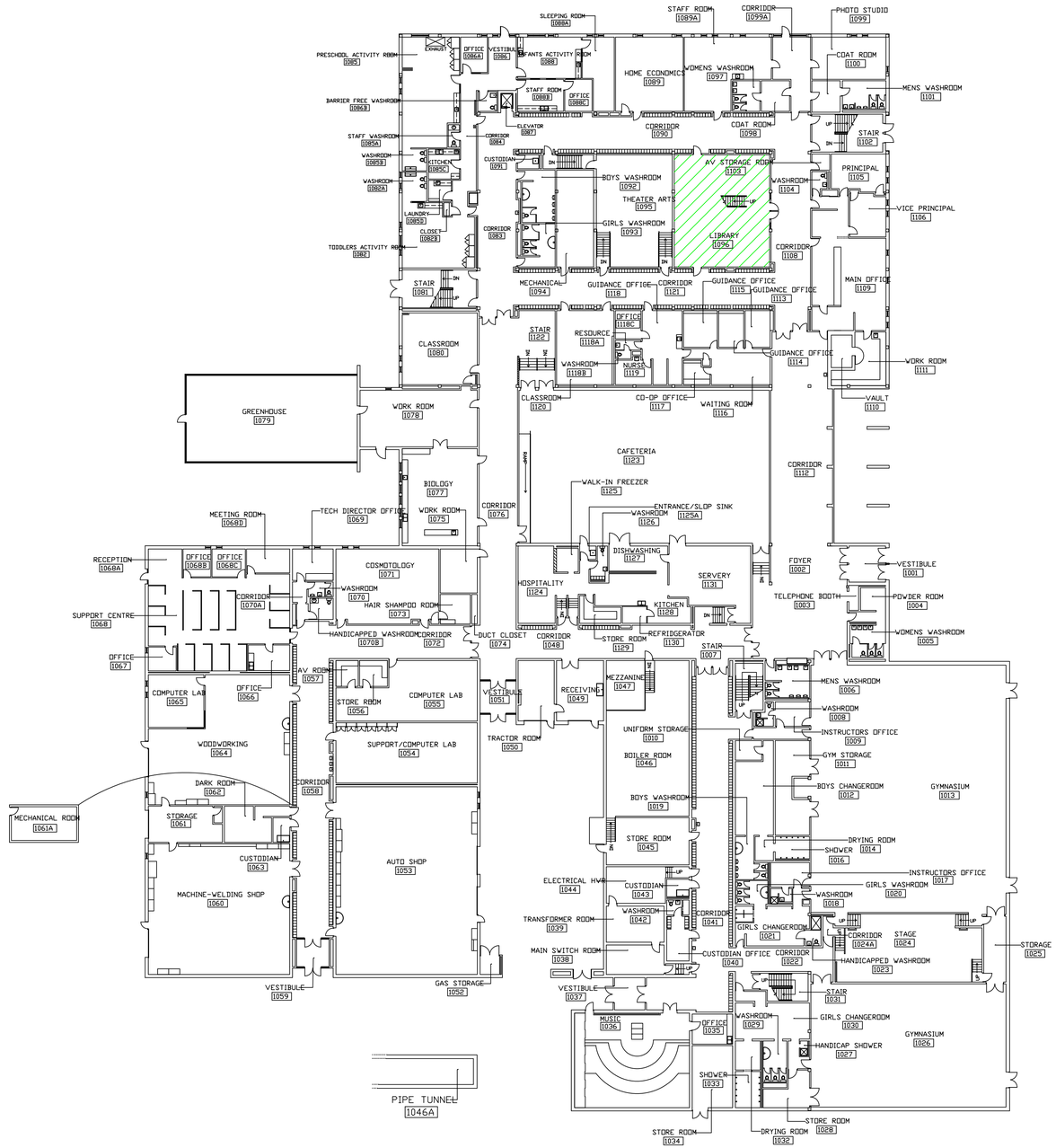
TENDER DRAWINGS

Refer to next page.



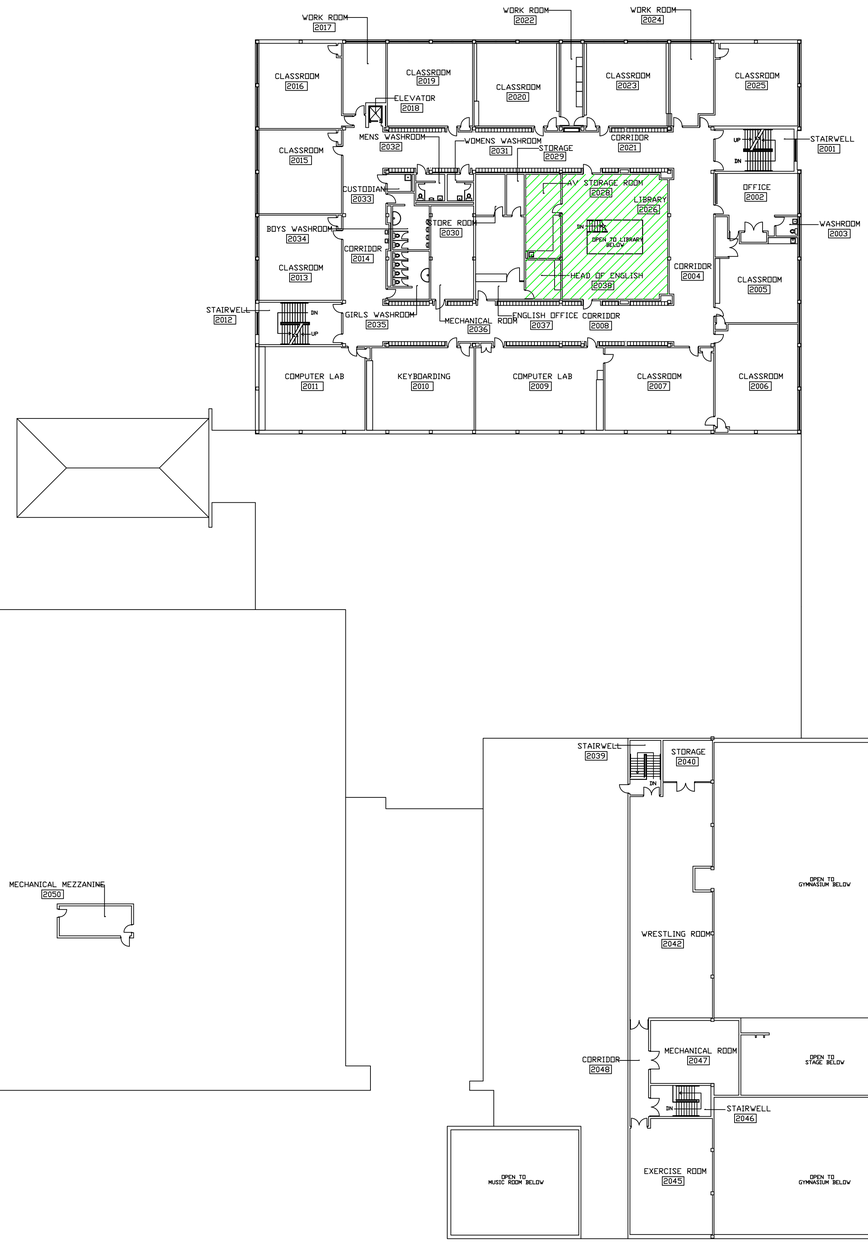
AREA OF WORK

GRAND ERIE DISTRICT SCHOOL BOARD

HAGERSVILLE SECONDARY

1ST FLOOR

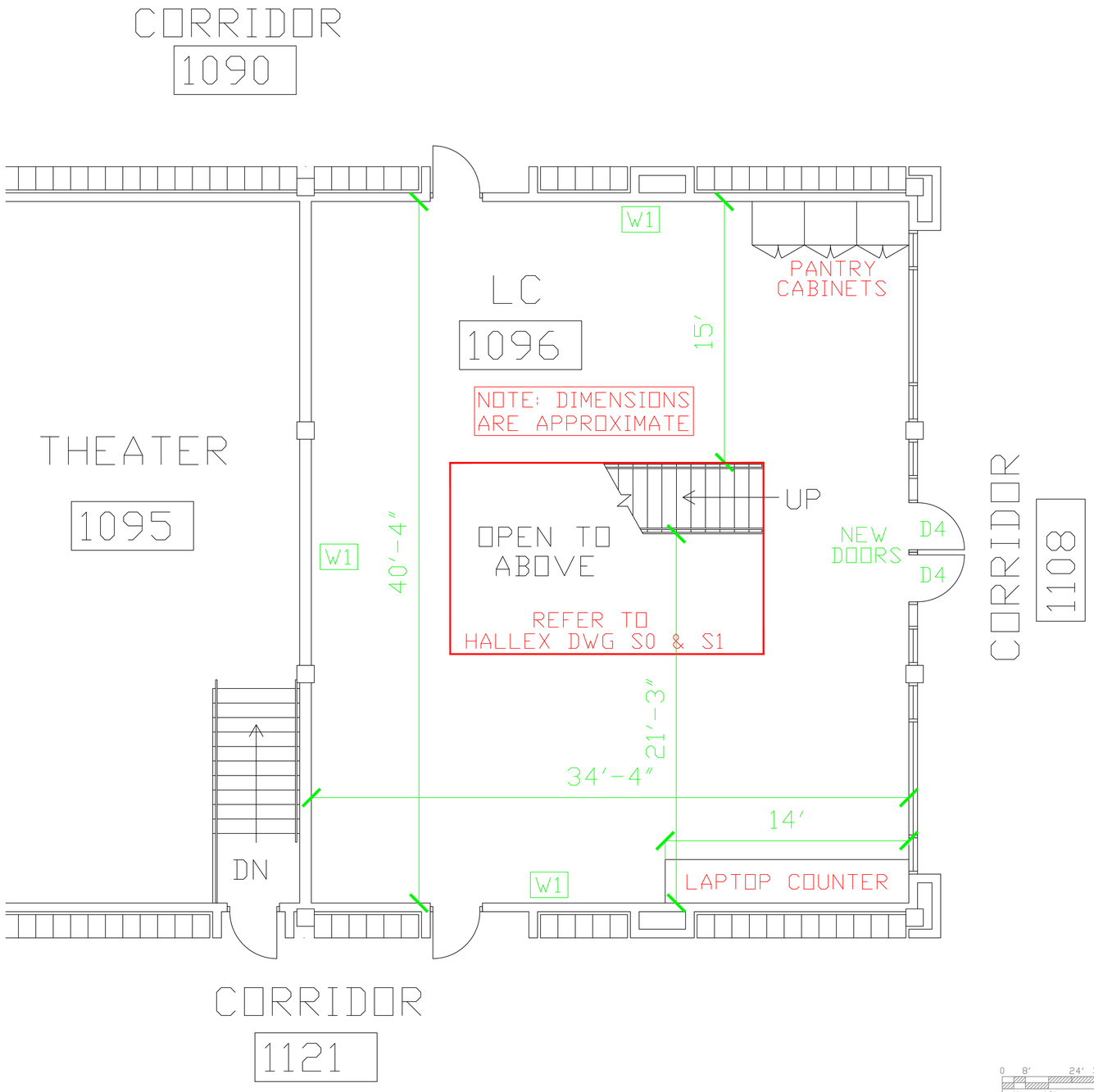
70 Parkview Road, Hagersville



AREA OF WORK

GRAND ERIE
DISTRICT SCHOOL BOARD

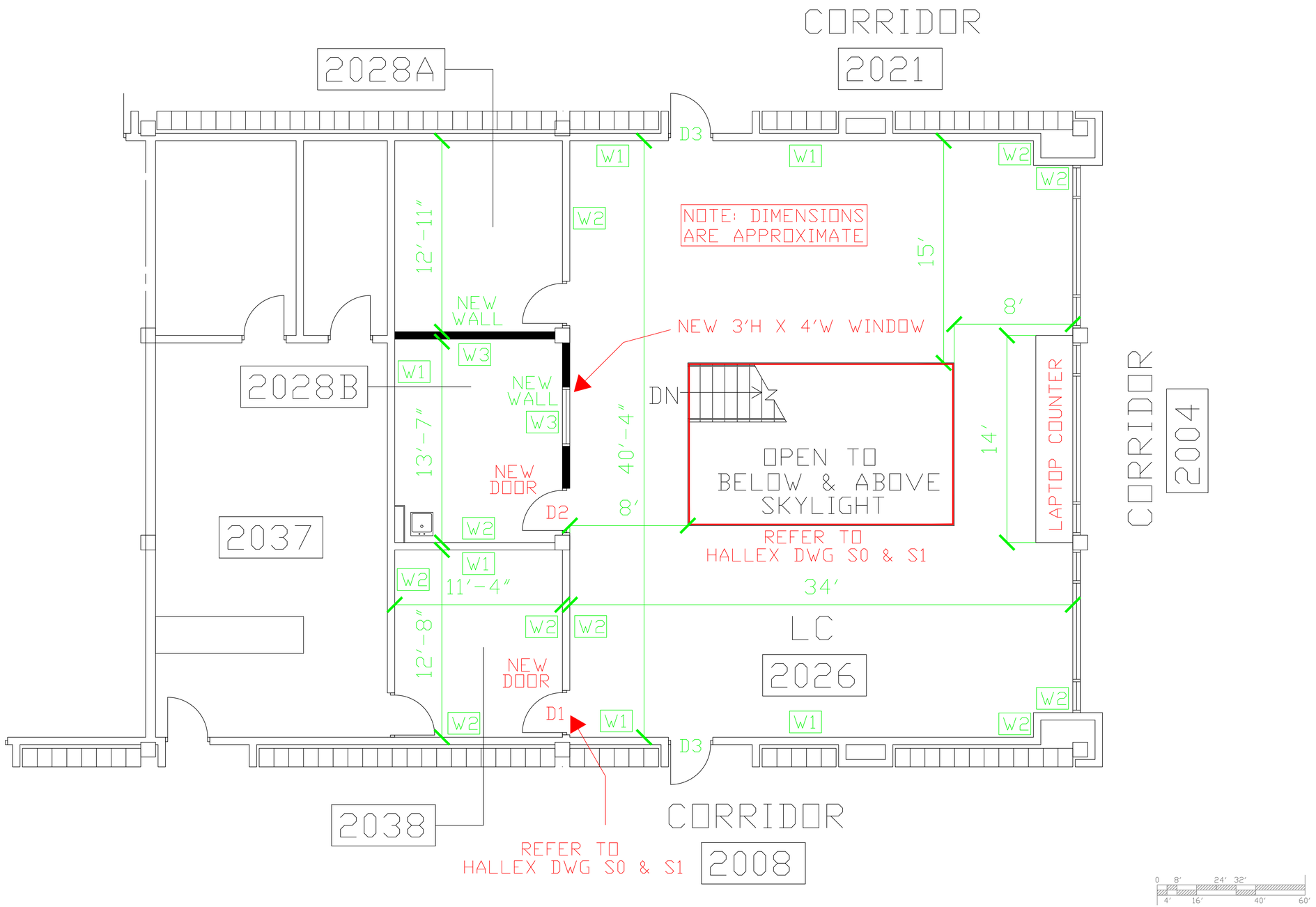
HAGERSVILLE SECONDARY
1ST FLOOR
70 Parkview Road, Hagersville



GRAND ERIE
DISTRICT SCHOOL BOARD

HAGERSVILLE SECONDARY
1ST FLOOR LEARNING COMMONS

70 Parkview Road, Hagersville



GRAND ERIE DISTRICT SCHOOL BOARD

HAGERSVILLE SECONDARY
2ND FLOOR LEARNING COMMONS

70 Parkview Road, Hagersville

GENERAL NOTES:

1. *READ ALL STRUCTURAL/CIVIL DRAWINGS IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS, INCLUDING REFERENCED ELECTRICAL, MECHANICAL, VENDOR DRAWINGS, AND SPECIFICATIONS*
2. *THE CONTRACTOR FOR ANY PORTION OF WORK SHALL VISIT THE SITE AND SHALL BE THOROUGHLY FAMILIAR WITH ALL THE PHYSICAL FEATURES THAT MAY AFFECT THE WORK IN ANY WAY.*
3. *FIELD MEASURE AND MAKE ADJUSTMENTS TO SUIT EXISTING CONDITIONS.*
4. *THE CONTRACTOR SHALL KEEP WORK SITES CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS DURING THE PROCESS OF CONSTRUCTION AND LEAVE THE SITE CLEAN UPON COMPLETION OF WORK OR PORTIONS OF THE WORK.*
5. *CONSULTANT MUST APPROVE ALL DEVIATIONS FROM THE WORKING DRAWINGS. THE CONTRACTOR MUST KEEP AN ACCURATE RECORD OF ALL CHANGES FROM THE ORIGINAL INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS.*
6. *FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.*
7. *ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING:*
   OCCUPATIONAL HEALTH AND SAFETY ACT
   ONTARIO REGULATION 213/91 - CONSTRUCTION PROJECTS
   THE ONTARIO BUILDING CODE AND THE NATIONAL BUILDING CODE
8. *IF DISCREPANCIES EXIST BETWEEN THESE DWGS. AND THE SPECIFICATIONS, CONTACT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING.*
9. *DO NOT SCALE THESE DRAWINGS.*

GENERAL MATERIALS:

1. *DELIVER MATERIALS TO JOB SITE IN DRY CONDITION. KEEP MATERIALS DRY AND CLEAN UNTIL USE.*
2. *BACKFILL WITH GRANULAR A UNLESS OTHERWISE NOTED ON THE DRAWINGS, COMPACT IN ONE FOOT LIFTS TO A MINIMUM 95% S.P.D.D. TO SIX INCHES BELOW TOP OF CONCRETE.*
3. *ALL CEMENT TO BE PORTLAND BLAST FURNACE SLAG CEMENT TO CAN-A326 BLENDED HYDRAULIC CEMENTS CONSISTING OF 75% NORMAL TYPE 10 PORTLAND CEMENT AND 25% CEMENTITIOUS HYDRAULIC SLAG.*
4. *ALL REINFORCING STEEL TO BE GRADE 400 DEFORMED BARS TO CAN/CSA G30.18.*
5. *ALL BASE GROUT TO BE "MEADOWS V1" BY W.R. MEADOWS OR APPROVED EQUAL.*
6. *EPOXY GROUT FOR DOWELS TO BE ANCHORFIX 2CA BY SIKA CANADA OR APPROVED EQUAL.*
7. *DISPOSAL OF ALL EXCAVATED MATERIAL SHALL BE OFF-SITE OTHER THAN APPROVED BACKFILL*

ABBREVIATIONS:

A.B.	---	ANCHOR BOLT	L.L.H.	---	LONG LEG HORIZONTAL
A.F.F.	---	ABOVE FINISHED FLOOR	L.L.V.	---	LONG LEG VERTICAL
ALT.	---	ALTERNATE	L.S.H.	---	LONG SIDE HORIZONTAL
ARCH.	---	ARCHITECTURAL	L.S.V.	---	LONG SIDE VERTICAL
B.C.E.	---	BOTTOM CHORD EXTENSION	MANUF.	-	MANUFACTURER
B.F.F.	---	BELOW FINISHED FLOOR	MAX.	---	MAXIMUM
B.L.L.	---	BOTTOM LOWER LAYER	MECH.	---	MECHANICAL
BOT.	---	BOTTOM	MIN.	---	MINIMUM
B.U.L.	---	BOTTOM UPPER LAYER	MIR.	---	MIRROR
C.A.	---	COLUMN ABOVE	N.I.C.	---	NOT IN CONTRACT
C.B.	---	COLUMN BELOW	N.L.B.	---	NON-LOAD BEARING
CANT.	---	CANTILEVER	N.S.	---	NEAR SIDE
C.I.P.	---	CAST IN PLACE	N.T.S.	---	NOT TO SCALE
CONC.	---	CONCRETE	O/C	---	ON CENTER
CONT.	---	CONTINUOUS	OPP.	---	OPPOSITE
C.P.	---	COMPLETE PENETRATION	O.W.S.J.	-	OPEN WEB STEEL JOIST
c/c	---	CENTER TO CENTER	PL.	---	PLATE
C.L.	---	CENTER LINE	P.L.	---	POINT LOAD
CRS.	---	COURSE	P.L.A.	---	POINT LOAD ABOVE
c/w	---	COMPLETE WITH	P.T.	---	PRESSURE TREATED
DET.	---	DETAIL	R.D.	---	ROOF DRAIN
D.L.	---	DEAD LOAD	R/W	---	REINFORCED WITH
do	---	DO OVER (DITTO)	S.C.	---	SAW CUT CONTROL JOINT
DP.	---	DEEP (DEPTH OF MEMBER)	S.D.L.	---	SUPERIMPOSED DEAD LOAD
DWG.	---	DRAWING	S.D.F.	---	STEP DOWN FOOTING
DWLS.	---	DOWELS	SECT.	---	SECTION
EA.	---	EACH	SIM.	---	SIMILAR
E.E.	---	EACH END	S.J.	---	SNOW LOAD
E.F.	---	EACH FACE	S.O.G.	---	SLAB ON GRADE
EL.	---	ELEVATION	SPEC.	---	SPECIFICATIONS
ELEV.	---	ELEVATION	STAG.	---	STAGGERED
ELEC.	---	ELECTRICAL	STIR.	---	STIRRUPS
EMBED.	--	EMBEDMENT	SYM.	---	SYMMETRICAL
E.S.	---	EACH SIDE	THK.	---	THICK
E.W.	---	EACH WAY	THRU	---	THROUGH
EX.	---	EXISTING	T.L.L.	---	TOP LOWER LAYER
EXIST.	---	EXISTING	TYP.	---	TYPICAL
EXT.	---	EXTERIOR	T&B	---	TOP & BOTTOM
EXP. JT.	--	EXPANSION JOINT	T&G	---	TONGUE & GROOVE
F.D.	---	FLOOR DRAIN	T.J.	---	TIE JOISTS
F.S.	---	FAR SIDE	T/O	---	TOP OF
FTG.	---	FOOTING	T.O.S.	---	TOP OF STEEL
GALV.	---	GALVANIZED	T.U.L.	---	TOP UPPER LAYER
G.L.	---	GRID LINE	U.N.O.	---	UNLESS NOTED OTHERWISE
GRAN.	---	GRANULAR	ULS	---	ULTIMATE LIMIT STATE
HK.	---	HOOK	SLS	---	SERVICEABILITY LIMIT STATE
H&V	---	HORIZONTAL & VERTICAL	U/S	---	UNDERSIDE
HORZ.	---	HORIZONTAL	VERT.	----	VERTICAL
I.J.	---	ISOLATION JOINT	W.P.	----	WORK POINT
INT.	---	INTERIOR			
JT.	---	JOINT			
LG.	---	LONG			
L.B.	---	LOAD BEARING			
L.L.	---	LIVE LOAD			

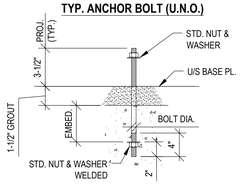
CONCRETE FORMWORK:

1. *THE DESIGN AND FIELD REVIEW OF FORMWORK, SHORING AND RE-SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR. RE-SHORING DRAWINGS SHALL BE SUBMITTED TO HALLEX ENGINEERING LTD. FOR THE EFFECT ON THE BASE BUILDING STRUCTURE ONLY.*
2. *NO COLUMN OR WALL FORMS SHALL BE REMOVED BEFORE CONCRETE HAS REACHED 10 MPa FOR ARCHITECTURAL CONCRETE OR 8 MPa FOR OTHER COLUMNS OR WALLS.*
3. *NO SLAB FORMS OR BEAM FORMS SHALL BE REMOVED BEFORE CONCRETE HAS REACHED 75% OF THE 28 DAY STRENGTH BEFORE STRIPPING/RE-SHORING.*
4. *ALL SLABS, BEAMS, GIRDERS ETC. TO BE SHORED UNTIL CONCRETE REACHED DESIGN STRENGTH.*
5. *NO CONCRETE MAY BE REMOVED WITH PERCUSSIVE METHODS SUCH AS CHIPPING JACK-HAMMERING WITHOUT PRIOR APPROVAL OF HALLEX ENGINEERING LTD.*

STRUCTURAL STEEL:

1. *ALL WORK SHALL CONFORM TO CSA STANDARD S16 (LATEST EDITION) "LIMIT STATES DESIGN OF STEEL STRUCTURES". CONTRACTOR TO FABRICATE TO APPROVED SHOP DWGS. ONLY.*
2. *STEEL SHALL CONFORM TO CSA STANDARD G40.20 "GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL" AND TO CSA STANDARD G40.21 "STRUCTURAL QUALITY STEELS" TO THE FOLLOWING GRADES:*
   HSS AND FLANGE SECTIONS - 350W (50 ksi)
   ALL OTHER HOT ROLLED SHAPES - 300W (44W)
   PLATES NOT GREATER THAN 1 1/2" THICKNESS - 300W (44W)
3. *STRUCTURAL BOLTS TO BE ASTM.F3125/F3125M LATEST EDITION. HEAT TREATED 120/105 KSI MIN. TENSILE STRENGTH. COMPLETE WITH HARDENED WASHERS AND HEAVY HEX NUTS.*
4. *ALL ANCHOR RODS TO ASTM-F1554 GRADE 50. ALL EXTERIOR ANCHOR RODS TO BE HOT-DIP GALVANIZED.*

TYP. ANCHOR BOLT (U.N.O.)



5. *ALL WELDING TO BE DONE BY A CONTRACTOR CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA-W47.1-03 CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES. DIVISION 1 OR 2. CONTRACTOR TO SUBMIT CURRENT CWB LETTER OF VALIDATION TO ENGINEER PRIOR TO PROCEEDING WITH ANY STEELWORK.*
6. *ALL ELECTRODES SHALL BE E70XX CONFORMING TO CSA STANDARD W48.*
7. *ALL WELDING TO BE METAL-ARC TO CSA-W59-18 - WELDED STEEL CONSTRUCTION. (METAL-ARC WELDING). ALL WELDS SHALL BE CONTINUOUS UNLESS NOTED. MINIMUM SIZE OF FILLET WELD TO BE 3/16" (5mm) OR AS REQ'D BY MATERIAL THICKNESS OR PARTS JOINED.*
8. *CLEAN, PRIME AND FINISH PAINT ALL NEW STEEL WORK AS PER THE FOLLOWING:*
   - *8.1. SHOP CLEAN ALL STEEL ACCORDING TO STEEL STRUCTURAL PAINTING COUNCIL SURFACE PREPARATION No. 6, "COMMERCIAL BLAST CLEANING", OR PREPARATION No.3 "POWER WIRE BRUSH CLEANING"*
   - *8.2. SAME DAY AS CLEANED, APPLY ONE SHOP COAT OF DEVGUARD #4160 GREY OXIDE RUST INHIBITIVE PRIMER TO A DRY FILM THICKNESS OF 2.0 TO 2.4 MILS.*
   - *8.3 FOR EXPOSED STEEL IN THE SHOP, APPLY TWO FINISH COATS OF DEVGUARD ALKYD SEMI-GLOSS ENAMEL #4306 SERIES, 1.5 TO 2 MILS DRY FILM THICKNESS, COLOURS BY OWNER.*
   - *8.4 AFTER ERECTION, CLEAN ALL SURFACES. TOUCH-UP ANY DAMAGED OR UNPAINTED AREAS WITH PRIMER AND TWO FINISH COATS.*
9. *DO NOT PAINT CONNECTION SURFACES OR SURFACES TO BE WELDED.*
10. *SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL.*
    - *10.1 ALL SHOP DRAWINGS SHALL BEAR A SEAL OF A REGISTERED PROFESSIONAL ENGINEER FROM THE PROVINCE OF ONTARIO.*
    - *10.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS.*
    - *10.3 UNLESS OTHERWISE DETAILED OR SPECIFIED, BEAM CONNECTIONS SHALL BE DESIGNED TO RESIST THE FULL BENDING CAPACITY OF THE MEMBER IN ITS FULLY BRACED CONDITION FOR THE APPROPRIATE SPAN AS LISTED IN THE CISC HANDBOOK BEAM LOAD TABLES.*
    - *10.4 CONNECTIONS SHALL CONFORM TO THE DETAILS IN THE CISC HANDBOOK.*
    - *10.5 NON-STANDARD CONNECTIONS AND CONNECTIONS TO EXISTING STRUCTURAL MEMBERS SHALL BE DESIGNED AND BEAR THE SEAL OF A PROFESSIONAL ENGINEER.*
    - *10.6 BEAM END CONNECTION DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO SERVE AS A GUIDE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL FINAL DIMENSIONS.*
11. *BEAM END CONNECTION DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO SERVE AS A GUIDE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL FINAL DIMENSIONS.*
12. *WHEN NON-AIRTIGHT HSS SECTIONS ARE EXPOSED TO THE WEATHER OR TO TEMPERATURE CHANGES THAT CAN CAUSE INTERIOR CONDENSATION, THE STEEL CONTRACTOR SHALL ENSURE ALL HSS SECTIONS HAVE TWO WEEP HOLES AT THE BASE OF COLUMN ABOVE THE BASEPLATE. THE WEEP HOLES SHALL BE LOCATED IN THE CENTER OF THE HSS FACE (ON OPPOSITE SIDES). FOR HSS SIZES 3" DIAMETER (OR SQUARE) AND LESS, PROVIDE 5/16" DIAMETER HOLE. FOR ALL OTHER SIZES PROVIDE 5/8" DIAMETER HOLE. VENT/WEEP HOLE SIZE AND LOCATION FOR HOT-DIP GALVANIZING SHALL BE AS PER MANUFACTURER AND SHOULD BE COORDINATED WITH THE STEEL FABRICATOR. TOP VENT HOLES TO BE PLUGGED UPON COMPLETION OF HOT-DIP GALVANIZING U.N.O.*
13. *ALL EXTERIOR STEEL THAT IS EXPOSED TO WEATHER INCLUDING HANDRAILS AND GUARDS SHALL BE HOT-DIP GALVANIZED. THE CONTRACTOR SHALL ENSURE THE STEEL IS GALVANIZED TO EXPOSED STEEL FINISH STANDARDS (UNIFORM VISUAL APPEARANCE, FREE OF IMPERFECTIONS).*
14. *BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS PER VERTICAL LINE IN EACH CONNECTED PIECE AND BE DESIGNED AS BEARING CONNECTIONS U.N.O.*
15. *U.N.O. COLUMN CAP PLATES SHALL BE 1/4" THICK AND COLUMN BASE PLATES SHALL BE 1/2" MINIMUM THICK.*
16. *DESIGN DRAWINGS INCLUDE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. SEE ALSO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILS. WHERE ELEVATIONS, ROOF SLOPES, ETC. ARE SHOWN ON THE STRUCTURAL DRAWINGS, THEY MUST BE CONFIRMED WITH THE ARCHITECTURAL DRAWINGS.*
17. *MISCELLANEOUS MATERIALS AND ACCESSORIES ASSOCIATED WITH GOOD PRACTICE THAT ARE NOT SHOWN SHALL BE PROVIDED.*
18. *U.N.O. DO NOT OVERSIZE HOLES IN STEEL TO FIT ANY ANCHOR LOCATIONS, FOR COLUMN BASE PLATE HOLES, UNLESS NOTED OTHERWISE ON DRAWINGS, SEE TABLE BELOW.*

HOLE SIZES FOR ANCHOR BOLTS	
BOLT SIZE (in.)	**HOLE SIZE (in.)**
3/4" UP TO INCLUDING 1"	*DIAMETER + 5/16"*
OVER 1" UP TO INCLUDING 2"	*DIAMETER + 1/2"*
OVER 2"	*DIAMETER + 1"*

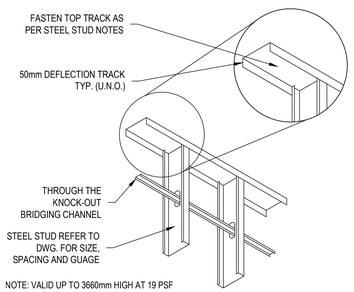
19. *PROVIDE MINIMUM L2x2x5/16" TRIMMER ANGLE (U.N.O. ON DRAWING) FOR STEEL DECK SUPPORT TYPICAL AROUND PERIMETER OF BUILDING, WELDED TO OWSJ AND/OR STEEL BEAM.*
20. *THE CONTRACTOR WILL EMPLOY A QUALIFIED PERSON TO INSPECT THE CONNECTIONS, INCLUDING BOLT TENSION AND WELDING, IN ACCORDANCE WITH CSA S16:19 SECTIONS 23 AND 30.*

STEEL STUDS:

1. *STUD DESIGN IS BASED ON CANADIAN SHEET STEEL BUILDING INSTITUTE LIGHT WEIGHT STEEL FRAMING WALL STUD & FLOOR JOIST LOAD TABLES CSSBI 58-2004, AND WITH CAN - S136-01.*
2. *ALL METAL STUDS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF CSA STANDARD CAN3-S136.*
3. *ALL METAL STUDS SHALL BE TO ASTM 446 STANDARD SPECIFICATIONS FOR SHEET STEEL, ZINC COATED (GALVANIZED) BY THE HOT-DIP PROCESS, STRUCTURAL QUALITY.*
4. *ALL STUD SCREWS SHALL BE ZINC COATED AND GALVANIZED BY HILTI OR BAILEY. BLACK SCREWS ARE NOT ACCEPTABLE.*
5. *PARTITIONS AND NON LOAD BEARING WALLS TO HAVE A 2 7/8" LONG LEG SLOTTED TOP TRACK TO PREVENT TRANSFER OF LOAD FROM ABOVE.*
6. *CONTRACTOR SHALL SUPPLY TO THE ENGINEER SHOP DRAWINGS SHOWING ALL LOAD-BEARING WALL AND FLOOR SYSTEMS COMPLETE WITH CONNECTION DETAILS OF BRIDGING, HEADERS, BRACING AND LATERAL SUPPORTS.*
7. *CONTRACTOR MAY CONSULT THE LIGHTWEIGHT STEEL FRAMING MANUAL PRODUCED BY THE CANADIAN SHEET STEEL BUILDING INSTITUTE (CSSBI) FOR STANDARD CONNECTION DETAILS.*
8. *DESIGN WIND PRESSURE FOR THE FOLLOWING WIND LOADING LEVELS:*
   - *a) GROUND FLOOR TO ROOF = 25 PSF (1.2 kPa) UNFACTORED FOR STRENGTH AND DEFLECTION.*
8. *FASTEN ALL LIGHT GAUGE METAL TRACKS TO CONCRETE WITH HILTI METAL HIT ANCHORS 1/4" Ø x 1 1/4" LONG @ 16" O.C. STAGGERED.*
9. *FASTEN ALL LIGHT GAUGE METAL TRACKS TO STRUCTURAL STEEL WITH THE FOLLOWING HILTI PINS:*
   - *i) FOR BASE STEEL THICKNESSES BETWEEN 1/8" AND 5/16" USE HILTI ENP2K-20-L15 DRIVE PINS 3.7mm Ø AND 15mm Ø DOUBLE WASHER ATTACHED WITH MODEL DX750 FASTENING TOOL, 2 SPACED AT 12" MINIMUM SPACING AND 3/8" MIN EDGE DISTANCE.*
   - *ii) FOR BASE STEEL THICKNESSES ABOVE 1/4" USE HILTI ENP2-21-L15 DRIVE PINS 4.5mm Ø AND 15mm Ø DOUBLE WASHER ATTACHED WITH A MODEL DX750 FASTENING TOOL, 2 SPACED AT 12" MINIMUM SPACING AND 3/8" MIN EDGE DISTANCE.*
10. *ALL SCREWS ARE No. 8-16 BUILDEX 'TEKS' SELF TAPPING SELF DRILLING D=0.135" ROOT DIAMETER OF THREADED PORTION (MINIMUM) U.N.O.*
11. *ALL STUDS AND ACCESSORIES SHALL HAVE A MINIMUM COATING OF Z275 IN ACCORDANCE WITH ASTM A525M-87.*
12. *ALL STUDS ARE MINIMUM 18 GAUGE @ 16" C/C U.N.O.*
13. *ALL TRACKS ARE 18 GAUGE UNLESS NOTED OTHERWISE.*
14. *STEEL STUD CONTRACTOR IS TO CALL 'HALLEX ENGINEERING LTD.' FOR INSPECTION OF STEEL STUD FRAMING PRIOR TO ANY INSULATING DRYWALLING OR CLADDING ACTIVITIES.*
15. *STEEL STUDS ARE DESIGNED FOR A MAXIMUM DEFLECTION OF l/720 UNDER WIND LOAD OF 25 PSF UNLESS NOTED OTHERWISE*
16. *STEEL STUD WALLS AND EXTERIOR WALL SHEATHING ARE NOT DESIGNED TO SUPPLY LATERAL STABILITY TO THE BUILDING.*
17. *PROVIDE BRIDGING FOR LOAD-BEARING WALLS AT 4'-0" MAXIMUM VERTICAL SPACING USING STANDARD BRIDGING CHANNELS (1" X 1-1/2" X 0.0566"). ATTACH CHANNELS TO STUDS WITH STANDARD ANGLE CLIPS (1-1/2" X 1-1/2" X 3-1/2" LONG). SECURE EACH END OF BRIDGING TO STEEL COLUMNS OR MASONRY WALLS.*
18. *ENSURE CUT OUTS ARE 12" MINIMUM AWAY FROM CONNECTIONS TOP AND BOTTOM OF STUD SPAN.*
19. *SCREW BUILT-UP STUD SECTIONS TOGETHER WITH #8-16 SCREWS WITH A VERTICAL SPACING OF 12" O.C. U.N.O.*
20. *DO NOT ATTACH LOOSE LINTELS TO STEEL STUDS.*
21. *PROVIDE BRIDGING FOR LOAD-BEARING WALLS AT 4'-0" MAXIMUM VERTICAL SPACING USING STANDARD BRIDGING CHANNELS (1" X 1-1/2" X 0.0566"). ATTACH CHANNELS TO STUDS WITH STANDARD ANGLE CLIPS (1-1/2" X 1-1/2" X 3-1/2" LONG).*

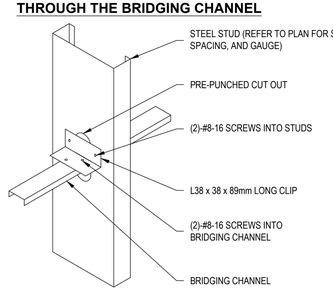
HILTI POWDER ACTUATED FASTENERS:

1. *ENSURE PROPER FASTENING TOOL IS USED TO ACHIEVE MINIMUM PENETRATION*
2. *MIN. CONC. STRENGTH ASSUMED = 20 MPa.*

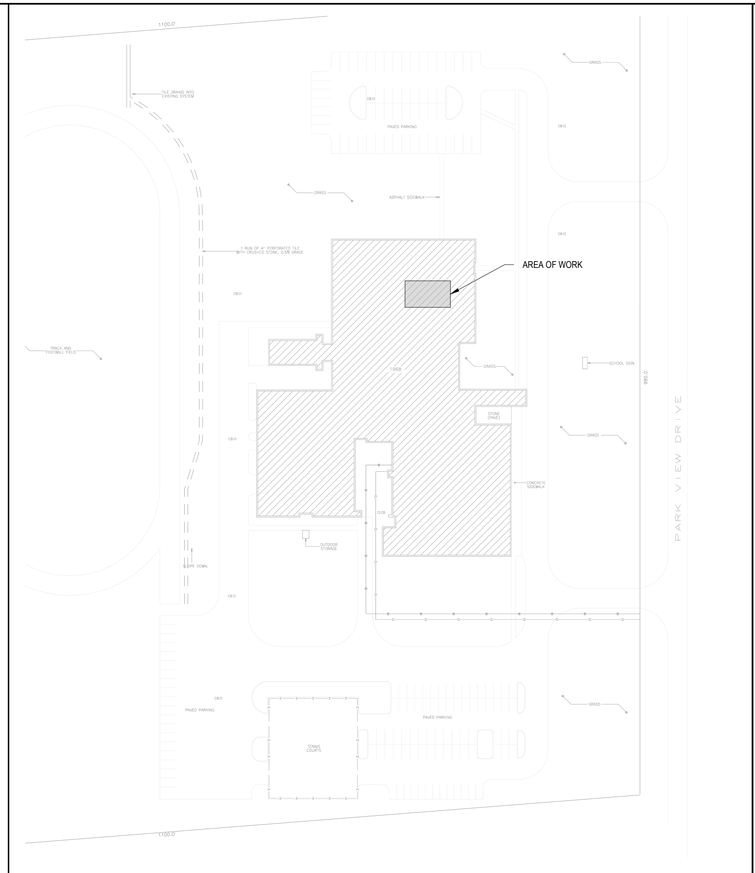


NOTE: VALID UP TO 3660mm HIGH AT 19 PSF

TYP. LONG LEG DEFLECTION TRACK THROUGH THE BRIDGING CHANNEL

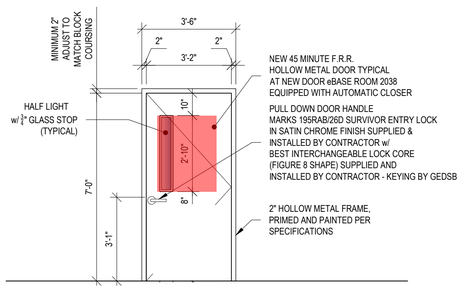


TYP. KNOCK-OUT BRIDGING CHANNEL



KEY PLAN

SCALE: N.T.S.



TYPICAL NEW HOLLOW METAL DOOR (QTY = 1)

DOOR SCHEDULE

MARK	ROOM	SIZE	FRR RATING	DOOR		FRAME		VIEWER	HANDLE	SELF CLOSER	HINGES	DOOR STOP
				MATERIAL	FINISH	MATERIAL	FINISH					
D1	HEAD OF ENGLISH - 2038	NEW 3'-2" x 7'-0"	**45 MINUTE**	HOLLOW METAL	PAINT	HOLLOW METAL	PAINT	HALF LIGHT , 2'-0" WIDE x 2'-10" HIGH w/ 6mm TEMPERED GLASS	NEW MARKS 195 RAB126D SURVIVOR ENTRY LOCK	INGERSOL RAND LCN 1460 SERIES	STANLEY SECURITY SOLUTIONS CB179 NON REMOVABLE PINS	INGERSOL RAND STANDARD METAL 'S' SERIES FLOOR AND WALL STOPS IN DULL CHROMIUM FINISH

DRAWING LIST:

S0 - GENERAL NOTES , KEY PLAN, DOOR SCHEDULE AND DRAWING LIST
S1 - PARTIAL FIRST AND SECOND FLOOR PLANS AT LIBRARY, SECTIONS AND DETAILS

LICENSED PROFESSIONAL ENGINEER — J. A. HALUCHA — Oct. 9, 2025 — 251003 — PROVINCE OF ONTARIO

HALLEX ENGINEERING LTD.
745 South Service Rd. Unit 301 A, Stoney Creek, ON L8E 5Z2 Tel: 905-561-4816
4999 Victoria Ave., Niagara Falls, ON L2E 4C9 Tel: 905-357-4815 Fax: 905-353-1105

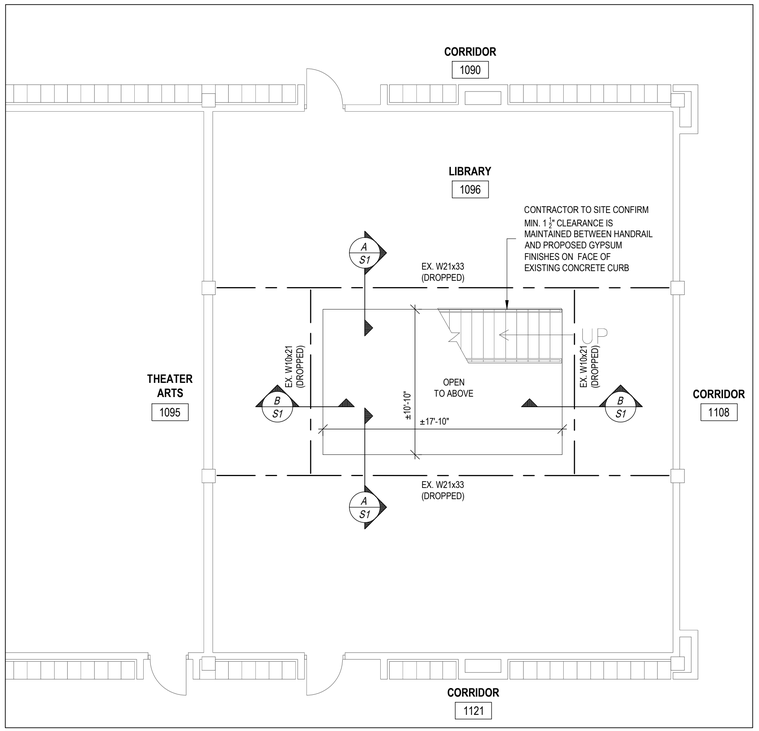
REV.	ISSUED FOR:	YYYY/MM/DD
0	PERMIT	2025/10/09

CLIENT:
GRAND ERIE DISTRICT SCHOOL BOARD
349 ERIE AVENUE
BRANTFORD, ON
N3T 5V3

PROJECT:
LIBRARY RENOVATIONS
HAGERSVILLE SECONDARY SCHOOL
70 PARKVIEW ROAD
HAGERSVILLE, ON
N0A 1H0

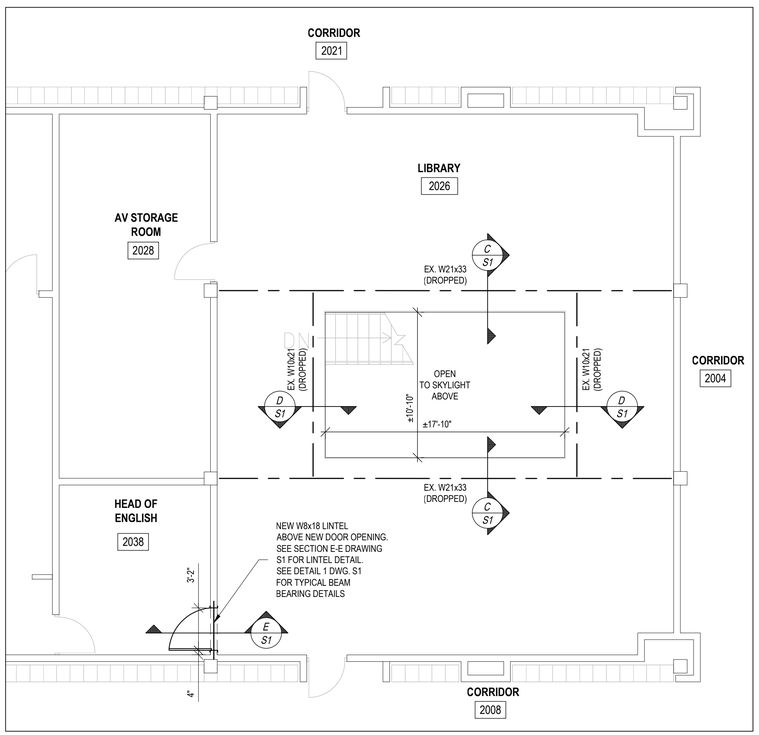
SHEET TITLE:
GENERAL NOTES, KEY PLAN, DOOR SCHEDULE AND DRAWING LIST

JOB NUMBER:	**251003**
DATE:	**OCT. 9, 2025**
DRAWN BY:	**AJ**
DESIGNED BY:	**AJ**
CHECKED BY:	**ML/JH**
SCALE:	**AS SHOWN**
DWG.	**S0**
REV.	**0**



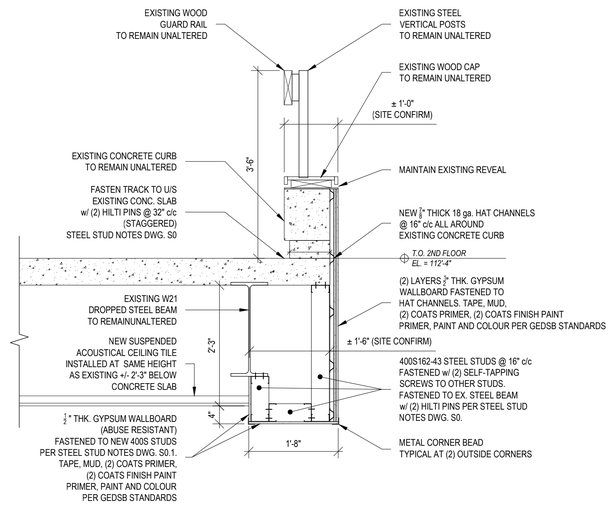
PARTIAL FIRST FLOOR PLAN AT LIBRARY eBASE RM. 1096

SCALE: 1" = 1'-0"



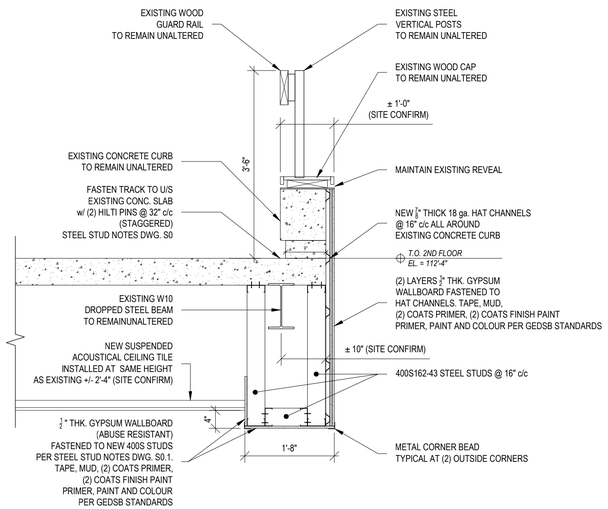
PARTIAL SECOND FLOOR PLAN AT LIBRARY - eBASE RM 2026

SCALE: 3/16" = 1'-0"



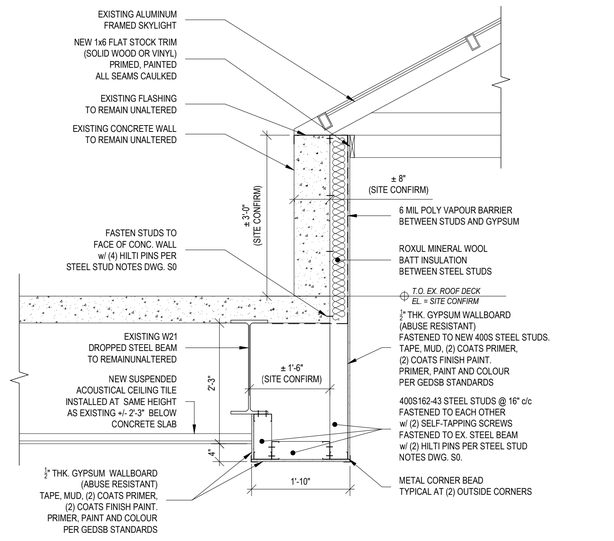
A-A S1 S1 **BUILKHEAD DETAIL 1 AT 2ND FLOOR**

SCALE: 3/4"= 1'-0"



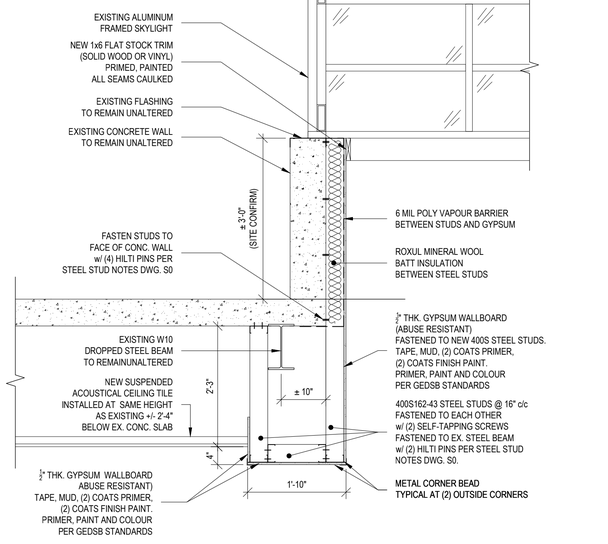
B-B S1 S1 **BUILKHEAD DETAIL 2 AT 2ND FLOOR**

SCALE: 3/4"= 1'-0"



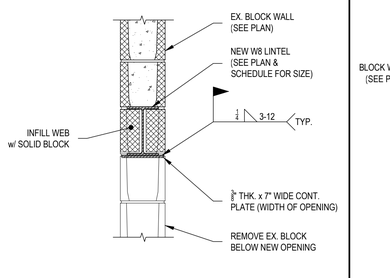
C-C S1 S1 **BUILKHEAD DETAIL 1 AT SKYLIGHT**

SCALE: 3/4"= 1'-0"



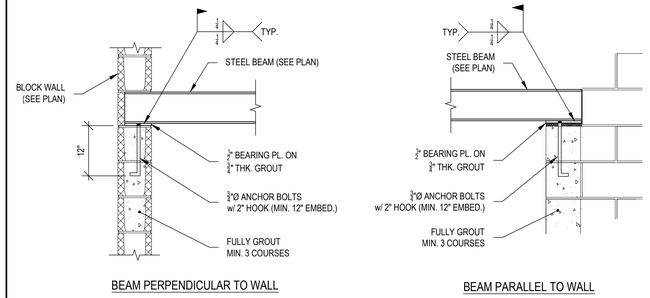
D-D S1 S1 **BUILKHEAD DETAIL 2 AT SKYLIGHT**

SCALE: 3/4"= 1'-0"



E S1 S1 **NEW LINTEL AT H.M. DOOR**

SCALE: 3/4"= 1'-0"



1 S1 S1 **TYPICAL BEAM BEARING ON BLOCK**

SCALE: 3/4"= 1'-0"

DRAWING NOTES:

1. *SITE CONFIRM ALL DIMENSIONS AND CONDITIONS.*
2. *SEE DRAWING S0 FOR GENERAL NOTES.*

LICENSED PROFESSIONAL ENGINEER
J. M. HALUCHA
Oct. 9, 2025
251003
PROVINCE OF ONTARIO

HALLEX ENGINEERING LTD.
745 South Service Rd. Unit 301A, Stoney Creek, ON L8E 5Z2 Tel: 905-561-4816
4999 Victoria Ave., Niagara Falls, ON L2E 4C9 Tel: 905-357-4815 Fax: 905-353-1105

REV.	ISSUED FOR:	YYYY/MM/DD
0	PERMIT	2025/10/09

CLIENT:
GRAND ERIE DISTRICT SCHOOL BOARD
349 ERIE AVENUE
BRANTFORD, ON
N3T 5V3

PROJECT:
LIBRARY RENOVATIONS
HAGERSVILLE SECONDARY SCHOOL
70 PARKVIEW ROAD
HAGERSVILLE, ON
N0A 1H0

SHEET TITLE:
PARTIAL FIRST AND SECOND FLOOR PLANS AT LIBRARY, SECTIONS AND DETAILS

JOB NUMBER:	251003
DATE:	OCT. 9, 2025
DRAWN BY:	AJ
DESIGNED BY:	AJ
CHECKED BY:	ML/JH
SCALE:	AS SHOWN
DWG.	S1
REV.	0